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October-December 1992

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Quarterly Abstract Bulletin

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SAMPLE ENTRY

NTIS Order Number/Media Code Price Codes	**PB90-120072/HSU PC A09/MF A01**
Report Title	Sensitivity of Ecological Landscapes and Regions to Global Climatic Change
Corporate Author	Oregon State Univ., Corvallis
Personal Authors	F. P. Neilson, G. A. King, R. L. DeVelice, J. Lenihan, and D. Marks.
Date	Sep 89
Pages	193p
Report Number	EPA/600/3-89/073
Contract Number	EPA-68-C8-0006 Prepared in cooperation with NSI Technology Services Corp., Corvallis, OR. Sponsored by Corvallis Environmental Research Lab., OR.
Abstract	Increasing awareness of the potential impacts from global climatic change has elicited a storm of research planning among all the major federal agencies. One of the primary difficulties confronted in the planning effort is the need to objectively define clear priorities for research dollars. The report is an attempt to contribute to the process of defining those priorities by scientifically defining specific regions, ecological systems and attributes of those systems that might be particularly sensitive to climatic change. Two approaches to addressing sensitivity have been defined, intrinsic sensitivity and sensitivity relative to a particular stressor. Intrinsic sensitivity is gauged by past variations in different ecosystems. Extrinsic or stressor relative sensitivity addressed the same question, but from the perspective of a particular stress.
Keywords (Descriptors & Identifiers)	*Climatic changes, *Environmental Surveys, *Research projects, Hydrology, Forecasting, Weather, Biological Surveys, Precipitation (Meteorology), Runoff, Natural Resources, Seasonal variations, Biomass, vegetation, Forestry, *Regional Analysis, * Ecosystems, *Global aspects, Federal agencies, Comprehensive planning.

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PB92-147438/REB PCS21.00
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Environmental Protection Agency, Washington, DC. Information Management and Services Div.
1992, 597p* EPA/220/B-92/014, ISBN-0-16-037989-X
Also available from Supt. of Docs. See also PB91-151563.

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Keywords: *Information management, *Public access, *Environmental impacts, *Directories, Libraries, States(United States), US EPA, Indexes(Documentation).

PB92-168509/REB PC **A07**/MF **A02**
Quality Assurance Project Plan for the National Pesticide Survey of Drinking Water Wells.
Environmental Protection Agency, Cincinnati, OH. Technical Support Div.
Feb 92, 137p EPA/810/B-92/001
See also PB92-168640.

The revised document is a record of all the quality assurance/quality control features that were a part of the Survey. Quality Assurance guidance was developed by the Quality Assurance Management Staff who communicated minimum standards for assuring quality to the primary organizations responsible for conducting the Survey.

Keywords: *Quality assurance, *Potable water, *Pesticides, *Water pollution detection, *Water analysis, Surveys, Chemical analysis, Water wells, Quality control, Requirements, Sampling, Revisions, Standards, Ground water, Water quality management, *National Pesticide Survey.

PB92-168517/REB PC **A12**/MF **A03**
Environmental Protection Agency, Cincinnati, OH. Technical Support Div.
Quality Assurance Project Plan for the National Pesticide Survey of Drinking Water Wells: Analytical Method 1 - Nitrogen/Phosphorous Pesticides and Analytical Method 3 - Chlorinated Acid Herbicides.
Montgomery (James M.) Consulting Engineers, Inc., Pasadena, CA. Montgomery Labs.
Feb 92, 253p EPA/810/B-92/002
See also PB92-168509. Sponsored by Environmental Protection Agency, Cincinnati, OH. Technical Support Div.

This is Montgomery Laboratories' Quality Assurance Project Plan for determining nitrogen- and phosphorus-containing pesticides in groundwater by gas chromatography with a nitrogen-phosphorus detector, and for determining chlorinated acids in groundwater by gas chromatography with an electron capture detector. The data collected will be used to determine correlations between pesticide contamination and such factors as patterns of pesticide usage and groundwater vulnerability.

Keywords: *Quality assurance, *Water analysis, *Pesticides, *Water pollution detection, *Potable water, Quality control, Chemical analysis, Gas chromatography, Mass spectroscopy, Herbicides, Phenols, Standards, Water quality management, Acids, Chlorine compounds, Water wells, Ground water, Electron-capture detectors, Sample preparation, *National Pesticide Survey, *NPS method 1, *NPS method 3, Chlorinated acids.

PB92-168525/REB PC **A08**
Environmental Protection Agency, Cincinnati, OH. Technical Support Div.
Quality Assurance Plan for the National Pesticide Survey of Drinking Water Wells: Analytical Method 2 - Chlorinated Pesticides.
Clean Harbors, Inc., Bedford, MA.
Feb 92, 153p EPA/810/B-92/003
See also PB92-168517.Portions of this document are not fully legible. Sponsored by Environmental Protection Agency, Cincinnati, OH. Technical Support Div.

Clean Harbors, Inc. (Clean Harbors) has been contracted by the USEPA Office of Pesticide Programs and Technical Support Division to provide analytical services in support of the National Pesticide Survey (NPS). The NPS has been designed to meet two major objectives: (1) to determine the degree to which the drinking water wells of the nation are contaminated by pesticides; and (2) to better understand how pesticide concentrations in drinking water wells are associated with patterns of pesticide usage and the vulnerability of ground water to pollution. Clean Harbors will analyze 750 samples from community water systems and 750 samples from domestic wells for the presence of chlorinated pesticides using gas chromatography with an electron capture detector by Method 2 (revised Oct. 27, 1987). This Quality Assurance Project Plan (QAPP) has been prepared to ensure sample analysis and reporting in accordance with Method 2 and contractual reports of work.

Keywords: *Water pollution detection, *Potable water, *Quality assurance, *Water analysis, *Pesticides, Water wells, Ground water, Quality control, Chemical analysis, Water quality management, Surveys, Sample preparation, Standards, Gas chromatography, Chlorine compounds, Electron-capture detectors, *National Pesticide Survey, *NPS method 2.

PB92-168541/REB PC **A06**/MF **A02**
Environmental Protection Agency, Cincinnati, OH. Technical Support Div.
Quality Assurance Project Plan for the National Pesticide Survey of Drinking Water Wells: Analytical Method 5 - Methyl Carbamates.
Environmental Science and Engineering, Inc., Gainesville, FL
M. G. Winslow, and D. G. Greer. Feb 92, 110p EPA/810/B-92/005
See also PB92-168525 and PB92-168533. Sponsored by Environmental Protection Agency, Cincinnati, OH. Technical Support Div.

This is Radian Corporation's Quality Assurance Project Plan for determining carbamates in ground water by high performance liquid chromatography with an ultraviolet detector. The analytical results will be used to establish an accurate database.

Keywords: *Quality assurance, *Water analysis, *Potable water, *Water pollution detection, *Pesticides, Water wells, Carbamates, Quality control, Chemical analysis, Sample preparation, Standards, Ground water, Water quality management, Data bases, Chromatographic analysis, Fluorescence, Ultraviolet detectors, *National Pesticide Survey, *NPS method 5, Carbamic acid/(methyl-ester), High performance liquid chromatography.

PB92-168558/REB PC **A07**/MF **A02**
Quality Assurance Project Plan for the National Pesticide Survey of Drinking Water Wells: Analytical Method 6.
Environmental Protection Agency, Cincinnati, OH. Technical Support Div.
Feb 92, 138p EPA/810/B-92/006
See also PB92-168541.Portions of this document are not fully legible.

This is the Office of Pesticide Programs Environmental Chemistry Laboratory's Quality Assurance Project Plan for determining the presence of ethylene thiourea using gas chromatography with nitrogen-phosphorus detectors. The role of this lab is to referee Method 6.

Keywords: *Quality assurance, *Water analysis, *Pesticides, *Water pollution detection, *Potable water, Quality control, Chemical analysis, Standards, Sample preparation, Water quality management, Ground water, Surveys, Water wells, Gas chromatography, Mass spectroscopy, Nitrogen compounds, Imidazolidine thione, *National Pesticide Survey, *NPS method 6.

PB92-168566/REB PC **A06**/MF **A02**
Environmental Protection Agency, Cincinnati, OH. Technical Support Div.
Quality Assurance Project Plan for the National Pesticide Survey of Drinking Water Wells: Analytical Method 7 - Fumigants.
Environmental Science and Engineering, Inc., Gainesville, FL.
Feb 92, 108p EPA/810/B-92/007
See also PB92-168558. Sponsored by Environmental Protection Agency, Cincinnati, OH. Technical Support Div.

This is Environmental Science & Engineering's Quality Assurance Project Plan for analyzing collected water samples for halogenated fumigants using method 7 which involves extraction of the analytes from water, capillary gas chromatographic separation, and electron capture detection and quantitation.

Keywords: *Quality assurance, *Water analysis, *Pesticides, *Water pollution detection, *Potable water, Fumigants, Quality control, Chemical analysis, Standards, Halogen compounds, Extraction, Gas chromatography, Electron-capture detectors, Water quality management, Water wells, Sample preparation, *National Pesticide Survey, *NPS method 7.

PB92-168574/REB PC **A05**/MF **A01**
Environmental Protection Agency, Cincinnati, OH. Technical Support Div.
Quality Assurance Project Plan for the National Pesticide Survey of Drinking Water Wells: Analytical Method 9 - Nitrate and Nitrite.
Montgomery (James M.) Consulting Engineers, Inc., Pasadena, CA. Montgomery Labs.
J. Zalikowski. Feb 92, 86p EPA/810/B-92/008
See also PB92-168566.Portions of this document are not fully legible. Sponsored by Environmental Protection Agency, Cincinnati, OH. Technical Support Div.

This is Montgomery Laboratory's Quality Assurance Project Plan for determining the presence of nitrates by an automated cadmium reduction method which reduces nitrate to nitrite.

Keywords: *Quality assurance, *Pesticides, *Water analysis, *Water pollution control, *Potable water, Chemical analysis, Nitrates, Nitrites, Water wells, Quality control, Sample preparation, Ground water, Water quality management, Reduction(Chemistry), Surveys, Cadmium, *National Pesticide Survey, *NPS method 9.

PB92-168582/REB PC **A11**/MF **A03**
Quality Assurance Project Plan for the National Pesticide Survey of Drinking Water Wells Referee Analyses for Analytical Method 2 - Organochlorine Pesticides, Analytical Method 4 - Carbamates, Method 5 - Methylcarbamates, Method 7 - Fumigants, and Method 9 - Nitrate/Nitrite.
Environmental Protection Agency, Cincinnati, OH. Technical Support Div.
Feb 92, 231p EPA/810/B-92/009
See also PB92-168574.

This is the Office of Drinking Water Technical Support Division Quality Assurance Project Plan for refereeing analyses using NPS methods 2, 4, 5, and 7. Also included in the Risk Reduction Engineering Laboratory's Quality Assurance Project Plan which will referee analyses for Method 9.

Keywords: *Quality assurance, *Water analysis, *Pesticides, *Potable water, *Water pollution detection, Halogen compounds, Carbamates, Chlorine compounds, Chemical analysis, Quality control, Reduction(Chemistry), Standards, Water quality management, Ground water, Water wells, Fumigants, Gas chromatography, Nitrates, Nitrites, Sample preparation, *National Pesticide Survey, *NPS methods, NPS method 2, NPS method 4, NPS method 5, NPS method 7, NPS method 9, Carbamic acid/(methyl-ester), High performance liquid chromatography.

PB92-168590/REB PC **A08**/MF **A02**
Quality Assurance Project Plan for the National Pesticide Survey of Drinking Water Wells: Analytical Method 1.
Environmental Protection Agency, Cincinnati, OH. Technical Support Div.
Feb 92, 175p EPA/810/B-92/010
See also PB92-168582.

This is the Office of Pesticide Programs Environmental Chemistry Laboratory's Quality Assurance Project Plan as the referee for Method 1 with which nitrogen- and phosphorus-containing pesticides in ground water will be determined.

Keywords: *Quality assurance, *Potable water, *Pesticides, *Water pollution detection, *Water analysis, Nitrogen compounds, Water wells, Ground water, Gas chromatography, Phosphorus compounds, Chemical analysis, Water quality management, Quality control, Surveys, Sample preparation, Standards, Mass spectroscopy, *National Pesticide Survey, *NPS method 1.

PB92-168608/REB PC **A09**/MF **A02**
Quality Assurance Project Plan for the National Pesticide Survey of Drinking Water Wells: Analytical Method 3.
Environmental Protection Agency, Cincinnati, OH. Technical Support Div.
Feb 92, 181p EPA/810/B-92/011
See also PB90-168590.Portions of this document are not fully legible.

The National Pesticide Survey (NPS) of drinking water wells is a joint project between the EPA Office of Pesticide Programs (OPP) and Office of Drinking Water (ODW). Expectations for the full Survey are that well-water samples will be analyzed for over 100 pesticides or degradation products from approximately 1500 domestic and community water system wells. Seventeen of these analytes are included in NPS Method 3 with which phenoxy and phenol compounds will be determined.

Keywords: *Quality assurance, *Water analysis, *Pesticides, *Water pollution detection, *Potable water, Chemical analysis, Quality control, Water wells, Surveys, Water quality management, Chlorine compounds, Phenols, Acids, Sample preparation, Standards, Auditing, Gas chromatography, Mass spectroscopy, *National Pesticide Survey, *NPS method 3, Chlorinated acids.

PB92-168616/REB PC **A07**/MF **A02**
Environmental Protection Agency, Cincinnati, OH. Technical Support Div.
Quality Assurance Project Plan for the National Pesticide Survey of Drinking Water Wells: Analytical Method 6 - Ethylene Thiourea.
Battelle, Columbus, OH.
Feb 92, 145p EPA/810/B-92/012
Portions of this document are not fully legible. Sponsored by Environmental Protection Agency, Cincinnati, OH. Technical Support Div.

This is Battelle's Quality Assurance Project Plan to conduct Method 6 in determining ethylene thiourea in ground water using gas chromatography with a nitrogen-phosphorus detector.

Keywords: *Quality assurance, *Water analysis, *Pesticides, *Potable water, *Water pollution detection, Quality control, Chemical analysis, Ground water, Water wells, Sample preparation, Nitrogen compounds, Imidazolidine thione, Standards, Water quality management, Gas chromatography, Mass spectroscopy, *National Pesticide Survey, *NPS method 6.

PB92-168624/REB PC **A08**/MF **A02**
Environmental Protection Agency, Cincinnati, OH. Technical Support Div.
Quality Assurance Project Plan for the National Pesticide Survey of Drinking Water Wells: Hydrogeologic Characterization and Second-Stage Stratification Activities.
ICF, Inc., Fairfax, VA.
B. Rappaport, H. Lester, and C. Miller. Feb 92, 151p EPA/810/B-92/013
See also PB92-168616. Sponsored by Environmental Protection Agency, Cincinnati, OH. Technical Support Div.

The National Pesticide Survey will facilitate evaluation of associations among pesticide concentrations in drinking water wells, patterns of pesticide use, and groundwater vulnerability. This groundwater vulnerability is determined on the basis of the vulnerability score as defined by the DRASTIC system. This is ICF's Quality Assurance Project Plan which addresses the activities related to assigning DRASTIC vulnerability scores at the subcounty level and developing second-stage sampling units based on cropping patterns and vulnerability scores within designated selected counties.

Keywords: *Quality assurance, *Water sampling, *Pesticides, *Potable water, *Water pollution detection, *Hydrogeology, Ground water, Water wells, Concentration(Composition), Sampling, Stratification, Surveys, *National Pesticide Survey, DRASTIC system.

PB92-168632/REB PC **A07**/MF **A02**
Environmental Protection Agency, Cincinnati, OH. Technical Support Div.
Quality Assurance Project Plan for the National Survey of Pesticides in Drinking Water Wells: Well Sampling, Data Collection and Processing.
ICF, Inc., Fairfax, VA.
H. Lester, and B. Rappaport. Feb 92, 129p EPA/810/B-92/014
See also PB92-168624. Sponsored by Environmental Protection Agency, Cincinnati, OH. Technical Support Div.

This is ICF's Quality Assurance Project Plan concerning all the activities connected with the actual sampling of drinking water wells; preparation, pre-preservation, shipment, tracking, personnel training, field sampling, data collection and reporting of results.

Keywords: *Quality assurance, *Water analysis, *Pesticides, *Potable water, *Water pollution detection, Standards, Quality control, Chemical analysis, Sample preparation, Data collection, Data processing, Surveys, Specialized training, Water wells, *National Pesticide Surveys, *NPS methods.

PB92-168640/REB PC **A04**/MF **A01**
Environmental Protection Agency, Cincinnati, OH. Technical Support Div.
Quality Assurance Project Plan for the National Pesticide Survey of Drinking Water Wells: Survey Statistics, Data Collection and Processing.
ICF, Inc., Fairfax, VA.
Feb 92, 65p EPA/810/B-92/015
See also PB92-168632.Portions of this document are not fully legible. Prepared in cooperation with Westat, Inc., Rockville, MD. Sponsored by Environmental Protection Agency, Cincinnati, OH. Technical Support Div.

This is ICF and Westat Corporation's Quality Assurance Project Plan which outlines the Survey statistics, questionnaire data collection and processing procedures for community and domestic drinking water wells. Appendices are included that contain standard operating procedures, copies of relevant questionnaires, and training manuals.

Keywords: *Quality assurance, *Water analysis, *Potable water, *Water pollution detection, *Pesticides, Water wells, Statistical analysis, Data collection, Data processing, Standards, Questionnaires, Specialized training, Chemical analysis, Quality control, Surveys, Ground water, *National Pesticide Survey, *NPS methods.

PB92-169044/REB PC **A05**/MF **A01**
Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.
Guide for Conducting Treatability Studies under CERCLA: Chemical Dehalogenation. Final rept.
IT Corp., Sharonville, OH.
G. McNelly. May 92, 80p EPA/540/R-92/013A
See also PB92-169275 and PB91-228031. Sponsored by Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.

Systematically conducted, well-documented treatability studies are an important component of the remedial investigation/feasibility study (RI/FS) process and the remedial design/remedial action (RD/RA) process under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). The guide, which presents information on treatability studies involving chemical dehalogenation of soils and sludges, is intended to supplement the information in the final generic guide. The guide describes a three-tiered approach for conducting treatability studies, which consists of (1) remedy screening, (2) remedy selection, and (3) remedial design/remedial action. The purpose of remedy-screening studies for chemical dehalogenation technologies is to determine if the technology is chemically feasible for the contaminants/matrix of concern. The guide also presents detailed, technology-specific information on the preparation of a Work Plan and a Sampling and Analysis Plan for chemical dehalogenation treatability studies. Elements discussed include test objectives, experimental design and procedures, equipment and materials, sampling and analysis procedures, quality assurance/quality control procedures, and data analysis and interpretation.

Keywords: *Waste management, *Superfund, *Environmental surveys, *Hazardous materials, Remedial action, Dehalogenation, Soil contamination, Feasibility studies, Sludges, Sediments, Technology utilization, Quality assurance, Quality control, Performance evaluation, *Chemical treatment, *Office of Solid Waste and Emergency Response, Remedial design, Comprehensive Environmental Response Compensation and Liability Act.

PB92-169275/REB PC **A02**/MF **A01**
Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.
Chemical Dehalogenation Treatability Studies under CERCLA: An Overview. Fact sheet.
IT Corp., Sharonville, OH.
G. McNelly. May 92, 10p EPA/540/R-92/013B
See also PB92-169044. Sponsored by Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.

Systematically conducted, well-documented treatability studies are an important component of remedy evaluation and selection under the Superfund program. The fact sheet focuses on chemical dehalogenation treatability studies conducted in support of remedy selection that is conducted prior to the Record of Decision (ROD). The fact sheet presents a standard guide for designing and implementing a chemical dehalogenation treatability study. The manual presents a description of and discusses the applicability and limitations of chemical dehalogenation technologies and defines the prescreening and field measurement data needed to determine if treatability testing is required. It also presents an overview of the process of conducting treatability tests and the applicability of tiered treatability testing for evaluation of chemical dehalogenation technologies. The specific goals of each tier of testing are defined and performance levels are presented that should be met at the remedy screening level before additional tests are conducted at the next tier. The elements of a treatability study work plan are

also defined with detailed discussions on the design and execution of the treatability study.

Keywords: *Waste management, *Environmental surveys, *Hazardous materials, *Superfund, Remedial action, Dehalogenation, Feasibility studies, Soil contamination, Sludges, Sediments, Design criteria, Implementation, Performance evaluation, *Office of Solid Waste and Emergency Response, Chemical treatment, Comprehensive Environmental Response Compensation and Liability Act, Remedial design.

PB92-169382/REB PC **A06**/MF **A02**
Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.
Study to Determine the Feasibility of Using a Ground-Penetrating Radar for More Effective Remediation of Subsurface Contamination.
Foster Wheeler Enviresponse, Inc., Edison, NJ.
D. G. Douglas, A. A. Burns, C. L. Rino, and J. W. Maresca. May 92, 123p EPA/600/R-92/089
Contract EPA-68-C9-0033
Sponsored by Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.

Remediation of hazardous material spills is often costly and entails cumbersome procedures. The traditional method is to drill core samples in the area where the contaminant is thought to be present and then analyze these samples in a laboratory. The denser the sampling grid, the more effective it is; unfortunately, it is also more expensive to implement and more damaging to the environment. A nonintrusive method for detecting subsurface contamination, therefore, would be highly desirable. Toward this end, the capability of ground-penetrating radar (GPR) to identify natural subsurface features, detect man-made objects buried in the soil, and both detect and define the extent of contaminated soil or groundwater was assessed. The study concluded that the technology for the envisioned GPR already exists. In terms of hardware, it was found that a synthetic-pulse radar has the potential to operate effectively in the three types of subsurface environments modeled in the study, environments representative of seven out of ten 'common cases' found at remediation sites.

Keywords: *Remedial action, *Hazardous materials spills, *Subsurface investigations, *Synthetic aperture radar, Feasibility studies, Land pollution, Water pollution, Soil contamination, Ground water, Cost effectiveness, Performance evaluation, Soil surveys, Design criteria, Chemical compounds, Crude oil, *Ground penetrating radar, Cleanup operations.

PB92-169473/REB PC **A06**/MF **A02**
National Radon Measurement Proficiency Program: Individual Proficiency Report.
Office of Radiation Programs, Washington, DC.
May 92, 117p EPA/402/F-92/001
See also PB89-117634. Prepared in cooperation with ICF Kaiser Engineers, Inc., Fairfax, VA.

In February 1986, the U.S. Environmental Protection Agency (EPA) established the Radon Measurement Proficiency (RMP) Program to assist the public in identifying organizations capable of providing reliable radon measurement services. In December 1991, EPA announced the new individual proficiency listing category in the RMP Program. Individuals applying for this new listing status must demonstrate knowledge of radon measurement fundamentals by passing a written proficiency examination, maintain affiliation with an RMP listed organization, and meet other program requirements. This report lists those individuals who have met the requirements of the RMP Program as of April 30, 1992. These requirements are designed to provide minimum proficiency criteria for individuals who provide radon measurement services on-site in a residential environment.

Keywords: *Radon, *Radiation monitoring, *Quality assurance, *Residential buildings, *Indoor air pollution, Houses, Requirements, Services, Contractors, Directories, *National Radon Measurement Proficiency Program.

PB92-169564/REB PC **A06**/MF **A02**
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
Organic Contract Compliance Screening System. Software for the PC (OLM01.8 Version 2) (User Manual).
Viar and Co., Alexandria, VA. Environmental Services Div.
1992, 106p EPA/SW/DK-92/043A
Contract EPA-68-D9-0135
For system on diskette see PB92-502202. Sponsored by Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.

The OCCSS software is a version of a mainframe-based application developed for the EPA's National Contract Laboratory Program (CLP). OCCSS is designed to automate the determination of contractual compliance and completeness of data submitted to EPA under the RAS programs of CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act) and SARA (Superfund Amendments and Reauthorization Act). The manual provides the user with instructions for running OCCSS software on the PC. Descriptions of and instructions for each menu are detailed in the following sections. The user should have a working knowledge of PC DOS prior to utilizing the system.

Keywords: *User manuals(Computer programs), *Pollution regulations, *Organic compounds, *Waste management, Documentation, Land pollution abatement, Compliance, Contracts, Permits, Data storage and retrieval, US EPA, *Organic Contract Compliance Screening System, Comprehensive Environmental Response Compensation and Liability Act, Superfund Amendments and Reauthorization Act, Routine analytical services.

PB92-169614/REB PC **A05**/MF **A01**
Environmental Protection Agency, Research Triangle Park, NC. Air and Energy Engineering Research Lab.
ESP VI 4.0 Electrostatic Precipitator VI and Performance Prediction Model. Final rept. Aug 89-Feb 92.
Research Triangle Inst., Research Triangle Park, NC. Center for Aerosol Technology.
P. A. Lawless. Jun 92, 83p EPA/SW/DK-92/044, , EPA/600/R-92/104A
For system on diskette, see PB92-502251. Sponsored by Environmental Protection Agency, Research Triangle Park, NC. Air and Energy Engineering Research Lab.

The manual is the companion document for the microcomputer program ESPVI 4.0, Electrostatic Precipitation V-I and Performance Model (PB92-502251). The program was developed to provide a user-friendly interface to an advanced model of electrostatic precipitation (ESP) performance. The program is capable of modeling standard ESP configurations as well as those that might be proposed for improved performance. It incorporates many of the latest developments in prediction of ESP performance, including electrical waveform effects, non-rapping reentrainment, and electrode misalignment. The manual provides the documentation needed to load the program from its disk, sets up the computer configuration for optimal operation, and introduces the operation of the program. The user is expected to be familiar with the operation of an ESP and know the important factors that affect it. An example ESP is provided with the program to help with the manual's exposition: it provides a direct comparison of the model's predictions. The program consists of a series of menu screens; the document is similarly organized, with increasing levels of detail provided as the menus become more specific. Finally, a section on the underlying algorithms discusses typical values that might be encountered with the model.

Keywords: *User manuals(Computer programs), *Air pollution control equipment, *Electrostatic precipitators, *Computerized simulation, Performance evaluation, Documentation, Electrodes.

PB92-169630/REB PC **A11**/MF **A03**
Fish Communities in Lakes in Subregion 2B (Upper Peninsula of Michigan) in Relation to Lake Acidity. Volume 1 and Volume 2: Appendices. Data Tape Documentation.
Environmental Protection Agency, Washington, DC.
Oct 90, 239p EPA/DF/DK-92/045
For system on diskette see, PB92-503085. Prepared in cooperation with Kilkelly Environmental Associates, Inc., Raleigh, NC.

The research described in the document represents one component of Phase II of the Eastern Lake Survey (ELS-II), a part of the National Surface Water Survey (NSWS). Surveys of fish community status were conducted in summer 1987 in 49 lakes in ELS Subregion 2B, the Upper Peninsula of Michigan. Subregion 2B was selected because of its (1) high proportion of acidic and low-pH lakes, (20 relative lack of existin data on fish communities in lakes, and (3) diverse geological and hydrological conditions allowing optimal evaluation of the association between lake characteristics and fish community status. A companion study dealing with regional patterns in fish mercury content in Subregion 2B was conducted concurrently; results from the study will be presented in a subsequent report.

Keywords: *Water quality, *Water pollution effects, *Fish physiology, *Lakes, *Michigan, *Acidification, Biological communities, pH, Hydrology, Air water interactions, Bioassay, Water chemistry, Sampling, Environmental surveys, Documentation, *Eastern Lake Survey, Eastern Region(United States), National Surface Water Survey.

PB92-169655/REB PC **A06**/MF **A02**
Statistical Approach to Predicting Chronic Toxicity of Chemicals to Fishes from Acute Toxicity Test Data. Data Tape Documentation.
Environmental Research Lab., Gulf Breeze, FL.
F. L. Mayer, G. F. Krause, M. R. Ellersieck, and G. Lee. Jun 92, 104p EPA/600/R-92/091, EPA/SW/DK-92/047A
For system on diskette, see PB92-503119. Prepared in cooperation with Missouri Agricultural Experiment Station, Columbia.

A comprehensive approach to predicting chronic toxicity from acute toxicity data was developed in which simultaneous consideration is given to concentration, degree of response, and time course of effect. A consistent endpoint (lethality) and degree of response (0%) were used to compare acute and chronic tests. Predicted no-effect concentrations were highly accurate 92% of the time (within a factor of 2.0 of the limits of the maximum acceptable toxicant concentrations for lethality) and did not vary by more than a factor of 4.8 when the technique was applied to a data base of 18 chemicals and 7 fish species. Growth effects can be predicted from chronic lethality, but reproductive effects should not be.

Keywords: *Water pollution effects, *Fishes, *Toxicity, *Chemical compounds, Statistical analysis, Documentation, Exposure, Concentration(Composition), Mortality, Fishkill, Growth stages, Fish physiology, Risk assessment, *Multifactor probit analysis.

PB92-173780/REB PC **A03**/MF **A01**
Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.
Potential Reuse of Petroleum-Contaminated Soil: A Directory of Permitted Recycling Facilities.
Foster Wheeler Enviresponse, Inc., Edison, NJ.
S. Rosenthal, G. Wolf, M. Avery, and J. H. Nash. Jun 92, 49p EPA/600/R-92/096
Contract EPA-68-C9-0033
Prepared in cooperation with Chapman, Inc., Atlantic Highlands, NJ. Sponsored by Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.

Soil contaminated by virgin petroleum products leaking from underground storage tanks is a pervasive problem in the United States. Economically feasible disposal of such soil concerns the responsible party (RP), whether the RP is one individual small business owner, a group of owners, or a large multinational corporation. They may need a starting point in their search for an appropriate solution, such as recycling. The report provides initial assistance in two important areas. First it discusses four potential recycling technologies that manufacture marketable products from recycled petroleum-contaminated soil: the hot mix asphalt process, the cold mix asphalt system, cement production, and brick manufacturing. The report also presents the results of a project survey designed to identify recycling facilities. It lists recycling facilities alphabetically by location within each state, organized by U.S. Environmental Protection Agency (EPA) Region. The report also includes detailed addresses, recycling locations, telephone numbers, and contacts for these facilities. The scope of the project limits listings to fixed facilities

or small mobile facility owners that recycle soil contaminated by virgin petroleum products into marketable commodities. It does not address site-specific or commercial hazardous waste remediation facilities.

Keywords: *Petroleum products, *Land pollution control, *Soil contamination, *Recycling, *Remedial action, Underground storage, Storage tanks, Technology utilization, Listings, Asphalts, Cements, Bricks, Permits, Hot mix paving mixtures.

PB92-182344/REB PC **A24**/MF **A04**
Respiratory Health Effects of Passive Smoking: Lung Cancer and Other Disorders. Draft rept.
Environmental Protection Agency, Washington, DC. Office of Health and Environmental Assessment.
May 92, 559p EPA/600/6-90/006B, OHEA-C-361
Prepared in cooperation with ICF, Inc., Fairfax, VA.

The draft report addresses the weight of evidence on the potential associations between passive smoking or Environmental Tobacco Smoke (ETS) and (1) lung cancer in nonsmoking adults, and (2) noncancer respiratory disorders, primarily in children. With respect to lung cancer, the draft report concludes that (1) ETS is causally associated with lung cancer in nonsmoking adults and is an EPA Group A (known human) carcinogen, and (2) approximately 3,000 lung cancer deaths per year among nonsmokers of both sexes in the United States are attributable to ETS. With respect to noncancer respiratory effects, the report concludes that ETS exposure to children from parental smoking is causally associated with (1) respiratory symptoms of irritation (cough, sputum, and wheeze); (2) middle ear effusion; (3) reduced lung function; (4) lower respiratory tract infections (LRIs), particularly in infants; and (5) additional episodes and increased severity of asthma in asthmatic children. The evidence also suggests that ETS exposure induces asthma in previously asymptomatic children. In addition, passive smoking causes some respiratory discomfort and reduced lung function in adults. The report estimates that ETS exposure contributes 150,000 to 300,000 LRIs annually in children under 18 months, resulting in 7,500 to 15,000 hospitalizations, and 8,000 to 26,000 new cases of asthma in previously asymptomatic children, as well as aggravating symptoms in approximately 20% of asthmatic children.

Keywords: *Pulmonary neoplasms, *Smoking, *Respiratory diseases, Carcinogens, Adults, Children, Respiratory function tests, Family, Epidemiology, Asthma, Otitis media with effusion, Health hazards, *Passive smoking, Environmental tobacco smoke.

PB92-182518/REB PC **E99**
Update Package for RCRA Permit Policy Compendium (Assorted Volumes).
Environmental Protection Agency, Washington, DC. Office of Solid Waste.
Apr 92, 635p EPA/530/R-92/018
See also PB92-111707.

The report is an update package for insertion into the RCRA Permit Policy Compendium ((see PB92-111 707 (complete set) or individual volumes PB92-111 715; 723; 731; 749; 756; 764; 772; 780; 798; 806; and 814.

Keywords: *Hazardous materials, *Licenses, *Government policies, *Pollution control, Waste management, Users guide, Indexes(Documentation), Diskettes, Replacement, Files, Identifying, Documents, Descriptors, Technical assistance, Personnel, Transportation, Waste recycling, *Resource Conservation and Recovery Act(RCRA), Updating, Listings.

PB92-182781/REB PC **E99**/MF **E99**
Application for Certification 1992 Model Year Light-Duty Vehicles.
Environmental Protection Agency, Washington, DC.
1992, 6157p
Set includes PB92-182799 through PB92-182906.

No abstract available.

PB92-182799/REB PC **A03**/MF **A01**
Environmental Protection Agency, Washington, DC.
Application for Certification 1991 Model Year Light-Duty Vehicles - SportsCar America, PUMA Division Inc.
SportsCar America, Inc., Durham, NC. PUMA Div.
1992, 50p EPA/460/A-92/35
See also PB92-186906. Sponsored by Environmental Protection Agency, Washington, DC.
Also available in set of 12 reports PC E99/MF E99, PB92-182781.

Every year, each manufacturer of passenger cars, light-duty trucks, motorcycles, or heavy-duty engines submits to EPA an application for certification. The report deals with light-duty vehicles from Sports Car America, PUMA Division Incorporated. In the a pplication, the manufacturer gives a detailed technical description of the vehicles or engines he intends to market during the upcoming model year. These engineering data include explanations and/or drawings which describe engine/vehicle parameters such as basic engine design, fuel systems, ignition systems and exhaust and evaporative emission control systems. It also provides information on emission test procedures, service accumulation procedures, fuels to be used, and proposed maintenance requirements to be followed during testing. Section 16 of the application contains the results of emission testing, a statement of compliance to the regulations, production engine parameters, and a Summary Sheet Input Form on which issuance of a Certificate of Conformity is based.

Keywords: *Light duty vehicles, *Certification, *Internal combustion engines, *Air pollution abatement, Air pollution control equipment, Fuel systems, Exhaust systems, Exhaust emissions, Standards compliance, Fuels, Operation and maintenance, Design criteria, Performance testing, Fugitive emissions, Automobiles, PUMA Division Incorporated, Exhaust emission control devices, Evaporative emission control devices.

PB92-182807/REB PC **A99**/MF **E11**
Environmental Protection Agency, Washington, DC.
Application for Certification 1992 Model Year Light-Duty Vehicles - BMW of North America, Inc.
BMW of North America, Inc., Montvale, NJ.
1992, 1180p EPA/460/A-92/36
See also PB92-182799 and report for 1991, PB91-242651. Sponsored by Environmental Protection Agency, Washington, DC.
Also available in set of 12 reports PC E99/MF E99, PB92-182781.

Every year, each manufacturer of passenger cars, light-duty trucks, motorcycles, or heavy-duty engines submits to EPA an application for certification. The report deals with light-duty vehicles from BMW of North America, Inc. In the application, the manufacturer gives a detailed technical description of the vehicles or engines he intends to market during the upcoming model year. These engineering data include explanations and/or drawings which describe engine/vehicle parameters such as basic engine design, fuel systems, ignition systems and exhaust and evaporative emission control systems. It also provides information on emission test procedures, service accumulation procedures, fuels to be used, and proposed maintenance requirements to be followed during testing. Section 16 of the application contains the results of emission testing, a statement of compliance to the regulations, production engine parameters, and a Summary Sheet Input Form on which issuance of a Certificate of Conformity is based.

Keywords: *Light duty vehicles, *Certification, *Air pollution abatement, *Internal combustion engines, Air pollution control equipment, Fuel systems, Exhaust systems, Exhaust emissions, Standards compliance, Fuels, Operation and maintenance, Design criteria, Performance testing, Fugitive emissions, Exhaust emission control devices, Evaporative emission control devices, BMW of North America Incorporated.

PB92-182815/REB PC **A14**/MF **A03**
Environmental Protection Agency, Washington, DC.
Application for Certification 1993 Model Year Light-Duty Vehicles - Fiat Auto R and D U.S.A.
Fiat Research and Development, Dearborn, MI. U.S.A. Branch.
1992, 306p EPA/460/A-92/37
See also PB92-182807, PB92-122282 and PB91-242669. Sponsored by Environmental Protection Agency, Washington, DC.
Also available in set of 12 reports PC E99/MF E99, PB92-182781.

Every year, each manufacturer of passenger cars, light-duty trucks, motorcycles, or heavy-duty engines submits to EPA an application for certification. The report deals with light-duty vehicles from Fiat Auto R and D USA. In the application, the manufacturer gives a detailed technical description of the vehicles or engines he intends to market during the upcoming model year. These engineering data include explanations and/or drawings which describe engine/vehicle parameters such as basic engine design, fuel systems, ignition systems and exhaust and evaporative emission control systems. It also provides information on emission test procedures, service accumulation procedures, fuels to be used, and proposed maintenance requirements to be followed during testing. Section 16 of the application contains the results of emission testing, a statement of compliance to the regulations, production engine parameters, and a Summary Sheet Input Form on which issuance of a Certificate of Conformity is based.

Keywords: *Light duty vehicles, *Internal combustion engines, *Air pollution abatement, *Certification, Air pollution control equipment, Fuel systems, Exhaust systems, Exhaust emissions, Standards compliance, Fuels, Operation and maintenance, Design criteria, Performance testing, Fugitive emissions, Automobiles, Exhaust emission control devices, Evaporative emission control devices, Fiat R and D USA.

PB92-182823/REB PC **A07**/MF **A02**
Environmental Protection Agency, Washington, DC.
Application for Certification 1993 Model Year Light-Duty Trucks - Grumman Olson.
Grumman Olson, Inc., Sturgis, MI.
1992, 135p EPA/460/A-92/38
See also PB92-182815. Sponsored by Environmental Protection Agency, Washington, DC.
Also available in set of 12 reports PC E99/MF E99, PB92-182781.

Every year, each manufacturer of passenger cars, light-duty trucks, motorcycles, or heavy-duty engines submits to EPA an application for certification. The report deals with light-duty trucks from Grumman Olson Company. In the application, the manufacturer gives a detailed technical description of the vehicles or engines he intends to market during the upcoming model year. These engineering data include explanations and/or drawings which describe engine/vehicle parameters such as basic engine design, fuel systems, ignition systems and exhaust and evaporative emission control systems. It also provides information on emission test procedures, service accumulation procedures, fuels to be used, and proposed maintenance requirements to be followed during testing. Section 16 of the application contains the results of emission testing, a statement of compliance to the regulations, production engine parameters, and a Summary Sheet Input Form on which issuance of a Certificate of Conformity is based.

Keywords: *Light duty vehicles, *Certification, *Internal combustion engines, *Air pollution abatement, Trucks, Air pollution control equipment, Fuel systems, Exhaust systems, Exhaust emissions, Standards compliance, Fuels, Operation and maintenance, Design criteria, Performance testing, Fugitive emissions, Exhaust emission control devices, Evaporative emission control devices, Grumman Olson Company.

PB92-182831/REB PC **A99**/MF **E08**
Environmental Protection Agency, Washington, DC.
Application for Certification 1992 Model Year Light-Duty Vehicles - Lotus Cars, Ltd.
Lotus Cars Ltd., Norwich (England).
1992, 896p EPA/460/A-92/39
See also PB92-182823. Sponsored by Environmental Protection Agency, Washington, DC.
Also available in set of 12 reports PC E99/MF E99, PB92-182781.

Every year, each manufacturer of passenger cars, light-duty trucks, motorcycles, or heavy-duty engines submits to EPA an application for certification. The report deals with light-duty vehicles from Lotus Cars, LTD. In the application, the manufacturer gives a detailed technical description of the vehicles or engines he intends to market during the upcoming model year. These engineering data include explanations and/or drawings which describe engine/vehicle parameters such as basic engine design, fuel systems, ignition systems and exhaust and evaporative emission control systems. It also provides information on emission test procedures, service accumulation procedures, fuels to be used, and proposed maintenance requirements to be followed during testing. Section 16 of the applica-

tion contains the results of emission testing, a statement of compliance to the regulations, production engine parameters, and a Summary Sheet Input Form on which issuance of a Certificate of Conformity is based.

Keywords: *Light duty vehicles, *Certification, *Internal combustion engines, *Air pollution abatement, Air pollution control equipment, Fuel systems, Exhaust systems, Exhaust emissions, Standards compliance, Fuels, Operation and maintenance, Design criteria, Performance testing, Fugitive emissions, Automobiles, Exhaust emission control devices, Evaporative emission control devices, Lotus Cars LTD.

PB92-182849/REB PC **A25**/MF **A06**
Environmental Protection Agency, Washington, DC.
Application for Certification 1992 Model Year Light-Duty Vehicles - Infiniti, Nissan Motors Co., Ltd.
Nissan Motor Co. Ltd., Atsugi (Japan).
1992, 591p EPA/460/A-92/40
See also PB92-182831. Sponsored by Environmental Protection Agency, Washington, DC.
Also available in set of 12 reports PC E99/MF E99, PB92-182781.

Every year, each manufacturer of passenger cars, light-duty trucks, motorcycles, or heavy-duty engines submits to EPA an application for certification. The report deals with light-duty vehicles from Nissan Motors Company, LTD for the Infiniti. In the application, the manufacturer gives a detailed technical description of the vehicles or engines he intends to market during the upcoming model year. These engineering data include explanations and/or drawings which describe engine/vehicle parameters such as basic engine design, fuel systems, ignition systems and exhaust and evaporative emission control systems. It also provides information on emission test procedures, service accumulation procedures, fuels to be used, and proposed maintenance requirements to be followed during testing. Section 16 of the application contains the results of emission testing, a statement of compliance to the regulations, production engine parameters and a Summary Sheet Input Form on which issuance of a Certificate of Conformity is based.

Keywords: *Light duty vehicles, *Certification, *Internal combustion engines, *Air pollution abatement, Automobiles, Air pollution control equipment, Fuel systems, Exhaust systems, Exhaust emissions, Standards compliance, Fuels, Operation and maintenance, Design criteria, Performance testing, Fugitive emissions, Exhaust emission control devices, Evaporative emission control devices, Nissan Motors Company LTD.

PB92-182856/REB PC **A25**/MF **A06**
Environmental Protection Agency, Washington, DC.
Application for Certification 1992 Model Year Light-Duty Vehicles - Maxima, Nissan Motors Co., Ltd.
Nissan Motor Co. Ltd., Atsugi (Japan).
1992, 585p EPA/460/A-92/41
See also PB92-182849. Sponsored by Environmental Protection Agency, Washington, DC.
Also available in set of 12 reports PC E99/MF E99, PB92-182781.

Every year, each manufacturer of passenger cars, light-duty trucks, motorcycles, or heavy-duty engines submits to EPA an application for certification. The report deals with light-duty vehicles from Nissan Motors Company, LTD, for the Maxima. In the application, the manufacturer gives a detailed technical description of the vehicles or engines he intends to market during the upcoming model year. These engineering data include explanations and/or drawings which describe engine/vehicle parameters such as basic engine design, fuel systems, ignition systems and exhaust and evaporative emission control systems. It also provides information on emission test procedures, service accumulation procedures, fuels to be used, and proposed maintenance requirements to be followed during testing. Section 16 of the application contains the results of emission testing, a statement of compliance to the regulations, production engine parameters and a Summary Sheet Input Form on which issuance of a Certificate of Conformity is based.

Keywords: *Light duty vehicles, *Certification, *Internal combustion engines, *Air pollution abatement, Automobiles , Air pollution control equuipment, Fuel systems, Exhaust systems, Exhaust emissions, Standards compliance, Fuels, Operation and maintenance, Design criteria, Performance testing, Fugitive emissions, Exhaust emission control devices, Evaporative emission control devices, Nissan Motors Company LTD.

PB92-182864/REB PC **A99**/MF **A06**
Environmental Protection Agency, Washington, DC.
Application for Certification 1992 Model Year Light-Duty Vehicles - Stanza, Nissan Motors Co., Ltd.
Nissan Motor Co. Ltd., Atsugi (Japan).
1992, 643p EPA/460/A-92/42
See also PB92-182856. Sponsored by Environmental Protection Agency, Washington, DC.
Also available in set of 12 reports PC E99/MF E99, PB92-182781.

Every year, each manufacturer of passenger cars, light-duty trucks, motorcycles, or heavy-duty engines submits to EPA an application for certification. The report deals with light-duty vehicles from Nissan Motors Company, LTD for the Stanza. In the application, the manufacturer gives a detailed technical description of the vehicles or engines he intends to market during the upcoming model year. These engineering data include explanations and/or drawings which describe engine/vehicle parameters such as basic engine design, fuel systems, ignition systems and exhaust and evaporative emission control systems. It also provides information on emission test procedures, service accumulation procedures, fuels to be used, and proposed maintenance requirements to be followed during testing. Section 16 of the application contains the results of emission testing, a statement of compliance to the regulations, production engine parameters, and a Summary Sheet Input Form on which issuance of a Certificate of Conformity is based.

Keywords: *Light duty vehicles, *Certification, *Internal combustion engines, *Air pollution abatement, Automobiles, Air pollution control equipment, Fuel Systems, Exhaust systems, Exhaust emissions, Standards compliance, Fuels, Operation and maintenance, Design criteria, Performance testing, Fugitive emissions, Exhaust emission control devices, Evaporative emission control devices, Nissan Motors Company LTD.

PB92-182872/REB PC **A17**/MF **A04**
Environmental Protection Agency, Washington, DC.
Application for Certification 1992 Model Year Light-Duty Trucks - Nissan Motors Co., Ltd.
Nissan Motor Co. Ltd., Atsugi (Japan).
1992, 389p EPA/460/A-92/43
See also PB92-182864 and PB91-242735. Sponsored by Environmental Protection Agency, Washington, DC.
Also available in set of 12 reports PC E99/MF E99, PB92-182781.

Every year, each manufacturer of passenger cars, light-duty trucks, motorcycles, or heavy-duty engines submits to EPA an application for certification. The report deals with light-duty trucks from Nissan Motors Company, LTD. In the application, the manufacturer gives a detailed technical description of the vehicles or engines he intends to market during the upcoming model year. These engineering data include explanations and/or drawings which describe engine/vehicle parameters such as basic engine design, fuel systems, ignition systems and exhaust and evaporative emission control systems. It also provides information on emission test procedures, service accumulation procedures, fuels to be used, and proposed maintenance requirements to be followed during testing. Section 16 of the application contains the results of emission testing, a statement of compliance to the regulations, production engine parameters and a Summary Sheet Input Form on which issuance of a Certificate of Conformity is based.

Keywords: *Light duty vehicles, *Certification, *Internal combustion engines, *Air pollution abatement, Trucks, Air pollution control equipment, Fuel sytems, Exhaust systems, Exhaust emissions, Standards compliance, Fuels, Operation and maintenance, Design criteria, Performance testing, Fugitive emissions, Exhaust emission control devices, Evaporative emission control devices, Nissan Motors Company LTD.

PB92-182880/REB PC **A99**/MF **A06**
Environmental Protection Agency, Washington, DC.
Application for Certification 1992 Model Year Light-Duty Vehicles - Porsche.
Porsche Cars North America, Inc., Reno, NV.
1992, 740p EPA/460/A-92/44
See also PB92-182872. Sponsored by Environmental Protection Agency, Washington, DC.
Also available in set of 12 reports PC E99/MF E99, PB92-182781.

Every year, each manufacturer of passenger cars, light-duty trucks, motorcycles, or heavy-duty engines submits to EPA an application for certification. The report deals with light-duty vehicles for Porsche. In the application, the manufacturer gives a detailed technical description of the vehicles or engines he intends to market during the upcoming model year. These engineering data include explanations and/or drawings which describe engine/vehicle parameters such as basic engine design, fuel systems, ignition systems and exhaust and evaporative emission control systems. It also provides information on emission test procedures, service accumulation procedures, fuels to be used, and proposed maintenance requirements to be followed during testing. Section 16 of the application contains the results of emission testing, a statement of compliance to the regulations, production engine parameters, and a Summary Sheet Input Form on which issuance of a Certificate of Conformity is based.

Keywords: *Light duty vehicles, *Certification, *Internal combustion engines, *Air pollution abatement, Automobiles, Air pollution control equipment, Fuel systems, Exhaust systems, Exhaust emissions, Standards compliance, Fuels, Operation and maintenance, Design criteria, Performance testing, Fugitive emissions, Exhaust emission control devices, Evaporative emission control devices, Porsche.

PB92-182898/REB PC **A19**/MF **A04**
Environmental Protection Agency, Washington, DC.
Application for Certification 1992 Model Year Light-Duty Vehicles - Saab Cars USA, Inc.
Saab Cars USA, Inc., Orange, CT.
1992, 440p EPA/460/A-92/45
See also PB92-182880 and PB88-125109. Sponsored by Environmental Protection Agency, Washington, DC.
Also available in set of 12 reports PC E99/MF E99, PB92-182781.

Every year, each manufacturer of passenger cars, light-duty trucks, motorcycles, or heavy-duty engines submits to EPA an application for certification. The report deals with light-duty vehicles from Saab Cars USA, Incorporated. In the application, the manufacturer gives a detailed technical description of the vehicles or engines he intends to market during the upcoming model year. These engineering data include explanations and/or drawings which describe engine/vehicle parameters such as basic engine design, fuel systems, ignition systems and exhaust and evaporative emission control systems. It also provides information on emission test procedures, service accumulation procedures, fuels to be used, and proposed maintenance requirements to be followed during testing. Section 16 of the application contains the results of emission testing, a statement of compliance to the regulations, production engine parameters, and a Summary Sheet Input Form on which issuance of a Certificate of Conformity is based.

Keywords: *Light duty vehicles, *Certification, *Internal combustion engines, *Air pollution abatement, Automobiles, Air pollution control equipment, Fuel systems, Exhaust systems, Exhaust emissions, Standards compliance, Fuels, Operation and maintenance, Design criteria, Performance testing, Fugitive emissions, Exhaust emission control devices, Evaporative emission control devices, Saab Cars USA Incorporated.

PB92-182906/REB PC **A09**/MF **A03**
Environmental Protection Agency, Washington, DC.
Application for Certification 1993 Model Year Light-Duty Vehicles - Toyota Technical Center, U.S.A. Inc.
Toyota Technical Center, U.S.A., Inc., Ann Arbor, MI.
1992, 197p EPA/460/A-92/46
See also PB92-182898 and PB92-122456. Sponsored by Environmental Protection Agency, Washington, DC.
Also available in set of 12 reports PC E99/MF E99, PB92-182781.

Every year, each manufacturer of passenger cars, light-duty trucks, motorcycles, or heavy-duty engines submits to EPA an application for certification. The report deals with light-duty vehicles from Toyota Technical Center, USA Incorporated. In the application, the manufacturer gives a detailed technical description of the vehicles or engines he intends to market during the upcoming model year. These engineering data include explanations and/or drawings which describe engine/vehicle parameters such as basic engine design, fuel systems, ignition systems and exhaust and evaporative emission control systems. It also provides information on emission test procedures, service accumulation procedures, fuels to be used, and proposed maintenance requirements to be followed during testing. Section 16 of the application contains the results of emission testing, a statement of compliance to the regulations, production engine parameters, and a Summary Sheet Input Form on which issuance of a Certificate of Conformity is based.

Keywords: *Light duty vehicles, *Certification, *Internal combustion engines, *Air pollution abatement, Automobiles, Air pollution control equipment, Fuel systems, Exhaust systems, Exhaust emissions, Standards compliance, Fuels, Operation and maintenance, Design criteria, Performance testing, Fugitive emissions, Exhaust emission control devices, Evaporative emission control devices, Toyota Technical Centers USA Incorporated.

PB92-182914/REB PC **E99**/MF **E99**
Application for Certification 1992 Model Year Heavy-Duty Vehicles.
Environmental Protection Agency, Washington, DC.
1992, 1714p
Set includes PB92-182922 through PB92-182997.

No abstract available.

PB92-182922/REB PC **A18**/MF **A04**
Environmental Protection Agency, Washington, DC.
Application for Certification 1992 Model Year Heavy-Duty Diesel Engines - Caterpillar.
Caterpillar, Inc., Peoria, IL.
1992, 409p EPA/460/A-92/47
See also PB92-182997 and PB88-125166. Sponsored by Environmental Protection Agency, Washington, DC. Also available in set of 8 reports PC E99/MF E99, PB92-182914.

Every year, each manufacturer of passenger cars, light-duty trucks, motorcycles, or heavy-duty engines submits to EPA an application for certification. The report deals with heavy-duty diesel vehicles from Caterpillar Incorporated. In the application, the manufacturer gives a detailed technical description of the vehicles or engines he intends to market during the upcoming model year. These engineering data include explanations and/or drawings which describe engine/vehicle parameters such as basic engine design, fuel systems, ignition systems and exhaust and evaporative emission control systems. It also provides information on emission test procedures, service accumulation procedures, fuels to be used, and proposed maintenance requirements to be followed during testing. Section 16 of the application contains the results of emission testing, a statement of compliance to the regulations, production engine parameters, and a Summary Sheet Input Form on which issuance of a Certificate of Conformity is based.

Keywords: *Heavy duty vehicles, *Diesel engines, *Certification, *Air pollution abatement, Performance testing, Design criteria, Diesel engine exhaust, Fugitive emissions, Exhaust emissions, Internal combustion engines, Fuel systems, Air pollution control equipment, Exhaust systems, Standards compliance, Fuels, Operation and maintenance, Construction equipment, Exhaust emission control devices, Evaporative emission control devices, Caterpillar Incorporated.

PB92-182930/REB PC **A21**/MF **A04**
Environmental Protection Agency, Washington, DC.
Application for Certification 1992 Model Year Heavy-Duty Diesel Vehicles - Cummins Engine Company, Inc.
Cummins Engine Co., Inc., Columbus, IN.
1992, 498p EPA/460/A-92/48
See also PB92-182922 and PB90-214230. Sponsored by Environmental Protection Agency, Washington, DC. Also available in set of 8 reports PC E99/MF E99, PB92-182914.

Every year, each manufacturer of passenger cars, light-duty trucks, motorcycles, or heavy-duty engines submits to EPA an application for certification. The report deals with heavy-duty diesel vehicles from Cummins Engine Company, Incorporated. In the application, the manufacturer gives a detailed technical description of the vehicles or engines he intends to market during the upcoming model year. These engineering data include explanations and/or drawings which describe engine/vehicle parameters such as basic engine design, fuel systems, ignition systems and exhaust and evaporative emission control systems. It also provides information on emission test procedures, service accumulation procedures, fuels to be used, and proposed maintenance requirements to be followed during testing. Section 16 of the application contains the results of emission testing, a statement of compliance to the regulations, production engine parameters, and a Summary Sheet Input Form on which issuance of a Certificate of Conformity is based.

Keywords: *Heavy duty vehicles, *Diesel engines, *Certification, *Air pollution abatement, Performance testing, Design criteria, Diesel engine exhaust, Fugitive emissions, Exhaust emissions, Fuel systems, Internal combustion engines, Air pollution control equipment, Exhaust systems, Standards compliance, Fuels, Operation and maintenance, Cummins Engine Company Incorporated, Exhaust emission control devices, Evaporative emission control devices.

PB92-182948/REB PC **A10**/MF **A03**
Environmental Protection Agency, Washington, DC.
Application for Certification 1992 Model Year Heavy-Duty Diesel Engines - Detroit Diesel Corporation.
Detroit Diesel Corp., MI.
1992, 221p EPA/460/A-92/49
See also PB92-182930 and PB92-127984. Sponsored by Environmental Protection Agency, Washington, DC. Also available in set of 8 reports PC E99/MF E99, PB92-182914.

Every year, each manufacturer of passenger cars, light-duty trucks, motorcycles, or heavy-duty engines submits to EPA an application for certification. The report deals with heavy-duty diesel vehicles from Detroit Diesel Corporation. In the application, the manufacturer gives a detailed technical description of the vehicles or engines he intends to market during the upcoming model year. These engineering data include explanations and/or drawings which describe engine/vehicle parameters such as basic engine design, fuel systems, ignition systems and exhaust and evaporative emission control systems. It also provides information on emission test procedures, service accumulation procedures, fuels to be used, and proposed maintenance requirements to be followed during testing. Section 16 of the application contains the results of emission testing, a statement of compliance to the regulations, production engine parameters, and a Summary Sheet Input Form on which issuance of a Certificate of Conformity is based.

Keywords: *Heavy duty vehicles, *Diesel engines, *Certification, *Air pollution abatement, Performance testing, Design criteria, Diesel engine exhaust, Fugitive emissions, Exhaust emissions, Fuel systems, Internal combustion engines, Air pollution control equipment, Exhaust systems, Standards compliance, Fuels, Operation and maintenance, Detroit Diesel Corporation, Exhaust emission control devices, Evaporation emission control devices.

PB92-182955/REB PC **A07**/MF **A02**
Environmental Protection Agency, Washington, DC.
Application for Certification 1992 Model Year Heavy-Duty Diesel Vehicles - Hino Motors, Ltd.
Hino Motors Ltd., Tokyo (Japan).
1992, 128p EPA/460/A-92/50
See also PB92-182948 and PB92-122522. Sponsored by Environmental Protection Agency, Washington, DC. Also available in set of 8 reports PC E99/MF E99, PB92-182914.

Every year, each manufacturer of passenger cars, light-duty trucks, motorcycles, or heavy-duty engines submits to EPA an application for certification. The report deals with heavy-duty diesel vehicles from Hino Motors, Ltd. In the application, the manufacturer gives a detailed technical description of the vehicles or engines he intends to market during the upcoming model year. These engineering data include explanations and/or drawings which describe engine/vehicle parameters such as basic engine design, fuel systems, ignition systems and exhaust and evaporative emission control systems. It also provides information on emission test procedures, service accumulation procedures, fuels to be used, and proposed maintenance requirements to be followed during testing. Section 16 of the application contains the results of emission testing, a statement of compliance to the regulations, production engine parameters, and a Summary Sheet Input Form on which issuance of a Certificate of Conformity is based.

Keywords: *Heavy duty vehicles, *Diesel engines, *Certification, *Air pollution abatement, Performance testing, Design criteria, Diesel engine exhaust, Fugitive emissions, Exhaust emissions, Fuel systems, Internal combustion engines, Air pollution control equipment, Exhaust systems, Standards compliance, Fuels, Operation and maintenance, Hinto Motors Ltd, Exhaust emission control devices, Evaporation emission control devices.

PB92-182963/REB PC **A12**/MF **A03**
Environmental Protection Agency, Washington, DC.
Application for Certification 1992 Model Year Heavy-Duty Vehicles - Mack Trucks.
Mack Trucks, Inc., Hagerstown, MD.
1992, 267p EPA/460/A-92/51
See also PB92-182955 and PB91-242776. Sponsored by Environmental Protection Agency, Washington, DC. Also available in set of 8 reports PC E99/MF E99, PB92-182914.

Every year, each manufacturer of passenger cars, light-duty trucks, motorcycles, or heavy-duty engines submits to EPA an application for certification. The report deals with heavy-duty vehicles from Mack trucks. In the application, the manufacturer gives a detailed technical description of the vehicles or engines he intends to market during the upcoming model year. These engineering data include explanations and/or drawings which describe engine/vehicle parameters such as basic engine design, fuel systems, ignition systems and exhaust and evaporative emission control systems. It also provides information on emission test procedures, service accumulation procedures, fuels to be used, and proposed maintenance requirements to be followed during testing. Section 16 of the application contains the results of emission testing, a statement of compliance to the regulations, production engine parameters, and a Summary Sheet Input Form on which issuance of a Certificate of Conformity is based.

Keywords: *Heavy duty vehicles, *Internal combustion engines, *Certification, *Air pollution abatement, Performance testing, Design criteria, Exhaust emissions, Diesel engines, Gasoline engines, Fugitive emissions, Trucks, Emission control, Air pollution control equipment, Exhaust systems, Standards compliance, Fuels, Operation and maintenance, Mack trucks, Exhaust emission control devices, Evaporation emission control devices.

PB92-182971/REB PC **A05**/MF **A01**
Environmental Protection Agency, Washington, DC.
Application for Certification 1992 Model Year Heavy-Duty Vehicles - Navistar International Corporation.
Navistar International Corp., Melrose Park, IL.
1992, 76p EPA/460/A-92/52
See also PB92-182963 and PB91-242784. Sponsored by Environmental Protection Agency, Washington, DC. Also available in set of 8 reports PC E99/MF E99, PB92-182914.

Every year, each manufacturer of passenger cars, light-duty trucks, motorcycles, or heavy-duty engines submits to EPA an application for certification. The report deals with heavy-duty vehicles from Navistar International Corporation. In the application, the manufacturer gives a detailed technical description of the vehicles or engines he intends to market during the upcoming model year. These engineering data include explanations and/or drawings which describe engine/vehicle parameters such as basic engine design, fuel systems, ignition systems and exhaust and evaporative emission control systems. It also provides information on emission test procedures, service accumulation procedures, fuels to be used, and proposed maintenance requirements to be followed during testing. Section 16 of the application contains the results of emission testing, a statement of compliance to the reg-

ulations, production engine parameters, and a Summary Sheet Input Form on which issuance of a Certificate of Conformity is based.

Keywords: *Heavy duty vehicles, *Certification, *Internal combustion engines, *Air pollution abatement, Performance testing, Design criteria, Exhaust emissions, Diesel engines, Gasoline engines, Fugitive emissions, Operation and maintenance, Emission control, Air pollution control equipment, Exhaust systems, Standards compliance, Fuels, Navistar International Corporation, Exhaust emission control devices, Evaporation emission control devices.

PB92-182989/REB PC **A05**/MF **A01**
Environmental Protection Agency, Washington, DC.
Application for Certification 1992 Model Year Heavy-Duty Vehicles - Winnebago Industries, Inc.
Winnebago Industries, Inc., Forest City, IA.
1992, 82p EPA/460/A-92/53
See also PB92-182971. Sponsored by Environmental Protection Agency, Washington, DC.
Also available in set of 8 reports PC E99/MF E99, PB92-182914.

Every year, each manufacturer of passenger cars, light-duty trucks, motorcycles, or heavy-duty engines submits to EPA an application for certification. The report deals with heavy-duty vehicles from Winnebago Industries, Incorporated for 1992 models. In the application, the manufacturer gives a detailed technical description of the vehicles or engines he intends to market during the upcoming model year. These engineering data include explanations and/or drawings which describe engine/vehicle parameters such as basic engine design, fuel systems, ignition systems and exhaust and evaporative emission control systems. It also provides information on emission test procedures, service accumulation procedures, fuels to be used, and proposed maintenance requirements to be followed during testing. Section 16 of the application contains the results of emission testing, a statement of compliance to the regulations, production engine parameters, and a Summary Sheet Input Form on which issuance of a Certificate of Conformity is based.

Keywords: *Heavy duty vehicles, *Internal combustion engines, *Certification, *Air pollution abatement, Performance testing, Design criteria, Exhaust emissions, Diesel engines, Gasoline engines, Fugitive emissions, Operation and maintenance, Emission control, Air pollution control equipment, Exhaust systems, Standards compliance, Fuels, Winnebago Industries Incorporated, Exhaust emission control devices, Evaporation emission control devices.

PB92-182997/REB PC **A03**/MF **A01**
Environmental Protection Agency, Washington, DC.
Application for Certification 1993 Model Year Heavy-Duty Vehicles - Winnebago Industries, Inc.
Winnebago Industries, Inc., Forest City, IA.
1992, 33p EPA/460/A-92/54
See also PB92-182989. Sponsored by Environmental Protection Agency, Washington, DC.
Also available in set of 8 reports PC E99/MF E99, PB92-182914.

Every year, each manufacturer of passenger cars, light-duty trucks, motorcycles, or heavy-duty engines submits to EPA an application for certification. The report deals with heavy-duty vehicles from Winnebago Industries, Incorporated for 1993 models. In the application, the manufacturer gives a detailed technical description of the vehicles or engines he intends to market during the upcoming model year. These engineering data include explanations and/or drawings which describe engine/vehicle parameters such as basic engine design, fuel systems, ignition systems and exhaust and evaporative emission control systems. It also provides information on emission test procedures, service accumulation procedures, fuels to be used, and proposed maintenance requirements to be followed during testing. Section 16 of the application contains the results of emission testing, a statement of compliance to the regulations, production engine parameters, and a Summary Sheet Input Form on which issuance of a Certificate of Conformity is based.

Keywords: *Heavy duty vehicles, *Certification, *Internal combustion engines, *Air pollution abatement, Performance testing, Design criteria, Exhaust emissions, Diesel engines, Gasoline engines, Operation and maintenance, Emission control, Air pollution control equipment, Exhaust systems, Standards compliance, Fuels, Fugitive emissions, Winnebago Industries Incorporated, Exhaust emission control devices, Evaporation emission control devices.

PB92-183201/REB PC **A06**/MF **A02**
Environmental Protection Agency, Research Triangle Park, NC.
Background Document for the Liquid Release Test: Single Laboratory Evaluation and 1988 Collaborative Study.
Research Triangle Inst., Research Triangle Park, NC.
G. L. Kingsbury, and C. V. Wall. 18 Sep 91, 117p EPA/530/SW-91/079
Contracts EPA-68-01-7075, EPA-68-WO-0032
Sponsored by Environmental Protection Agency, Research Triangle Park, NC.

The liquid release test (LRT) is a laboratory test method designed to determine whether or not liquid will be released from sorbents when they are subjected to a vertical load, as would be experienced by materials buried in a landfill. The LRT is an attribute test rather than a continuous variable measurement test. Thus, the result is either a release detected (sample fails the test) or no release detected (sample passes the test). The report describes the single-laboratory evaluation and the collaborative study conducted in 1988 to evaluate performance of the LRT Draft Protocol, and provides an assessment of the method based on the results of these tests.

Keywords: *Earth fills, *Absorbers(Materials), *Permeability, *Liquids, *Laboratory tests, *Pollution control, Interlaboratory comparisons, Feasibility, *Liquid release test.

PB92-183235/REB PC **A03**/MF **A01**
Emergency Exemptions under Section 18 of the Federal Insecticide Fungicide and Rodenticide Act. 1. Guidance for State and Federal Agencies.
Environmental Protection Agency, Washington, DC. Office of Pesticide Programs.
22 Jun 92, 37p EPA/540/09-92/204
See also PB92-183243.

The document summarizes the Agency's positions and policies regarding those issues reviewed by the section 18 work group. It does not address every issue associated with emergency exemptions and is not intended to supplant the section 18 regulations at 40 CFR part 166. It is meant to clarify certain parts of the existing regulations and to serve as additional guidance to Federal and State agencies submitting section 18 emergency exemption requests.

Keywords: *Federal agencies, *State government, *Pesticides, Farm crops, Disaster planning, Economic analysis, Insecticide resistance, *Federal Insecticide Fungicide and Rodenticide Act.

PB92-183243/REB PC **A03**/MF **A01**
Emergency Exemptions under Section 18 of the Federal Insecticide Fungicide and Rodenticide Act. 2. Instructions for Submission of Emergency Exemption Applications.
Environmental Protection Agency, Washington, DC. Office of Pesticide Programs.
22 Jun 92, 34p EPA/540/09-92/205
See also PB92-183235.

Instructions are provided for completing section 18 emergency exemption applications (specific, public Health, and quarantine exemptions). The package is part II of the Emergency Exemptions Under Section 18 of the Federal Insecticide Fungicide and Rodenticide Act. II. Instructions for submission of Emergency Exemption Applications.

Keywords: *Pesticides, *Instructions, Public health, Quarantine, Disaster planning, Economic analysis, Pesticide residues, Food contamination, *Federal Insecticide Fungicide and Rodenticide Act, *Emergency exemption.

PB92-183284/REB PC **A04**/MF **A01**
Superfund Record of Decision (EPA Region 1): Western Sand and Gravel, RI. (Second Remedial Action), September 1985.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
30 Sep 85, 71p EPA/ROD/R01-85/064
See also PB92-963701.

The 20-acre Western Sand and Gravel site is a former gravel mining facility and industrial waste disposal area in North Smithfield and Burrillville, Rhode Island. Land use in the area is predominantly agricultural. The estimated 600 people who reside within one mile of the site use the underlying ground water as their drinking water supply. From 1953 to 1979, Western Sand and Gravel, Inc. (WSG) used the site for gravel mining operations. From 1975 to 1979, approximately 12 acres of the site were used for the disposal of liquid wastes, including chemicals and sewage waste. In 1979, the State conducted sampling of private domestic wells in the area and ordered the site to be closed because of violations of water and air pollution regulations and for failing to prepare complete and accurate industrial waste manifests. This final source control ROD addresses OU2, site closure and post closure provisions to contain contamination and minimize offsite migration of contaminants. Future RODs will address the contaminated ground water as OU3. The primarily contaminants of concern affecting the soil and sludge are VOCs including benzene, TCE, and PCE. The selected remedial action for this site is included.

Keywords: *Superfund, *Hazardous materials, *Waste disposal, *Pollution control, *Remedial action, Land pollution, Sludge disposal, Volatile organic compounds, Gravel mines, Liquid wastes, Industrial wastes, Water pollution, Mine wastes, Air pollution, Environmental transport, Rhode Island, *Record of Decision, *Cleanup operations, EPA region 1, Burrillville(Rhode Island).

PB92-195684/REB PC **A02**/MF **A01**
Effects of Fenvalerate on the Early Life Stages of Topsmelt ('Atherinops affinis'). Journal article.
Environmental Research Lab., Gulf Breeze, FL.
L. R. Goodman, M. J. Hemmer, D. P. Middaugh, and J. C. Moore. c1992, 8p EPA/600/J-92/211
Pub. in Environmental Toxicology and Chemistry, v11 p409-414 1992.

Flow-through acute and early-life-stage (ELS) toxicity tests were conducted with topsmelt (Atherinops affinis), a Pacific coast saltwater fish, and fenvalerate, a synthetic pyrethroid insecticide. The 96-h LC50 for juvenile fish was 0.66 micrograms/L. In the 30-d ELS test with laboratory-spawned embryos, average measured fenvalerate concentrations were nondetectable (<0.075 micrograms/L) in two control treatments, 0.14, 0.34, 0.82, 1.5, and 3.2 micrograms/L. Survival of embryos to hatching ranged from 94 to 100%, with no statistically significant differences among treatments. No fry survived exposure to fenvalerate concentrations > or = 0.82 micrograms/L; overall survival in lower concentrations and control treatments ranged from 86 to 97%. There were no consistent concentration-dependent differences in weight between fish in the carrier-control treatment and fish exposed to fenvalerate. Mean wet weights of surviving fish ranged from 16.9 mg in 0.34 micrograms/L to 20.3 mg in 0.14 micrograms/L. The average bioconcentration factor for fish exposed to 0.14 and 0.34 micrograms fenvalerate per liter was 315.

Keywords: *Water pollution effects(Animals), *Fenvalerate, Toxicity, Life cycles, Dose-response relationships, Mortality, Reprints, *Topsmelt, *Atherinops affinis.

PB92-195726/REB PC **A02**/MF **A01**
Environmental Research Lab., Gulf Breeze, FL.
Technique for Screening and Maintaining Smaller Genomic Libraries. Journal article.
Abraham Lincoln School of Medicine, Chicago, IL.
U. M. X. Sangodkar, and S. Mavinkurve. c1992, 6p EPA/600/J-92/214
Pub. in DNA and Protein Engineering Techniques, v1 n4 p48-51 1988. Prepared in cooperation with Goa Univ. (India). Dept. of Microbiology. Sponsored by Environmental Research Lab., Gulf Breeze, FL.

A technique for screening and simultaneously maintaining individual clones of the gene library for long-term storage is described. The method is particularly useful for identification and cloning of genes from cosmid-based genomic libraries of prokaryotes that constitute a smaller number of recombinant clones, most of which carry fragments of 20-30 kb in size.

Keywords: *Genomic library, *Genetic engineering, Autoradiography, Cosmids, Genetic recombination,

Molecular cloning, Prokaryotic cells, Escherichia coli, Nucleic acid hybridization, Reprints.

PB92-195965/REB PC **A03**/MF **A01**
Reducing Mercury Emission from Municipal Waste Combustion with Carbon Injection into Flue Gas. Rept. for Jul 91-May 92.
Environmental Protection Agency, Research Triangle Park, NC. Air and Energy Engineering Research Lab.
T. G. Brna, J. D. Kilgroe, and C. A. Miller. c1992, 17p EPA/600/A-92/134
Presented at ECO World '92, Washington, DC., June 14-17, 1992.

The paper gives results of tests (to aid in developing emission rules) in July and August 1991 on a 360-tonne/day mass burn municipal waste combustor (MWC) at the Ogden Martin Systems of Stanislaus, Inc. facility near Crows Landing, CA. Test results indicated that carbon (C) addition was effective in improving mercury (Hg) removal: removal increased with increasing C feed rate. Hg removal improved from about 30% without C addition to over 90% at the highest C feed rate tested. The test data obtained for evaluation of the secondary test objectives suggested that (1) ammonia (NH3) addition (which occurred with low slip) had no apparent adverse effect on Hg control, (2) lime stoichiometry had no effect on Hg emissions over the narrow range studied, (3) the fabric filter (FF) gas temperature over the range tested did not affect Hg control, and (4) the Hg content of ash/residue stream samples remained relatively constant over a period of 28 days in samples held at 54 C.

Keywords: *Air pollution control, *Mercury(Metals), *Activated carbon treatment, *Incineration, *Waste disposal, Municipal wastes, Flue gases, Injection, Performance evaluation, Dry methods, Air pollution control equipment.

PB92-196039/REB PC **A04**/MF **A01**
Characteristics of Successful Riparian Restoration Projects in the Pacific Northwest.
Environmental Protection Agency, Seattle, WA. Region X.
S. Connin. Aug 91, 62p EPA/910/9-91/033

Region 10 U.S. Environmental Protection Agency (EPA) recognizes the importance of healthy riparian ecosystems to the maintenance of State Water Quality Standards. Consequently, EPA developed a Region 10 Riparian Management Policy designed to protect, improve, and restore riparian areas--particularly those affected by non-point source (NPS) pollution. The policy emphasizes the importance of riparian enhancement to control NPS impacts and to enable states to meet water quality standards. In addition, it establishes a high priority for EPA funding of riparian restoration projects. Riparian enhancement programs may incorporate Best Management Practices (BMPs) as restorative methods designed to moderate the impacts of poor land-use. EPA intends to identify common 'key' characteristics of riparian enhancement projects which promote successful design implementation, and monitoring of BMPs. By identifying these attributes, EPA and other federal, state, and local agencies and groups will be better equipped to design and implement successful restoration projects.

Keywords: *Water pollution standards, *Water pollution abatement, *Water management, Environmental policy, Nonpoint sources, Best technology, State programs, Ecosystems, Land use, Land management, US EPA, Design criteria, Pollution regulations, Funds, *Pacific Northwest Region(United States), *Riparian waters, State implementation plans, EPA region 10.

PB92-196344/REB PC **A02**/MF **A01**
Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.
Waste Minimization Assessment for a Printed Circuit Board Manufacturer. Environmental research brief.
University City Science Center, Philadelphia, PA.
G. P. Looby, and F. W. Kirsch. May 92, 9p EPA/600/S-92/008
See also PB92-104355. Sponsored by Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.

Waste Minimization Assessment Centers (WMACs) were established at selected universities, and procedures were adapted from the EPA Waste Minimization Opportunity Assessment Manual (EPA/625/7-88/003, July 1988). The WMAC team at the University of Tennessee performed an assessment at a plant manufacturing printed circuit boards for television sets--approximately 4.3 million sq ft of finished boards per yr. To make printed circuit boards, the plant begins with making screens as all printing is accomplished using silk-screening techniques. The circuit boards undergo several operations including punching, scrubbing, printing, etching, and soldering. The team's report, detailing findings and recommendations, indicated that the majority of waste was generated in the circuit board production lines but the greatest savings could be obtained by installing a closed-loop cooling water system to reduce (60%) excess water usage in the UV-light curing ovens after screen printing and the cooling of the cupric chloride etch tanks.

Keywords: *Hazardous materials, *Manufacturers, *Pollution abatement, *Waste minimization, Manuals, Printed circuits, Printing, Etching, Manufacturing, Reduction, Waste water, Cooling systems, Closed loop cooling water system, Water utilization, Source reduction.

PB92-196369/REB PC **A02**/MF **A01**
Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.
Waste Minimization Assessment for a Manufacturer of Permanent-Magnet DC Electric Motors. Environmental research brief.
University City Science Center, Philadelphia, PA.
F. W. Kirsch, and G. P. Looby. May 92, 7p EPA/600/S-92/016
Sponsored by Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.

The U.S. Environmental Protection Agency (EPA) has funded a pilot project to assist small- and medium-size manufacturers who want to minimize their generation of waste but who lack the expertise to do so. Waste Minimization Assessment Centers (WMACs) were established at selected universities and procedures were adapted from the EPA Waste Minimization Opportunity Assessment Manual (EPA/625/7-88/003, July 1988). The WMAC team at the University of Tennessee performed an assessment at a plant manufacturing permanent-magnet DC electric motors-approximately 12 million motors and repair parts per yr. The armatures and stators are manufactured separately and then assembled into complete motor units. The team's report, indicated that the majority of waste was generated in the armature assembly line but that the greatest savings could be obtained by installing an electrostatic powder coating system to reduce the generation of waste paint solids (93%) and to eliminate the generation of waste paint liquids.

Keywords: *Manufacturing, *Waste minimization, *Electric motors, Manuals, Armatures, Maintenance, Solid waste disposal, Paints, Electrodeposited coatings, Reduction, Liquids, Recommendations.

PB92-196377/REB PC **A02**/MF **A01**
Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.
Waste Minimization Assessment for a Manufacturer of Sheet Metal Cabinets and Precision Metal Parts. Environmental research brief.
University City Science Center, Philadelphia, PA.
G. P. Looby, and F. W. Kirsch. May 92, 6p EPA/600/S-92/01
Sponsored by Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.

Waste Minimization Assessment Centers (WMACs) were established at selected universities, and procedures were adapted from the EPA Waste Minimization Opportunity Assessment Manual (EPA/625/7-88/003, July 1988). The WMAC team at Colorado State University performed an assessment for a plant that manufactures sheet metal cabinets and precision metal parts. To make the cabinets, sheet metal is cut to size, bent, welded, and polished. The metal parts are then surface treated and painted. The machined parts are produced from bar stock which is cut, drilled, milled, and ground as needed. The team's report, detailing findings and recommendations, indicated that the most waste was generated by the chromate conversion and iron phosphate coating processes that prepare the parts for painting. The plant could achieve the greatest cost savings by replacing solvent-based painting with powder-based painting.

Keywords: *Hazardous materials, *Waste minimization, *Pollution abatement, *Manufacturers, Manuals, Manufacturing, Operations, Metal sheets, Coatings, Paints, Metal protection, Materials replacement, Solvents, Chromate coatings, Conversion coatings, Metal powder, Cost reduction.

PB92-196385/REB PC **A01**/MF **A01**
Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.
Waste Minimization Assessment for a Manufacturer of Can-Manufacturing Equipment. Environmental research brief.
University City Science Center, Philadelphia, PA.
F. W. Kirsch, and G. P. Looby. Apr 92, 5p EPA/600/S-92/014
Grant EPA-R-814903
Sponsored by Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.

The U.S. Environmental Protection Agency (EPA) has funded a pilot project to assist small- and medium-size manufacturers who want to minimize their generation of hazardous waste but who lack the expertise to do so. Waste Minimization Assessment Centers (WMACs) were established at selected universities and procedures were adapted from the EPA Waste Minimization Opportunity Assessment Manual (EPA/625/7-88/003, July 1988). The WMAC team at Colorado State University performed an assessment for a plant that produces equipment for manufacturing and decorating aluminum beverage cans. Each component manufactured undergoes a unique series of operations including cutting, machining, welding, and painting. The team's report, detailing findings and recommendations, indicated that spent cutting fluid and contaminated hydraulic fluid are the largest wastes generated by the plant and that significant savings could result from instituting a recycling program for the waste cutting fluid.

Keywords: *Hazardous materials, *Waste minimization, *Manufacturers, *Pollution abatement, Manuals, Manufacturing, Operations, Cutting, Welding, Painting, Aluminum, Containers, Industrial plants, Contaminants, Cutting fluids, Hydraulic fluids, Waste water reuse, Paints, Cost reduction, *Waste recycling.

PB92-196393/REB PC **A02**/MF **A01**
Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.
Waste Minimization Assessment for an Aluminum Extrusions Manufacturer. Environmental research brief.
University City Science Center, Philadelphia, PA.
G. P. Looby, and F. W. Kirsch. Apr 92, 7p EPA/600/S-92/018
Grant EPA-R-814903
See also PB92-192137. Sponsored by Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.

The U.S. Environmental Protection Agency (EPA) has funded a pilot project to assist small- and medium-size manufacturers who want to minimize their generation of waste but who lack the expertise to do so. Waste Minimization Assessment Centers (WMACs) were established at selected universities and procedures were adapted from the EPA Waste Minimization Opportunity Assessment Manual (EPA/525/7-88/003, July 1988). The WMAC team at the University of Tennessee performed an assessment at a plant manufacturing aluminum extrusions -- over 36 million pounds per year. Primary and scrap aluminum is melted down, cast into logs, then heat treated. Next, the logs are extruded into desired shapes. Extrusions are sheared, heat treated, then either buffed, anodized (colorized), painted, or shipped. The team's report, detailing findings and recommendations, indicated that the majority of waste was generated in the anodizing line but that the greatest savings could be obtained by installing an electrostatic powder coating system to eliminate spent toluene, air filters, plastic sheets, paint ash, and evaporated solvents.

Keywords: *Hazardous materials, *Pollution abatement, *Metal industry, *Waste management, *Extrusions, Industrial wastes, Buffing, Coating processes, Aluminum, Solvents, Metal scraps, Anodizing, Electrostatic coating, *Waste minimization, Small systems, Source reduction, SIC 20-39.

PB92-196401/REB PC **A01**/MF **A01**
Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.
Waste Minimization Assessment for a Manufacturer Producing Treated Wood Products. Environmental research brief.
University City Science Center, Philadelphia, PA.
F. W. Kirsch, and J. C. Maginn. May 92, 5p EPA/600/S-92/022
Grant EPA-R-814903
Sponsored by Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.

The U.S. Environmental Protection Agency (EPA) has funded a pilot project to assist small- and medium-size manufacturers who want to minimize their generation of hazardous waste but who lack the expertise to do so. Waste Minimization Assessment Centers (WMACs) were established at selected universities and procedures were adapted from the EPA Waste Minimization Opportunity Assessment Manual (EPA/625/7-88/003, July 1988). The WMAC team at Colorado State University performed an assessment at a plant producing treated wood products--approximately 1,700,000 cu.ft./yr. Railroad crossties and poles are treated with creosote in pressure cylinders to increase their serviceability under conditions that promote decay, weathering, insect destruction, or exposure to fire. Lumber is treated by Wolmanizing, a closed loop process in which a 2% chromated copper arsenate solution is used for treatment in a pressure cylinder. The team's report, detailing findings and recommendations, indicated that most waste was generated in the creosote treatment process, and also that cost savings could be obtained by arranging an exchange of accumulated bark and wood chips with others who use wood scrap as a raw material.

Keywords: *Hazardous wastes, *Waste minimization, *Manufacturers, *Pollution prevention, Wood products, Wood preservatives, Poles(Supports), Lumber, Creosote, Industrial plants, Copper organic compounds, Ozone, Phenols, Bark, Wood wastes, Removal, Cost analysis, Assessments.

PB92-197086/REB PC **A05**/MF **A01**
Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.
Total Hydrocarbon Emission Testing of Wastewater Sludge Incinerators. Volume 1. Final rept. 1991-92.
Pacific Environmental Services, Inc., Herndon, VA.
J. T. Chehaske, W. G. DeWees, and F. M. Lewis. Jun 92, 82p EPA/600/R-92/120A
Contract EPA-68-C0-0027
See also Volume 2, PB92-197094. Prepared in cooperation with DEECO, Inc., Cary, NC., and Lewis (F. Michael), El Segundo, CA. Sponsored by Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.

The U.S. EPA is considering continuous monitoring of total hydrocarbon (THC) emissions from all wastewater sludge incincerators. The study was conducted to determine the reliability of total hydrocarbon analyzers (THCAs) in the application. Continuous monitors for oxygen (O2), carbon monoxide (CO), THC, and temperature were installed at two municipal wastewater sludge incinerators. The O2 data was used to normalize the measured THC concentrations to 7% O2. CO was measured to determine if it could be used as a surrogate for THC measurements. The two THCAs performed very well, achieving 94 and 90% online availability at the two sampling sites, respectively. The O2 and CO analyzers also worked well. There were initial problems with the sample conditioning system that is necessary for the CO and O2 monitors, but successful operation was achieved after it was modified. The report presents graphical and tabular summaries of the results. The report covers a period from February 1991 to September 1991, and work was completed as of May 29, 1992.

Keywords: *Hydrocarbons, *Sludge disposal, *Air pollution sampling, *Incineration, *Sewage sludge, Continuous sampling, Sewage treatment, Flue gases, Concentration(Composition), Quality control, Quality assurance, Oxygen, Carbon monoxide, Graphs(Charts), Tables(Data), Gas analysis, Performance evaluation.

PB92-197094/REB PC **A16**/MF **A03**
Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.
Total Hydrocarbon Emission Testing of Wastewater Sludge Incinerators. Volume 2. Appendices. Final rept. 1991-92.
Pacific Environmental Services, Inc., Herndon, VA.
J. T. Chehaske, W. G. DeWees, and F. M. Lewis. Jun 92, 359p EPA/600/R-92/120B
Contract EPA-68-C0-0027
See also Volume 1, PB92-197086. Prepared in cooperation with DEECO, Inc., Cary, NC., and Lewis (F. Michael), El Segundo, CA. Sponsored by Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.

The problem of disposing of primary and secondary sludge from municipal wastewater treatment facilities is one of growing concern. Municipal wastewater sludges contain toxic compounds such as heavy metals and various organic species. Viable sludge disposal options include methods of land disposal and incineration. Emission limits for total hydrocarbons have been proposed as a way to limit organic compound emissions from sludge incinerators. Continuous emission monitors have been proposed to measure total hydrocarbon emissions. The Risk Reduction Engineering Laboratory and the Office of Water sponsored the program to evaluate the long term performance of such monitors at two wastewater sludge incinerators. The following document presents the results of that research program.

Keywords: *Hydrocarbons, *Sludge disposal, *Air pollution sampling, *Incineration, *Sewage sludge, Flue gases, Concentration(Composition), Continuous sampling, Sewage treatment, Oxygen, Carbon monoxide, Graphs(Charts), Tables(Data).

PB92-198209/REB PC **A22**/MF **A04**
Western Forests and Air Pollution.
Corvallis Environmental Research Lab., OR.
R. K. Olson, D. Binkley, and M. Boehm. 1992, 512p EPA/600/A-92/140
See also PB92-143833 and PB90-131111. Prepared in cooperation with ManTech Environmental Technology, Inc., Corvallis, OR., and Colorado State Univ., Fort Collins. Dept. of Forest and Wood Sciences.

The book addresses the relationships between air pollution in the western United States and trends in the growth and condition of Western coniferous forests. The major atmospheric pollutants to which forest in the region are exposed are sulfur and nitrogen compounds and ozone. The potential effects of atmospheric pollution on these forests include foliar injury, alteration of growth rates and patterns, soil acidification, shifts in species composition, and modification of the effects of natural stresses.

Keywords: *Precipitation(Meteorology), *Forest trees, *Growth, *Air pollution effects(Plants), Exposure, Sulfur dioxide, Nitrogen oxides, Ozone, Hydrocarbons, Environmental transport, Atmospheric circulation, Chemical reactions, Gases, Acidification, Injuries, Stress(Physiology), California, Washington(State), Western Region(United States), Conifers.

PB92-198217/REB PC **A02**/MF **A01**
ASTER: An Integration of the ACQUIRE Data Base and the QSAR System for Use in Ecological Risk Assessments. Journal article.
Environmental Research Lab.-Duluth, MN.
C. L. Russom, E. B. Anderson, B. E. Greenwood, and A. Pilli. c1991, 6p EPA/600/A-92/141
Pub. in The Science of the Total Environment 109/110, p667-670 1991. See also PB88-130034 and PB91-137083. Prepared in cooperation with Computer Sciences Corp., Duluth, MN.

Ecological risk assessments are used by the US Environmental Protection Agency (US EPA) and other governmental agencies to assist in determining the probability and magnitude of deleterious effects of hazardous chemicals on plants and animals. These assessments are important steps in formulating regulatory decisions. The completion of an ecological risk assessment requires the gathering of ecotoxicological hazard and environmental exposure information. The information is evaluated in the risk characterization section to assist in making the final risk assessment. ASTER (ASsessment Tools for the Evaluation of Risk) was designed by the US EPA Environmental Research Laboratory-Duluth (ERL-D) to assist regulators in producing assessments. ASTER is an integration of the AQUIRE (AQUatic toxicity Information REtrieval system) and QSAR (Quantitative Structure Activity Relationships) systems. AQUIRE is a data base of aquatic toxicity tests and QSAR is comprised of a data base of measured physicochemical properties, and various QSAR models that estimate physicochemical and ecotoxicological endpoints. ASTER will be available to international governmental agencies through the US EPA National Computing Center. (Copyright (c) 1991 Elsevier Science Publishers B.V.)

Keywords: *Risk assessment, *Aquatic ecosystems, *Hazardous materials, *Pollution regulations, *Water pollution effects, US EPA, Aquatic animals, Aquatic plants, Chemical compounds, Toxicity, Data storage and retrieval, Physicochemical properties, Exposure, Reprints, *ASsessment Tools for the Evaluation of Risk system, *ASTER computer program, AQUatic toxicity Information REtrieval system, Quantitative Structure Activity Relationships systems, AQUIRE data base, QSAR system.

PB92-198225/REB PC **A03**/MF **A01**
Landfill Leachate Effects on Transport of Organic Substances in Aquifer Materials (Chapter 16).
Book chapter Jun 87-Aug 89.
Robert S. Kerr Environmental Research Lab., Ada, OK.
F. M. Pfeffer, and C. G. Enfield. 1992, 15p EPA/600/A-92/142
Pub. in Transport and Remediation of Subsurface Contaminants, ACS Symposium Series 491, p194-204 Jun 91. See also PB87-169090. Developed from the Colloid and Surface Science Symposium (65th), Norman, OK., June 17-19, 1991.

The effect of dissolved organic carbon (DOC) in landfill leachate on the transport of a hydrophobic organic compound through saturated aquifer material was investigated. Leachate DOC was found to be complex; attempts to characterize the organic matrix were not successful. Two hydrophobic compounds of environmental significance were evaluated for (1) their partitioning to DOC in leachate, and (2) the effects of leachate on their partitioning to aquifer material. Results showed that the leachate reacts with aquifer material to increase partitioning to the stationary phase and that the DOC in the landfill leachate enhances mobility of the hydrophobic compounds. The conclusion was that at present, the authors do not know how to predict the impact of a given leachate on a given aquifer material without experimental measurements.

Keywords: *Waste disposal, *Environmental transport, *Earth fills, *Land pollution, *Aquifers, *Organic compounds, Organic matter, Porous media, Subsurface investigations, Remedial action, Leaching, Partition functions, Humus, Water pollution, Sorption, Reprints, *Dissolved organic carbon.

PB92-198233/REB PC **A02**/MF **A01**
EPA's Control Technology Center: Technical Support to Federal, State, and Local Agencies. Rept. for Oct 90-Sep 91.
Environmental Protection Agency, Research Triangle Park, NC. Air and Energy Engineering Research Lab.
C. H. Darvin. 1992, 8p EPA/600/A-92/143
See also PB91-191437. Presented at the AWMA annual meeting held in Kansas City, MO. on June 21-26, 1992.

The paper discusses EPA's Control Technology Center (CTC), including the technical support it provides to federal, state, and local agencies. In June 1985, the U.S. EPA announced an Air Toxics Strategy to reduce public exposure to toxic pollutants in ambient air. The Strategy addressed both routine and accidental releases and coupled responsibilities of traditional federal regulatory development and implementation programs with those of the states. The shift in regulatory roles towards state and local agencies resulted in the realization that a transfer of technical expertise and knowledge to those governmental sectors would be required, involving the significant technical resource that has been developed within the technical staffs of EPA's air regulatory programs and research offices. To facilitate that transfer of technical expertise and knowledge to state and local government agencies, the Control Technology Center was formed in 1987, as a collaborative effort between EPA's Office of Air Quality Planning and Standards (Emission Standards Division) and Office of Research and Development (Air and Energy Engineering Research Laboratory).

Keywords: *Air pollution control, *Pollution regulations, *Toxic substances, *Information transfer, *Environmental engineering, State government, Local government, Technology utilization, National government, Information systems, US EPA, *Control Technology Center.

PB92-198241/REB PC **A03**/MF **A01**
Environmental Protection Agency, Research Triangle Park, NC. Air and Energy Engineering Research Lab.
Thermodynamic Evaluation of Predicted Fluorinated Ether, Ethane, and Propane Azeotropes.
Acurex Environmental Corp., Research Triangle Park, NC.
G. S. Kazachki, and C. L. Gage. 3 Jan 92, 21p EPA/600/A-92/144
Contract EPA-68-D0-0141
See also PB92-195908. Presented at '92 Purdue Refrigeration Conference, West Layfayette, IN., July 20-23, 1992. Sponsored by Environmental Protection Agency, Research Triangle Park, NC. Air and Energy Engineering Research Lab.

Thermodynamic analysis using basic thermophysical property data was used to evaluate seven predicted fluorinated ether, ethane, and propane azeotropes: E125/RC270, E125/R134a, E143a/R134, R134a/E143a, E143a/R152a, R134/R245cb, and R245cb/R227ea. The performance of each azeotrope as a refrigerant in vapor compression cycles of different structures was evaluated solely on the basis of thermophysical properties. The results were used to rank the azeotropes among other refrigerants.

Keywords: *Fluorine organic compounds, *Azeotropes, *Thermodynamic properties, *Refrigerants, *Substitutes, Fluorohydrocarbons, Air pollution control, Vapor compression refrigeration cycle, Ethers.

PB92-198266/REB PC **A03**/MF **A01**
VOC Prevention Options for Surface Coating. Rept. for Jun-Aug 91.
Environmental Protection Agency, Research Triangle Park, NC. Air and Energy Engineering Research Lab.
B. W. McMinn, C. R. Newman, R. C. McCrillis, and M. Kosusko. 1991, 17p EPA/600/A-92/146
Presented at Annual Air and Waste Management Association (84th), Kansas City, MO., June 21-26, 1992. See also PB89-151419. Prepared in cooperation with Alliance Technologies Corp., Chapel Hill, NC., and Science Applications International Corp., Durham, NC.

The paper discusses some of the volatile organic compound (VOC) prevention options for surface coating. Most small surface coating industries are considered to be stationary area sources. Although stationary area sources may account for as much as 50% of national VOC emissions, they are often not amenable to add-on controls because of cost and the difficulty in capturing emissions. Pollution prevention techniques, such as product substitutions, process modifications, alternative technologies, and improved housekeeping, are needed to reduce VOC emissions from coating operations, thereby aiding in attaining the ozone standard and in decreasing exposure to air toxics. Some currently used products which may be alternatives to traditional solvent-based coatings include powder, waterborne, radiation-curable, and high-solids coatings. Many coating facilities have also reduced VOC emissions by converting conventional spray, airless, or air-assisted airless equipment to electrostatic or high-volume low-pressure units. In addition, several existing technologies that combine the benefits of both process modifications and product substitutions are discussed.

Keywords: *Volatile organic compounds, *Air pollution abatement, *Surface coating, Stationary sources, Solvents, Environmental chemical substitutes, Revisions, Substitutes, Technology utilization, Process charting, Equipment, Coating processes, Design criteria, Small systems.

PB92-198274/REB PC **A03**/MF **A01**
Environmental Protection Agency, Research Triangle Park, NC. Atmospheric Research and Exposure Assessment Lab.
Sampling Polycyclic Aromatic Hydrocarbons and Related Semivolatile Organic Compounds in Indoor Air. Symposium paper.
Battelle, Columbus, OH.
N. K. Wilson, J. C. Chuang, and M. R. Kuhlman. c1991, 12p EPA/600/A-92/147
Contract EPA-68-02-4127
Pub. in Indoor Air, v4 p513-521 1991. See also PB89-207021 and PB87-129524. Sponsored by Environmental Protection Agency, Research Triangle Park, NC. Atmospheric Research and Exposure Assessment Lab.

The paper summarizes the sampling and analysis methods used to collect and quantify polycyclic aromatic hydrocarbons (PAH) and PAH derivatives in indoor and outdoor air at 33 homes located in two cities, Columbus OH and Azusa CA. Two new samplers were developed for these studies: one with a flow rate of 200 l/min to collect material for bioassay and chemical analysis and a similar one with a flow rate of 20 l/min to collect samples for chemical analysis only. Both samplers simultaneously collect semivolatile organic compounds in the particulate and vapor phases. Both are quiet, transportable, and operate entirely within the sampled environment. The samplers' field performance was evaluated; that of the 20 l/min sampler is discussed in detail. Some typical data and findings from the studies are presented. (Copyright (c) Munksgaard, DK-Copenhagen, 1991.)

Keywords: *Indoor air pollution, *Air pollution monitoring, *Aromatic polycyclic hydrocarbons, *Air samplers, Performance evaluation, Houses, Reprints, *Semivolatile organic compounds, Columbus(Ohio), Azusa(California).

PB92-198282/REB PC **A03**/MF **A01**
Geomet Technologies, Inc., Germantown, MD.
Costs of Radon Diagnostics and Mitigation in School Buildings. Rept. for Nov 91-Jan 92.
Environmental Protection Agency, Research Triangle Park, NC. Air and Energy Engineering Research Lab.
K. W. Leovic, H. E. Rector, and N. L. Nagda. 1992, 12p EPA/600/A-92/127
Presented at the Annual Air and Waste Management Association (85th) Meeting, Kansas City, MO., June 21-26, 1992. See also PB91-233254. Sponsored by Geomet Technologies, Inc., Germantown, MD.

The paper gives results of a survey of seven individuals with considerable experience in radon mitigation in school buildings, to determine the costs of radon diagnostics and active soil depressurization (ASD) system installation in schools. The cost data were determined by providing the mitigators with two scenarios of 'typical' school buildings with elevated radon levels. The survey included five work elements associated with conducting radon diagnostics and mitigation in schools: (1) Review Construction Plans, (2) Conduct Diagnostic Measurements, (3) Design Mitigation System, (4) Purchase ASD Materials, and (5) Install and Check Out ASD System. Based on survey results, it is estimated that the average cost of ASD diagnostics and mitigation in a typical school would be roughly $0.50 per sq ft. About 20% of the cost is for diagnostics, and 80% is for installation costs. These costs would be higher in schools with extensive subslab walls, very poor pressure field extension under the slab, and extensive building code and/or asbestos complications.

Keywords: *Radon, *School buildings, *Air pollution control, *Indoor air pollution, Design criteria, Radioactive materials, Mitigation, Cost estimates, Surveys, Construction, Measurement, Installing, Environmental engineering, Subslab depressurization systems, Diagnostics.

PB92-198555/REB PC **A03**/MF **A01**
Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.
Modifications to Reduce Drag Out at a Printed Circuit Board Manufacturer. Rept. for Jun 89-Dec 90.
Minnesota Technical Assistance Program, Minneapolis.
P. E. Pagel. Jul 92, 45p EPA/600/R-92/114
Grant EPA-R-815821
Sponsored by Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.

The MnTAP/EPA Waste Reduction Innovative Technology Evaluation project at Micom, Inc., demonstrated the waste reducing capability of two simple rinsing modifications on an etchant and an electroless copper process. The simple, low (or no) cost, low technology changes that were made were: (1) slowing the withdrawal rate of the racks containing the printed circuit boards as they are pulled from concentrated process tanks and (2) combining an intermediate withdrawal rate with a longer drain time over the process tanks before transfer to the rinse tanks. As compared to baseline sampling, both modifications reduced drag out by 41 to 52% of concentrated copper containing bath solutions into the rinse water systems that followed the bath tanks. Economic savings in avoided treatment and disposal costs of $3120 to $3350 per year were also shown.

Keywords: *Pollution abatement, *Metal finishing, *Liquid wastes, Copper, Revisions, Water conservation, Rinsing, Manufacturing, Printed circuits, Sampling, Chemical compounds, Withdrawal, Cost analysis, Industrial wastes, *Source reduction, *Waste minimization, *Drag out, Waste Reduction Innovative Technology Evaluation.

PB92-198563/REB PC **A08**/MF **A02**
Environmental Protection Agency, Cincinnati, OH. Drinking Water Research Div.
Inorganic Chemical Characterization of Water Treatment Plant Residuals.
NSF International, Ann Arbor, MI.
C. B. Bartley, P. M. Colucci, and T. Stevens. Jun 92, 152p EPA/600/R-92/117
Sponsored by Environmental Protection Agency, Cincinnati, OH. Drinking Water Research Div.

The study obtained field data on the inorganic contaminants and constituents in residuals produced by Water Treatment Plants (WTPs). Eight WTPs were studied based on treatment technology, contamination or suspected contamination of raw water, and efficiency in the removal of contaminants. Two WTPs obtained raw water from rivers and the remining six from groundwater sources. Suspected contaminants included arsenic, radium, and uranium. Treatment technologies included coagulation and flocculation, lime softening, filtration, adsorption on chemically coated sand, anion exchange, and reverse osmosis. The residuals produced by the treatment technologies included sludge, brine, backwash, rinse water, and reject streams. The results demonstrated that non-radioactive inorganic contaminants accumulated in WTP residuals. Chemical coagulation sludges (lime, alum, ferric sulfate) apparently limit the mobilization of inorganic contaminants from sludge solids into surrounding liquids. Metals were rarely detected in the extracts of sludges tested in accordance with the toxicity characteristics leachate procedure (TCLP). The metal levels in the TCLP extracts were well below the maximum concentration levels and thus were not characteristic of a hazardous waste. Radium was detected in the sludges, brines, reject waters, and backwashes of WTPs.

Keywords: *Potable water, *Water treatment, *Inorganic compounds, *Waste management, Residues, Waste water, Brines, Sludges, Radium, Flocculating, Reverse osmosis, Coagulation, Filtration, Water softening, Adsorption, Anion exchanging.

PB92-198571/REB PC **A02**/MF **A01**
Case Study of Radon Diagnostics and Mitigation in a New York State School. Journal article Sep 89-Aug 90.
Environmental Protection Agency, Research Triangle Park, NC. Air and Energy Engineering Research Lab.
K. W. Leovic, D. B. Harris, M. Clarkin, and T. Brennan. c1991, 10p EPA/600/J-92/224
Pub. in Indoor Air, v4 p531-539 1991. Prepared in cooperation with Camroden Associates, Rome, NY.

The paper discusses a case study of radon diagnostics and mitigation performed by EPA in a New York State school building. Research focused on active subslab depressurization (ASD) in the basement and, to a lesser degree, the potential for radon reduction in the basement and slab-on-grade (SOG) sections using the heating, ventilating, and air-conditioning (HVAC) system. Based on radon diagnostic measurements in the basement, a five-point ASD system was installed, and recommendations were made to increase the outdoor air supply through the basement unit ventilator. Because of the high radon levels in the basement (1720 Bq/cu m) and limited subslab pressure field extension, both mitigation approaches were needed to reduce radon to below the current EPA guideline of 148 Bq/cu m. The effects of excavating a suction pit under each of the five suction points were also investigated. Pit excavation, together with adjustment of the airflows at the suction points, decreased average radon levels in the basement by an additional 40%. In

the SOG section, it was recommended that the school hire an HVAC contractor to evaluate the unit ventilators for increased outdoor air supply.

Keywords: *Radon, *School buildings, *Indoor air pollution, *Pollution control, Basements, Air conditioning, Heating, Ventilation, Slabs, Case studies, Reprints, Active subslab depressurization.

PB92-198589/REB PC **A03**/MF **A01**
Comparison of Data from an IAQ Test House with Predictions of an IAQ Computer Model. Journal article Jun 88-May 90.
Environmental Protection Agency, Research Triangle Park, NC. Air and Energy Engineering Research Lab.
L. E. Sparks, B. A. Tichenor, J. B. White, and M. D. Jackson. c1991, 18p EPA/600/J-92/225
Pub. in Indoor Air, v4 p577-592 1991.

The paper describes several experiments to evaluate the impact of indoor air pollutant sources on indoor air quality (IAQ). Measured pollutant concentrations are compared with concentrations predicted by an IAQ model. The measured concentrations are in excellent agreement with the predictions. The model predictions and the experimental data demonstrate the importance of sinks in determining long term IAQ. An objective of EPA's IAQ program is to provide guidance on the impact of indoor pollutant sources on IAQ. A computer model, EXPOSURE, was developed to assist in the effort. EXPOSURE calculates pollutant concentration as a function of time for each room in a building. EXPOSURE includes the effects of sources, sinks, room-to-room air movement, and air exchange with the outdoors.

Keywords: *Indoor air pollution, *Air quality, *Houses, *Mathematical models, Test facilities, Computerized simulation, Air pollution control, Volatile organic compounds, Chlorobenzenes, Reprints.

PB92-198597/REB PC **A03**/MF **A01**
Landfill Leachate Effects on Sorption of Organic Micropollutants onto Aquifer Materials. Journal article.
Robert S. Kerr Environmental Research Lab., Ada, OK.
T. Larsen, T. H. Christensen, F. M. Pfeffer, and C. G. Enfield. c1992, 21p EPA/600/J-92/235
Pub. in Jnl. of Contaminant Hydrology, v9 n4 p307-324 Apr 92. See also PB92-198225. Prepared in cooperation with Technical Univ. of Denmark, Lyngby. Dept. of Environmental Engineering.

The effect of dissolved organic carbon as present in landfill leachate, on the sorption of organic micropollutants in aquifer materials was studied by laboratory batch and column experiments involving 15 non-polar organic chemicals, 5 landfill leachates and 4 aquifer materials of low organic carbon content. The experiments showed that hydrophobic organic micropollutants do partition into dissolved organic carbon found in landfill leachate potentially increasing their mobility. However, landfill leachate interacted with aquifer materials apparently increases the sorbent affinity for the hydrophobic micropollutants. The combination of these two mechanisms affected the observed distribution coefficients within a factor of two, in some cases increasing and in other cases decreasing the sorption of the chemicals. No means for prediction of the effect is currently available, but from a practical point of view, the effect of landfill leachate on retardation of organic micropollutants in aquifer material seems limited. (Copyright (c) 1992 Elsevier Science Publishers B.V.)

Keywords: *Organic compounds, *Waste disposal, *Earth fills, *Land pollution, *Aquifers, *Environmental transport, Experimental design, Subsurface investigations, Porous media, Leaching, Partition functions, Water pollution, Sorption, Hydrology, Reprints, *Dissolved organic carbon.

PB92-198605/REB PC **A02**/MF **A01**
Safe Drinking Water from Small Systems: Treatment Options. Journal article.
Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.
J. A. Goodrich, J. Q. Adams, B. W. Lykins, and R. M. Clark. cMay 92, 9p EPA/600/J-92/236
Pub. in Jnl. of American Water Works Association, p49-55 May 92.

Bringing small water systems into compliance with the ever-increasing number of regulations will require flexibility in terms of technology application and institutional procedures. The article looks at the means by which small systems can provide safe drinking water, focusing on the advantages, disadvantages, and costs of several treatment options--full-scale conventional treatment, centrally located package plants, and point-of-use or point-of-entry devices, for various scenarios.

Keywords: *Potable water, *Water treatment, *Regulations, Packaged sewage plants, Aeration tanks, Trickling filters, Safety, Technology assessment, Sites, Ozone, Ultraviolet radiation, Filtration, State government, Legislation, Reliability, Cost analysis, *Small water systems, *Drinking water, Ultrafiltration.

PB92-198613/REB PC **A03**/MF **A01**
Review of Di(2-Ethylhexyl)Phthalate (DEHP) Risk Assessments. Journal article.
Environmental Protection Agency, Washington, DC. Office of Health and Environmental Assessment.
R. Beliles, J. Salinas, and W. Kluwe. cFeb 89, 12p EPA/600/J-92/237, OHEA-C-467
Presented at the EPA Workshop on DEHP Risk Assessment, Bethesda, Maryland, April 19-20, 1988.
Pub. in Drug Metabolism Reviews, v21 n1 p3-12 1989. Prepared in cooperation with California Dept. of Health Services, Sacramento, and Battelle Columbus Labs., OH.

Di(2-ethylhexyl)phthalate (DEHP) is the prototype compound of a class of compounds known collectively as the phthalate esters. Lifetime bioassays in rats and mice have indicated that DEHP produces liver tumors in these species when incorporated into the diet. The result has led governmental agencies and representatives of the private sector to attempt to estimate potential human cancer risks from exposure to DEHP and related phthalates in the environment. At least five such assessments have been conducted, each of which comes to a different conclusion regarding the magnitude of human cancer risks. In April 1988, the U.S. Environmental Protection Agency convened a workshop on DEHP risk assessment to compare five assessments of DEHP, to identify the reasons for the differences among them, and to discuss the use of pharmacokinetics and mechanistic information in the assessment of human health risk.

Keywords: *Diethylhexyl phthalates, *Toxicity, *Environmental pollutants, Risk assessment, Liver neoplasms, Rats, Mice, Health hazards, Humans, Adenoma, Carcinoma, Reprints.

PB92-198621/REB PC **A06**/MF **A02**
Consideration of the Target Organ Toxicity of Trichloroethylene in Terms of Metabolite Toxicity and Pharmacokinetics. Journal article.
Environmental Protection Agency, Washington, DC. Office of Health and Environmental Assessment.
I. W. F. Davidson, and R. P. Beliles. c1992, 108p EPA/600/J-92/238, OHEA-C-466
Pub. in Drug Metabolism Reviews, v23 n5-6 p493-599 1991. Prepared in cooperation with Bowman Gray School of Medicine, Winston-Salem, NC.

Trichloroethylene (TRI) is readily absorbed into the body through the lungs and gastrointestinal mucosa. Exposure to TRI can occur from contamination of air, water, and food; and the contamination may be sufficient to produce adverse effects in the exposed populations. Elimination of TRI involves two major processes: pulmonary excretion of unchanged TRI and relatively rapid hepatic biotransformation to urinary metabolites. The principal site of metabolism of TRI is the liver, but the lung and possibly other tissues also metabolize TRI, and dichlorvinyl-cysteine (DCVC) is formed in the kidney. The toxicities associated with TRI exposure are considered to reside in its reactive metabolites. The mutagenic and carcinogenic potential of TRI is also generally thought to be due to reactive intermediate biotransformation products rather than the parent molecule itself.

Keywords: *Trichloroethylene, *Toxicity, *Pharmacokinetics, *Metabolism, Laboratory animals, Dose-response relationships, Environmental exposure pathways, Biotransformation, Urine, Humans, Mutagens, Carcinogens, Liver, Lung, Kidney, Reprints.

PB92-198639/REB PC **A03**/MF **A01**
Control of Alkaline Phosphatase Activity in C3H10T1/2 Cells: Role of Retinoic Acid and Cell Density. Journal article.
Environmental Protection Agency, Washington, DC. Office of Health and Environmental Assessment.
D. H. Reese, R. A. Larsen, and F. J. Hornicek. cSep 91, 12p EPA/600/J-92/239, OHEA-R-447
Pub. in Jnl. of Cellular Physiology, v151 p239-248 1992. Prepared in cooperation with AScI Corp., McLean, VA.

The authors have begun to use the chemically-transformable mouse embryo fibroblast cell, C3H10T1/2, to investigate that altered AP expression in some cancers may be caused by a defect in the ability of the cells to respond normally to retinoid. In the initial study they characterized AP regulation in normal C3H10T1/2 cells and show that: (1) RA increases AP activity within 3-4 h in serum-free medium; (2) serum inhibits short-term induction (0-8 h) in a concentration-dependent manner (10% serum causes complete inhibition); (3) during long-term RA exposure (24 h and 48 h), induction can be detected in serum-containing medium; (d) AP induction is dose related in serum-free medium; (5) ten to the minus fifth power M RA is ineffective at inducing AP in serum-free medium during 8 h but is the most effective concentration in serum-containing medium during 24 h and 48 h exposures; (6) AP inducibility by RA requires near-confluent cell densities; and, (7) when cultures become confluent, cells become constitutive for AP and no longer require RA for enzyme expression.

Keywords: *Tretinoin, *Alkaline phosphatase, Cells(Biology), Mice, Neoplasms, Serum-free media, Up-regulation(Physiology), Enzyme induction, Dose-response relationships, Reprints.

PB92-198647/REB PC **A03**/MF **A01**
Physiologically Based Kinetic Model of Rat and Mouse Gestation: Disposition of a Weak Acid. Journal article.
Environmental Protection Agency, Washington, DC. Office of Health and Environmental Assessment.
E. J. O'Flaherty, W. Scott, C. Schreiner, and R. P. Beliles. cOct 91, 14p EPA/600/J-92/240, OHEA-C-021
Grant EPA-R-815820-01
Prepared in cooperation with Cincinnati Univ., OH. Coll. of Medicine, and Children's Hospital Research Foundation, Cincinnati, OH.

A physiologically based toxicokinetic model of gestation in the rat and mouse has been developed. The gestation model is based on published values of organ volumes and blood flows for the rat throughout pregnancy. It is scaled to the mouse using conventional scaling procedures. Its descriptive utility has been examined with the test chemical 5,5'-dimethyloxadolidine-2,4-dione (DMO), a weak acid that is not bound measurably in plasma or tissues and is eliminated by excretion in the urine. Concentrations of DMO were monitored in maternal rat and embryo plasma and in homogenates of maternal rat muscle and whole embryo after ip administration at 9:00 AM on Day 13 of gestation. On the basis that distribution of DMO is determined solely by its pK and the pH's of body fluids, pH and excretion rate values were estimated by visual optimization of model predictions to the concentration profile.

Keywords: *Toxicology, *Animal pregnancy, *Pharmacokinetics, Biological models, Rats, Mice, Teratogenic compounds, Acids, Regional blood flow, Fetus, Reprints, *Dimethyloxazolidinedione.

PB92-201110/REB PC **A05**/MF **A01**
Environmental Protection Agency, Cincinnati, OH. Center for Environmental Research Information.
Vitrification Technologies for Treatment of Hazardous and Radioactive Waste.
Equity Associates, Inc., Knoxville, TN.
T. Voskuil. Apr 92, 90p EPA/625/R-92/002
Contract EPA-68-CO-0013
Sponsored by Environmental Protection Agency, Cincinnati, OH. Center for Environmental Research Information.

The applications and limitations of vitrification technologies for treating hazardous and radioactive waste are presented. Several subgroups of vitrification technologies exist. Discussions of glass structure, applicable

waste types, off gas treatment, testing and evaluation procedures, and economics are presented.

Keywords: *Waste treatment, *Radioactive wastes, *Hazardous materials, *Vitrification, *Handbooks, Glass, Air pollution control, Economic analysis, Molecular structure, Physical properties, Chemical properties, Leaching.

PB92-201128/REB PC **A06**/MF **A02**
Department of Energy, Washington, DC.
Modeling Radon Entry into Florida Houses with Concrete Slabs and Concrete-Block Stem Walls.
Final rept. Mar-Dec 90.
Lawrence Berkeley Lab., CA. Applied Science Div.
K. L. Revzan, W. J. Fisk, and R. G. Sexton. Jun 92, 106p EPA/600/R-92/119
Contract DE-AC03-76SF00098
Sponsored by Department of Energy, Washington, DC., Florida Dept. of Community Affairs, Tallahassee, and Environmental Protection Agency, Research Triangle Park, NC. Air and Energy Engineering Research Lab.

The report discusses results of modeling radon entry into a typical Florida house whose interior is slightly depressurized. The model predicts that the total radon entry rate is relatively low unless the soil or backfill permeability or radium content is high. For a fixed soil permeability, the total radon entry rate may be reduced by a factor of 2 or more by (1) decreasing the backfill permeability, (2) making the stem wall impermeable and gap-free (possibly by constructing a one-piece slab/stem-wall footing), or (3) increasing the pressure in the interior of the stem wall (by ensuring that there is a large pressure drop across the slab/stem-wall gap). The part of the house included in the model consists of a concrete slab supported by a permeable concrete-block stem wall and a concrete footing. A region of undisturbed soil extending 10 m beyond and below the footing is also included. The Laplace equation, resulting from Darcy's law and the continuity equation, and the mass-transport equation are solved using a steady-state finite-difference model to determine the pressure and radon concentration fields in the soil. The house and soil are represented as cylindrically symmetric.

Keywords: *Radon, *Mathematical models, *Houses, *Indoor air pollution, *Air pollution control, *Permeability, Concrete slabs, Concrete blocks, Florida, Stationary sources, *Mass transfer, *Soil gas.

PB92-201136/REB PC **A10**/MF **A03**
Environmental Protection Agency, Research Triangle Park, NC. Air and Energy Engineering Research Lab.
Demonstration of Sorbent Injection Technology on a Wall-Fired Utility Boiler (Edgewater Limb Demonstration). Final rept. Sep 84-Jun 89.
Babcock and Wilcox Co., Barberton, OH.
P. S. Nolan, T. W. Becker, P. P. Rodemeyer, and E. J. Prodesky. Jun 92, 211p EPA/600/R-92/115
Contract EPA-68-02-4000
Sponsored by Environmental Protection Agency, Research Triangle Park, NC. Air and Energy Engineering Research Lab.

The report gives results of the full-scale demonstration of Limestone Injection Multistage Burner (LIMB) technology on the coal-fired, 105 MW, Unit 4 boiler at Ohio Edison's Edgewater Station. Developed as a technology aimed at moderate levels of sulfur dioxide (SO2) and nitrogen oxides (NOx) emissions control for relatively low-cost retrofit applications on older plants, LIMB operation at a calcium to sulfur (Ca/S) molar ratio of 2.0 is shown to be capable of achieving about 55 to 72% SO2 removal. Sorbents tested included a commercial calcitic hydrated lime, both with and without a small amount of calcium lignosulfonate, a material added to improve reactivity. Results are given for humidification of the flue gas both to an 11 C approach to the saturation temperature and for minimal humidification. The performance of the XCL low-NOx burners, with an overall emission of 206 ng/J is also presented. The report also discusses the impact of LIMB technology on boiler and plant operations.

Keywords: *Air pollution control, *Boilers, Sulfur dioxide, Nitrogen oxides, Sorbents, Electric utilities, Humidification, Particles, Ashes, Flue gases, Limestone injection, Cost analysis, Performance evaluation, Design criteria, Electrostatic precipitators, *Limestone Injection Multistage Burners, Flue gas desulfurization.

PB92-201144/REB PC **A05**/MF **A02**
Environmental Monitoring Systems Lab., Las Vegas, NV.
Guide to Selected National Environmental Statistics in the U.S. Government.
Environmental Protection Agency, Washington, DC. Office of Policy, Planning and Evaluation.
Apr 92, 100p* EPA/230/R-92/003
Sponsored by Environmental Monitoring Systems Lab., Las Vegas, NV.

The Guide is a reference to national-level, time-series environmental statistics that are compiled and distributed by the U.S. government on a regular basis. It is a guide to statistical programs and the primary and secondary summary statistics they generate, not a guide to raw data or databases. The Guide includes references to statistical programs that characterize and/or monitor the state of the natural environment, those that study underlying and proximate pressures on the environment, and those that assess societal impacts on the environment and environmentally-mediated impacts on society. These include: statistical programs on environmental quality such as ambient air and water quality and on natural resources such as water resources and land use; statistical programs on environmental pressures such as energy, mining, agriculture, manufacturing, transportation, and other human activities that have direct impacts on the environment; and statistical programs on human and institutional responses to environmental problems such as activities and expenditures to prevent or control pollution, establish parks and protected areas, protect critical ecosystems, fight forest fires, and manage fisheries.

Keywords: *Environmental impacts, *Statistical data, *Government agencies, *United States Government, Programs, Environmental monitoring, Environmental quality, Documents, Data bases, Directories.

PB92-201458/REB PC **A10**/MF **A03**
Transportation and Air Quality Planning Guidelines, 1992.
Environmental Protection Agency, Ann Arbor, MI. Office of Mobile Sources.
Jul 92, 215p* EPA/420/R-92/001

The 1990 Clean Air Act Amendments (CAAA) direct the Administrator of the Environmental Protection Agency (EPA) to 'update the 1978 Transportation and Air Quality Planning Guidelines and publish guidance on the development and implementation of transportation and other measures necessary to demonstrate and maintain attainment of national ambient air quality standards.' The document provides guidelines and guidance to State and local government officials to assist them in planning for transportation related emissions reductions that will contribute to the attainment and maintenance of the national ambient air quality standards (NAAQS) for ozone, carbon monoxide and particulate matter (PM10).

Keywords: *Air quality, *Guidelines, *National Ambient Air Quality Standards, *Air pollution standards, *Transportation planning, Inspection, Clean Air Act, US EPA, Revisions, State government, Maintenance, Local government, Ozone, Carbon monoxide, Particulates, Exhaust emissions, Case studies.

PB92-203116/REB PC **A09**/MF **A02**
Environmental Protection Agency, Research Triangle Park, NC. Air and Energy Engineering Research Lab.
Landfill Gas Energy Utilization: Technology Options and Case Studies. Final rept. Mar 91-Mar 92.
EMCON Associates, San Jose, CA.
D. Augenstein, and J. Pacey. Jun 92, 190p EPA/600/R-92/116
Contract EPA-68-D1-0146
See also PB92-137520. Sponsored by Environmental Protection Agency, Research Triangle Park, NC. Air and Energy Engineering Research Lab.

The report discusses technical, environmental, and other issues associated with using landfill gas as fuel, and presents case studies of projects in the U.S. illustrating some common energy uses. The full report begins by covering basic issues such as gas origin, composition, and means of collection; environmental and regulatory background is presented. Properties of landfill gas as a fuel are reviewed; equipment that can utilize landfill gas is discussed. The report then describes experience with six projects in the U.S. where landfill gas has been used for energy. It also references literature on other landfill gas energy projects of interest. Conclusions regarding uses of landfill gas for energy are presented.

Keywords: *Sanitary landfills, *Methane, Research management, Technology assessment, Boilers, Cost analysis, Project planning, Case studies, Energy recovery, Equipment, Electric power, Power generation, *Landfill gas.

PB92-203496/REB PC **A11**/MF **A03**
Environmental Protection Agency, Washington, DC. Office of Solid Waste.
Development of a Solid Sample Analytical Procedure for Cyanide in Spent Ore. Final Technical Report.
South Dakota School of Mines and Technology, Rapid City.
A. D. Davis, A. Heriba, and B. L. Davis. 7 Jun 91, 239p EPA/530/R-92/006
Grant EPA-CX-816270-01-0
See also PB-289 920. Sponsored by Environmental Protection Agency, Washington, DC. Office of Solid Waste, South Dakota Dept. of Environment and Natural Resources, Pierre, and Western Governors' Association, Denver, CO.

The research was undertaken to develop a solid sample analytical procedure for cyanide in spent ore, in order to predict cyanide levels that could be expected in leachate from spent ore depositories under designated treatment criteria. Three methods were tested for extracting cyanide from spent ore samples in the laboratory under controlled conditions. These methods were: multi-column, in-series leaching, representing a 36-foot thick heap; single-column leaching, recirculating the leachate several times in a 6-ft. column; and bottle-roll samples, in batches using deionized water and 1.25 normal NaOH, for rolling periods of one day, 30 days, 60 days and 90 days.

Keywords: *Cyanides, *Leaching, *Metalliferous minerals, *Extraction columns, Gold ores, Silver ores, Chemical analysis, Technology assessment, Toxic materials, Tables(Data), *Mineral wastes, *Contaminants.

PB92-204585/REB PC **A03**/MF **A01**
Evaluation of a Schatz Heat Battery on a Flexible-Fueled Vehicle. Phase 2. Technical rept.
Environmental Protection Agency, Ann Arbor, MI. Technology Development Group.
G. K. Piotrowski, and R. M. Schaefer. Jun 92, 50p EPA/AA/TDG-92/03
See also PB92-114255.

The report describes the evaluation of a Schatz Heat Battery as a means of reducing cold start emissions from a vehicle fueled alternately with indolene clear and M85 high methanol blend fuels. The evaluation was conducted at both 20 and 75 F ambient temperature. The report includes a description of the Schatz Heat Battery, the test vehicle, test facilities, test procedures and a discussion of the test results.

Keywords: *Automotive fuels, *Thermal batteries, *Exhaust emissions, *Engine tests, Waste heat, Waste utilization, Carbon monoxide, Nitrogen oxides, Gasoline, Methanol, *Schatz heat batteries.

PB92-205228/REB PC **A02**/MF **A01**
Environmental Protection Agency, Research Triangle Park, NC. Air and Energy Engineering Research Lab.
Fuel Rich Sulfur Capture in a Combustion Environment. Journal article.
Utah Univ., Salt Lake City. Dept. of Chemical Engineering.
E. R. Lindgren, D. W. Pershing, D. A. Kirchgessner, and D. C. Drehmel. c1992, 9p EPA/600/J-92/267
Pub. in Environmental Science and Technology, v26 n7 p1427-1433 Jul 92. Sponsored by Environmental Protection Agency, Research Triangle Park, NC. Air and Energy Engineering Research Lab.

The paper discusses the use of a refactory-lined, natural gas furnace to study the fuel-rich sulfur capture reactions of calcium sorbents under typical combustion conditions. The fuel-rich sulfur species hydrogen sulfide and carbonyl sulfide were monitored in a nearly continuous fashion using a gas chromatograph equiped with a flame photometric detector and an automatic system that sampled every 30 seconds. Below the fuel-rich zone, 25% excess air was added,

and the ultimate fuel-lean capture was simultaneously measured using a continuous sulfur dioxide monitor. Under fuel-rich conditions, high levels of sulfur capture were obtained, and calcium utilization increased with sulfur concentration. The ultimate lean capture was found to be weakly dependent on sulfur concentration and independent of the sulfur capture level obtained in the fuel-rich zone.

Keywords: *Combustion products, *Gas furnaces, *Pollution control, Refractory coatings, Natural gas, Hydrogen sulfide, Gas chromatography, Sorbents, Calcium carbonates, Sulfur dioxide, Monitoring, Concentration(Composition), Reprints, Carbonyl sulfide.

PB92-205236/REB PC **A03**/MF **A01**
Osmoregulatory Failure and Death of First-Year Largemouth Bass 'Micropterus salmoides' Exposed to Low pH and Elevated Aluminum, at Low Temperatures in Soft Water. Journal article.
Environmental Research Lab.-Duluth, MN.
J. H. McCormick, and K. M. Jensen. c1992, 12p EPA/600/J-92/268
Pub. in Canadian Jnl. of Fisheries and Aquatic Sciences, v49 n6 p1189-1197 1992. Prepared in cooperation with ASci Corp., Duluth, MN.

Young-of-the-year largemouth bass (Micropterus salmoides) were exposed to pH levels from 8.0 to 4.5 in two water types, 1.5 and 13.4 mg Ca/L. Exposures were conducted at 3.8 deg C for 113 d, followed by 14 d of increasing temperature to 18 deg C. Two treatments in the softer water, one each at pH 5.0 and 4.5, had Al added to attain 30 micrograms Al/l; all other treatments were at approximately 5 micrograms Al/l. The condition factor of fish in all treatment groups declined with exposure time at 3.8 deg C. Fish in the 13.4 mg Ca/L water maintained osmotic homeostasis through pH 5.0 In the 1.5 mg Ca/l water, osmotic homeostasis was lost at pH 4.5 and at pH 5.0 when Al was added. Mortalities were most prevalent when exposed in the 1.5 mg Ca/l water with added Al. The probability of survival was directly correlated with blood osmolality; no correlation was found between survival probability and condition factor. A rise in blood osmolality occurred among fish from most exposure groups when the temperature was increased to 18 deg C. When fish from these chronic treatments were challenged at pH 3.8, they had shorter survival times in the softer water and after longer preexposures.

Keywords: *Bass, *Exposure, *Acidification, *Water pollution effects, Fresh water fishes, pH, Temperature, Mortality, Survival, Blood, Osmosis, Homeostasis, Graphs(Charts), Reprints, *Micropterus salmoides, Largemouth Bass, Osmolality.

PB92-205640/REB PC **A03**/MF **A01**
Robert S. Kerr Environmental Research Lab., Ada, OK.
Multiphase Chemical Transport in Porous Media. Environmental research brief.
Princeton Univ., NJ. Dept. of Civil Engineering and Operations Research.
J. F. Guarnaccia, P. T. Imhoff, B. C. Missildine, M. Oostrom, and M. A. Celia. Mar 92, 21p EPA/600/S-92/002
Grant EPA-R-814946
Prepared in cooperation with Auburn Univ., AL. Dept. of Agronomy and Soils, and Vermont Univ., Burlington. Sponsored by Robert S. Kerr Environmental Research Lab., Ada, OK.

The contamination of groundwater by denser-than-water nonaqueous phase liquids (DNAPLs) is a well-documented problem of nationwide scope. Simulation of such contamination is limited both by fundamental understanding of the processes involved and by the lack of appropriate simulation models. An empirical, mass transfer relationship of the dissolution of DNAPL in porous media was developed and experimental techniques were developed for measuring the mass transfer coefficient. A new technique was developed for measuring the DNAPL phase flow parameters (capillary pressure-saturation curves), which eliminated the effects of sample size on the measured curves. Simulation of the flow and dissolution of the DNAPL was accomplished by an efficient collocation based algorithm which was well suited for parallel processing. The model was used to simulate the experimental dissolution occurring during the measurement of the mass transfer coefficient. Good agreement between the model and the experimental data was obtained.

Keywords: *Water pollution, *Ground water, *Mathematical models, *Environmental transport, *Porous media, Mass transfer, Two phase flow, Long term effects, Subsurface investigations, Saturation, Capillary pressure, Experimental design, Dissolving, Comparison, Ethylene/trichloro, *Denser-than-water nonaqueous phase liquids(DNAPL.

PB92-205657/REB PC **A04**/MF **A01**
Technical Support Services for Superfund Site Remediation and RCRA Corrective Action. Third Edition. Final rept.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
Mar 92, 54p EPA/540/8-91/091

A directory of technical support services available to EPA field staff to enable them to quickly identify resources which may be useful in solving a specific hazardous waste clean-up problem. Rather than an exhaustive inventory of all sources of technical information, the publication highlights the significant EPA technical assistance programs - those that have procedures in place to process requests for assistance (e.g. answering a technical question, providing staff to work on the problem, or referring callers to the appropriate source). Categories of services advertised include technical support sources and brokers, automated information systems, publications, and a variety of other organizational sources of information.

Keywords: *Superfund, *Remedial action, *Waste management, *Hazardous materials, *Directories, Technology assessment, US EPA, Appropriate technology, Information transfer, Information systems, Documents, Sources, *Resource Conservation and Recovery Act, Cleanup operations.

PB92-205665/REB PC **A17**/MF **A04**
Environmental Protection Agency, Washington, DC. Office of Health and Environmental Assessment.
Dermal Exposure Assessment: Principles and Applications. Interim rept.
Versar, Inc., Springfield, VA.
Jan 92, 392p EPA/600/8-91/011B, , OHEA-E-367
Contract EPA-68-D00101
Sponsored by Environmental Protection Agency, Washington, DC. Office of Health and Environmental Assessment.

The purpose of the document is to describe the principles of dermal absorption and show how to apply these principles in actual human exposure scenarios. The primary focus of the document is on dermal contact with water, soils and vapors. For each of these media, the experimental data on the dermal properties of specific compounds are summarized and methods are provided for predicting these properties when data is lacking. Additionally, scenario factors describing the frequency, duration and intensity of contact are presented for the soil and water media.

Keywords: *Skin(Anatomy), *Exposure, Water pollutants, Environmental exposure pathways, Aging(Biology), Mathematical models, In vivo analysis, Metabolism, In vitro analysis, Permeability, Humans, Animals, Diffusion, Tetrachlorodibenzodioxin, Polychlorobiphenyl compounds, Toxicity, Hexanes, Soil contamination.

PB92-205848/REB PC **A06**/MF **A02**
Environmental Protection Agency, Research Triangle Park, NC. Atmospheric Research and Exposure Assessment Lab.
Protocols for Evaluating Oxidant Mechanisms for Urban and Regional Models. Rept. for Apr 89-Apr 92.
North Carolina Univ. at Chapel Hill. Dept. of Environmental Sciences and Engineering.
H. E. Jeffries, M. W. Gery, and W. P. L. Carter. Jun 92, 102p EPA/600/R-92/112
Sponsored by Environmental Protection Agency, Research Triangle Park, NC. Atmospheric Research and Exposure Assessment Lab.

Procedures have been developed for evaluating chemical kinetics mechanisms that are candidates for use in urban and regional air quality simulation models. To accomplish the goal, a task force of experimentalists and modelers was assembled to address issues related to developing protocols for evaluating mechanisms against smog chamber data. The efforts of the task force were scrutinized in two workshops attended by national and international experts on smog chamber experimentation and model development. Based on the work undertaken by the task force and the input received from the committee of experts, a protocol was formulated that involves testing mechanisms against a standard data base of smog chamber experiments. The protocol describes the types and number of chamber experiments that should be used in the evaluation and how the evaluation should be conducted.

Keywords: *Reaction kinetics, *Oxidants, *Air pollution, Urban areas, Mathematical models, Experimental data, Smog, Ionization chambers, Regional planning, Nitrogen oxides, Volatile organic compounds, Performance evaluation, Acceptability, Tests, Data base, Standards, *Air quality data.

PB92-205855/REB PC **A07**/MF **A02**
Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.
Technology Evaluation Report: SITE Program Demonstration Test Horsehead Resource Development Company, Inc., Flame Reactor Technology, Monaca, Pennsylvania.
PRC Environmental Management, Inc., Houston, TX.
K. Partymiller, J. Brunner, J. Fishstrom, T. Gardner, and B. Jones. Jul 92, 128p EPA/540/5-91/005
Contract EPA-68-CO-0047
Sponsored by Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.

A SITE demonstration of the Horsehead Resource Development (HRD) Company, Inc. Flame Reactor Technology was conducted in March 1991 at the HRD facility in Monaca, Pennsylvania. For the demonstration, secondary lead smelter soda slag was treated to produce a potentially recyclable lead- and zinc-enriched oxide product and a nonhazardous (based on the regulatory requirements of the Toxicity Characteristic test) effluent slag. The lead and zinc in the oxide product were concentrated about threefold from the feed concentrations. The effluent slag was determined to be nonhazardous based on extraction by the Toxicity Characteristic Leaching Procedure. Potential wastes that might be treated include industrial residues, Resource Conservation and Recovery Act wastes, Superfund wastes, and other wastes contaminated with metals and organic wastes.

Keywords: *Hight temperature tests, *Industrial waste treatment, Slag, Lead(Metal), Zinc oxides, Thermal recovery methods, Regulations, Toxicity, Field tests, Leaching, Organic compounds, *SITE program, Flame reactor, *Superfund, Monaca(Pennsylvania).

PB92-206150/REB PC **A12**/MF **A03**
Office of Radiation Programs, Washington, DC.
National Radon Contractor Proficiency (RCP) Program. Proficiency Report, July 1992.
ICF, Inc., Fairfax, VA.
Jul 92, 254p EPA/402/R-92/006
Contract EPA-68-D90170
See also PB92-120914. Sponsored by Office of Radiation Programs, Washington, DC.

The primary objective of the U.S. Environmental Protection Agency's (EPA) efforts to address the indoor radon problem is to reduce radon levels in buildings throughout the country. Achieving this objective requires a nationwide supply of capable radon mitigation contractors. In the Indoor Radon Abatement Act of 1988, Congress authorized EPA to establish a program to evaluate radon mitigation contractors and to provide this information to the public in cooperation with the States. The Radon Contractor Proficiency (RCP) Program was developed to assist States, EPA Regions, local government officials, and the public in selecting contractors who have demonstrated their proficiency in reducing indoor radon levels. This program is managed by the EPA Office of Radiation Programs' Radon Division. Under this voluntary program, radon contractors demonstrate their proficiency by meeting specific Program requirements. Individual contractors who meet these requirements are then listed in the Report.

Keywords: *Radon, *Contractors, *Mitigation, *Indoor air pollution, *Air pollution abatement, Directories, Public information, US EPA, Listings, Tables(Data), State government, Requirements, Regional analysis, Buildings, Performance standards, *National Radon

Contractor Proficiency Program, Indoor Radon Abatement Act of 1988.

PB92-206176/REB PC **A06**/MF **A02**
Indoor Radon and Radon Decay Product Measurement Device Protocols.
Office of Radiation Programs, Washington, DC.
Jul 92, 109p EPA/402/R-92/004
See also PB90-224273.

The report provides information, recommendations and technological guidance for anyone providing measurement services using 15 radon decay product measurement methods. The EPA has evaluated these techniques and found them to be satisfactory. These protocols provide method-specific procedures that can be used as the basis for standard operating procedures.

Keywords: *Radon, *Indoor air pollution, *Daughter products, *Radiation measuring instruments, Performance standards, Decay, Quality assurance, Radiation monitors, Radiation detectors, Concentration(Composition), Calibrating, *Protocols.

PB92-206200/REB PC **A03**/MF **A01**
Environmental Research Lab., Athens, GA.
Predicting the Precipitation of Acid and Direct Dyes in Natural Waters. Journal article.
Georgia Univ., Athens. Dept. of Textiles, Merchandising and Interiors.
M. Hou, and G. L. Baughman. c1992, 14p EPA/600/J-92/245
Grant EPA-R-812638
Pub. in Dyes and Pigments, v18 n1 p35-46 Jan 92. Sponsored by Environmental Research Lab., Athens, GA.

A simple screening test was used to determine whether acid and direct dyes precipitate at calcium concentrations typical of hard waters in the Southeastern Piedmont region of the United States. Of 52 dyes tested, only three direct dyes (Direct Black 19, Direct Black 22, and Direct Blue 75) and seven acid dyes (Acid Red 88, Acid Red 114, Acid Red 151, Acid Brown 14, Acid Black 24, Acid Orange 8, and Acid Blue 1130 precipitated. Structures of all but three of the dyes, or ligands in the case of complexes, are in the literature. Conditional solubility-product constants (Ksp) of calcium salts also were determined by titrimetric and batch-equilibration methods for five of the dyes (Acid Red 114, Acid Red 151, Acid Orange 8, Acid Blue 113, and Direct Yellow 28). Monitoring data show that maximum calcium concentrations in Southeastern Piedmont waters are approximately 0.002M and thus unlikely to precipitate most dyes of the types represented. (Copyright (c) 1992 Elsevier Science Publishers Ltd, England.)

Keywords: *Dyes, *Acidification, *Surface waters, *Water pollution, *Toxicity, Precipitation(Chemistry), Calcium carbonates, Solubility, Concentration(Composition), Textile industry, pH, Reprints, Southeast Piedmont Region(United States).

PB92-206218/REB PC **A02**/MF **A01**
Environmental Research Lab., Athens, GA.
System for Control of River Water Quality for the Community of Madrid Using QUAL2E. Journal article.
Canal de Isabel II, Madrid (Spain). Div. de Estadistica y Modelos.
F. Cubillo, B. Rodriguez, and T. O. Barnwell. c1992, 9p EPA/600/J-92/244
Pub. in Water Science and Technology, v26 n7-8 p1867-1873 1992. See also PB87-202156. Sponsored by Environmental Research Lab., Athens, GA.

The Stream Water Quality Model QUAL2E has been applied to the major rivers of the Comunidad de Madrid in Spain by Canal de Isabel II. Canal de Isabel II is the company responsible for management of Madrid's water supply and waste treatment system. Initially, the model was applied in planning a waste treatment expansion program. Now, QUAL2E is being used to assist in the management of waste treatment plants and in the evaluation of river water quality controls. To facilitate interaction with the model, a comprehensive user interface specific to the Madrid network was written. The paper discusses the unique water quality problems of Madrid, shows how the QUAL2E model was calibrated and verified on the rivers of Madrid, and describes the user interface developed to allow interaction with the model by decision makers in the regional government of Madrid. (Copyright (c) 1992 IAWPRC.)

Keywords: *Water quality management, *Stream pollution, *Computerized simulation, *Waste management, *Rivers, Spain, Water pollution, Water supply, Waste treatment, Decision making, Regional analysis, Reprints, *QUAL2E model, *Comunidad de Madrid(Spain), QUAL2E computer program.

PB92-206226/REB PC **A03**/MF **A01**
Environmental Research Lab., Athens, GA.
Temperature and Conductivity Modeling for the Buffalo River. Journal article.
AScI Corp., Athens, GA.
P. F. Wang, and J. L. Martin. c1991, 12p EPA/600/J-92/243
Contract EPA-68-03-3551
Pub. in Jnl. of Great Lakes Research, v17 n4 p495-503 1991. Sponsored by Environmental Research Lab., Athens, GA.

A hydrodynamic and water quality transport study of the Buffalo River has been conducted. Using a two-dimensional (laterally averaged) model and incorporating appropriate specification of boundary conditions, the authors simulated the transport of river water temperature and conductivity for the period of June-August 1988. The model results are compared with measurements for both temperature and conductivity. Stratification patterns are well described by the model. The results also suggest that heat flux through the water surface is primarily responsible for stratification during the heating process in the summer. The simulated conductivity compares well with the measurement for most situations, but underestimates in regions close to the mouth. Such discrepancies are attributed to neglecting point and non-point source loadings in the simulation.

Keywords: *Hydrodynamics, *Water pollution, *Buffalo River, Environmental transport, Mathematical models, Temperature, Conductivity, Stratification, Heating, Tables(Data), Reprints, Nonpoint source, Erie County(New York).

PB92-206234/REB PC **A02**/MF **A01**
Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.
Hydrogenase-Linked Gene in 'Methanobacterium thermoautotrophicum' Strain DeltaH Encodes a Polyferredoxin. Journal article.
Ohio State Univ., Columbus. Dept. of Microbiology.
J. N. Reeve, G. S. Beckler, D. S. Cram, P. T. Hamilton, and J. W. Brown. c1989, 7p EPA/600/J-92/242
Grant EPA-R-812774
Pub. in Proceedings of the National Academy of Science, v86 p3031-3035 May 89. Prepared in cooperation with Massachusetts Inst. of Tech., Cambridge. Dept. of Chemistry, and Harvard Medical School, Boston, MA. Dept. of Biological Chemistry and Molecular Pharmacology. Sponsored by Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.

The genes, mvhDGA which encode the subunit polypeptides of methyl viologen reducing hydrogenase in Methanobacterium thermoautotrophicum strain DeltaH have been cloned and sequenced. These genes, together with a fourth open reading frame designated mvhB, are tightly linked and appear to form an operon which is transcribed starting 42bp upstream of mvhD. The organization and sequences of the mvhG and mvhA genes indicate a common evolutionary ancestry with genes encoding the small and large subunits of hydrogenases in eubacterial species. The product of the mvhB gene is predicted to contain six tandomly-repeated, bacterial ferredoxin-like domains and is therefore predicted to be a poly-ferredoxin which could contain as many as 48 iron atoms in 12 Fe4S4 clusters.

Keywords: *Methanogenic bacteria, *Hydrogenase, *Ferredoxins, *Bacterial genes, Molecular cloning, Open reading frames, Molecular sequence data, Nucleic acid sequence homology, Reprints, *Methanobacterium thermoautotrophicum.

PB92-206242/REB PC **A02**/MF **A01**
Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.
European Packaging Initiatives: Leading the Way on Source Reduction. Journal article.
INFORM, Inc., New York.
B. K. Fishbein. c1992, 8p EPA/600/J-92/241
Grant EPA-R-817087
Pub. in Resource Recycling, North America's Recycling Jnl., v11 n3 8p Mar 92. Sponsored by Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.

The article describes European initiatives to reduce wastes and implement source reduction. Waste generation has increased in Europe and the United States under a system that does not affix the costs of managing waste materials to those who produce them. Packaging, which constitutes approximately one-third, by weight, of municipal solid waste in both the US and Europe, is the prime target. The countries of Europe are diverse and there are major differences in their approach to environmental problems. Germany and the Netherlands are two countries which are pioneers in developing new strategies to reduce waste. Germany has adopted dramatic legislation requiring those who create packaging to take it back and reuse or recycle it outside of the public waste management system. Methodology of definition and implementation are discussed with emphasis on mandatory compliance and challenges.

Keywords: *Pollution abatement, *Waste management, *Packaging, *Europe, *Waste recycling, United States, Municipal wastes, Waste utilization, Pollution regulations, Environmental policy, Reprints, *Foreign technology, *Source reduction, *Waste minimization.

PB92-206259/REB PC **A07**/MF **A02**
Environmental Monitoring Systems Lab., Cincinnati, OH.
Status Report on Planktonic Cyanobacteria (Blue-Green Algae) and Their Toxins.
Wright State Univ., Dayton, OH. Dept. of Biological Sciences.
W. W. Carmichael. Jun 92, 149p EPA/600/R-92/079
Sponsored by Environmental Monitoring Systems Lab., Cincinnati, OH.

Toxic blue-green algae (cyanobacteria) continue to be agents of certain water-based toxicoses. Their presence is now being acknowledged in many of the world's fresh and brackish waters with eutrophication status of meso to hypereutrophic. Dense surface scums called waterblooms will occur for a few days, weeks or months when temperature, nutrient and stratification status of these water bodies is appropriate. It is during these waterblooms that the concentration of toxins exceeds a level such that any animal can ingest an acutely lethal dose of toxic cells or toxins. Laboratory studies, using subacute levels of the main blue-green toxin group, have shown them to be a potent promoter of liver tumors. The report summarizes the present understanding on toxic blue-green algae and their toxins.

Keywords: *Bacteria, *Cyanophyta, *Toxicity, *Water pollution, Public health, Risk assessments, Humans, Animals, Plankton blooms, Toxins and antitoxins, Poisons, Laboratories, Blue green algae, Eutrophication.

PB92-206267/REB PC **A03**/MF **A01**
Comparison: Organic Emissions from Hazardous Waste Incinerators versus the 1990 Toxics Release Inventory Air Releases. Journal article.
Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.
C. R. Dempsey. cFeb 92, 17p EPA/600/J-92/246
Pub. in Jnl. of the Air and Waste Management Association, v92-42.01 p1-15. See also PB85-129492, PB87-228508, PB92-155381 and PB92-501816. Presented at the Annual Meeting and Exhibition (85th), Kansas City, MO., June 21-26, 1992.

Incineration is often the preferred technology for disposing of hazardous waste and remediating Superfund sites. The effective implementation of the technology is frequently impeded by strong public opposition to hazardous waste incineration (HWI). One of the reasons cited for the opposition is the perception that the emission of organics pose an unreasonable threat to human health. While numerous risk assessments for these facilities has demonstrated these risks are very low, this has not totally allayed some of the concerns. In order to put organic emissions in perspective, the mass of these emissions from the incineration of haz-

ardous waste has been estimated using 'reasonable worst-case' assumptions and compared to the 1990 Toxics Release Inventory (TRI) air releases. Comparisons were made for 15 carcinogenic organic compounds and 17 non-carcinogenic organic compounds. Ratios for all but one of these compound-specific HWI emissions to their corresponding TRI air releases ranged from 0.0003% to 0.746%. The total mass emissions (121.7 tons) of all 32 specific organics from HWIs was less than 0.03% of the corresponding 1990 TRI air releases (431,600 tons).

Keywords: *Hazardous materials, *Air pollution sampling, *Incineration, *Organic compounds, *Waste disposal, Public opinion, Superfund, Remedial action, Combustion efficiency, Implementation, Comparison, Mass transfer, Concentration(Composition), Risk assessment, Toxics Release Inventory.

PB92-206275/REB PC **A02**/MF **A01**
Biomethylation and Environmental Transport of Metals. Journal article.
Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.
S. Krishnamurthy. c1992, 7p EPA/600/J-92/247
Pub. in Jnl. of Chemical Education, v69 n5 p347-350 May 92.

The biological methylation of metals and their transport in the Environment are discussed. The methylating agents are methylcobalamin and methyl iodide. Methyl metals are more volatile than the parent metal ions, and they are lipid soluble. This change in physical properties render the methyl metals capable of transport in the media. The metals discussed include Mercury, Lead, Arsenic, Chromium, and Tin. The mechanism of biomethylation is discussed.

Keywords: *Heavy metals, *Toxic materials, *Methylation, *Environmental transport, Lead, Chromium, Tin, Mercury, Arsenic, Methyl radicals, Methyl iodide, Risk assessment, Physical properties, Reprints, *Biomethylation, Methylcobalamin.

PB92-206283/REB PC **A03**/MF **A01**
Health Effects Research Lab., Research Triangle Park, NC.
Efficient Multiple-Exposure Analysis of the Toxicity of Crisnatol: A DNA Intercalator in Phase 2 Clinical Trials. Journal article.
NSI Technology Services Corp., Research Triangle Park, NC.
R. M. Zucker, D. J. Adams, K. W. Bair, and K. H. Elstein. c1992, 17p EPA/600/J-92/248
Pub. in Investigational New Drugs, v10 n1 p1-15 Jun 92. Prepared in cooperation with Wellcome Research Labs., Research Triangle Park, NC., and ManTech Environmental Technology, Inc., Research Triangle Park, NC. Sponsored by Health Effects Research Lab., Research Triangle Park, NC.

To investigate the toxicity and mechanism of action of crisnatol (CRS), a new DNA intercalator currently in phase II clinical trials, the authors analyzed cellular and nuclear flow cytometric (FCM) parameters of murine erythroleukemic cells (MELC) exposed to a range of CRS concentrations over three exposure conditions: short-term (4 h), long-term (24 h), and short-term with recovery (4 h+/19h-). At 0.5-1.0 micromolar CRS, 4 h exposure results in a reversible G2-phase block, while 24 h exposure results in > G2 polyploidy. At 5-10 micromolar CRS concentrations, cells exhibit persistent retardation of S-phase progression or irreversible G2 and/or > G2 blocks, depending on duration of exposure. Cells terminally blocked in G2 exhibit increased nuclear/cellular volumes and increased nuclear fluorescein isothiocyanate (protein) staining, suggestive of unbalanced growth. At 25-50 micromolar CRS concentrations, MELC exhibit severe membrane perturbation (loss of viability) regardless of exposure. In contrast, following similar exposures to an inactive isomer of CRS, MELC exhibit minimal cell cycle effects, suggesting that cell cycle kinetics may be a useful criterion for assessing potential efficacy. Taken together, these results suggest that drug toxicity can vary with both concentration and duration of exposure and, as such, a selective multiple-exposure FCM analysis may better represent the spectrum of drug action for drug development and pharmacodynamic studies.

Keywords: *DNA insertion elements, *Toxicity, *Drug therapy, *Antineoplastic agents, Drug evaluation, Clinical trials, Cell cycle, Drug administration schedule, Flow cytometry, Cultured tumor cells, Acute erythroblastic leukemia, Reprints, *Crisnatol.

PB92-206291/REB PC **A02**/MF **A01**
Study Design Considerations in Developmental Neurotoxicology. Journal article.
Health Effects Research Lab., Research Triangle Park, NC. Neurotoxicology Div.
H. A. Tilson. c1992, 7p EPA/600/J-92/249
Pub. in Neruotoxicology and Teratology, v14 p199-203 1992.

It is widely accepted that exposure to environmental factors during development can result in effects other than death, gross structural abnormality, or altered growth. One area of concern is the developing nervous system, which may be especially vulnerable to environmental perturbation. Testing chemicals for potential developmental neurotoxicity has received a high priority and testing guidelines have been published and recently revised by the U.S. Environmental Protection Agency. These guidelines are based on several principles of developmental neurotoxicity that have been developed during several years of research. In general, manifestation of neurotoxicity following developmental exposure can depend on the time at which exposure occurs and for the purposes of hazard detection, experiments should be designed to optimize the detection of neurotoxicity. In addition, maternal health and interaction with the offspring, as well as postnatal development are important design issues in developmental neurotoxicology. It is also widely accepted that several doses be used and multiple measures of neurotoxicity assessed in both genders at several points during the life span of the animal. Finally, the litter is usually regarded as the most appropriate statistical unit to control for genetic and maternal factors. (Copyright (c) 1992 Pergamon Press Ltd.)

Keywords: *Nervous system, *Toxicology, *Teratogenic compounds, Mice, Polybromobiphenyl compounds, Dose-response relationships, Body weight, Lactation, Animal pregnancy, Behavior, Reprints.

PB92-206309/REB PC **A02**/MF **A01**
2,4,5-Trichlorophenoxyacetic Acid Influence on 2,6-Dinitrotoluene-Induced Urine Genotoxicity in Fisher 344 Rats: Effect on Gastrointestinal Microflora and Enzyme Activity. Journal article.
Health Effects Research Lab., Research Triangle Park, NC. Neurotoxicology Div.
S. E. George, R. W. Chadwick, J. J. Chang, M. J. Kohan, and J. C. Allison. c1992, 9p EPA/600/J-92/250
Pub. in Fundamental and Applied Toxicology, v18 n2 p240-246 Feb 92. Prepared in cooperation with North Carolina Univ. at Chapel Hill, and Environmental Health Research and Testing, Inc., Research Triangle Park, NC.

2,4,5-Trichlorophenoxyacetic acid and 2,6-dinitrotoluene are hazardous chemicals that have potential harmful effects. 2,6-DNT is recognized as a hepatotoxicant while 2,4,5-T, a component in Agent Orange, is also suspect. 2,6-DNT requires both oxidative and reductive metabolism to elicit genotoxic effects. In order to determine what effect 2,4,5-T had on 2,6-DNT metabolism, intestinal enzymes, microbial populations, and urine mutagenicity were examined during 2,4,5-T treatment. Weanling Fischer 344 male rats were treated daily with 54.4 mg/kg 2,4,5-T by gavage for 4 weeks. 1,2, and 4 weeks after the initial dose, rats were administered (p.o.) 2,6-DNT (75 mg/kg) and urine was collected for 24 hours in metabolism cages. Azo reductase, nitroreductase, beta-glucuronidase, dechlorinase, and dehydrochlorinase activities were examined concurrently. Treatment of rats for one week reduced the transformation of 2,6-DNT to mutagenic urinary metabolites. This was accompanied by a decrease in the fecal anaerobic microorganisms. The elimination of Lactobacillus fermentum from the small intestine and cecum of treated animals accompanied a significant increase in oxygen tolerant lactobacilli and other unidentified aerobic microorganisms. (Copyright (c) 1992 by the Society of Toxicology.)

Keywords: *Toxicity, *Mutagens, *Microbiology, *Gastrointestinal system, *Enzymes, Rats, Urine, Dose-response relationships, Metabolism, Metabolic activation, Reprints, *Trichlorophenoxyacetic acids, *Dinitrotoluenes.

PB92-206317/REB PC **A03**/MF **A01**
Health Effects Research Lab., Research Triangle Park, NC. Neurotoxicology Div.
Spatial Learning Deficits Are Not Solely Due to Cholinergic Deficits Following Medial Septal Lesions with Colchicine. Journal article.
National Inst. of Environmental Health Sciences, Research Triangle Park, NC. Lab. of Molecular and Integrative Neuroscience.
S. Barone, K. P. Nanry, W. R. Mundy, J. F. McGinty, and H. A. Tilson. c1991, 12p EPA/600/J-92/251
Pub. in Psychobiology, v19 n1 p41-50 Mar 91. Prepared in cooperation with East Carolina Univ. School of Medicine, Greenville, NC. Sponsored by Health Effects Research Lab., Research Triangle Park, NC. Neurotoxicology Div.

Colchicine was infused bilaterally into the cerebrolateral ventricles (3.75 micrograms/side) or directly into the medial septum (5 micrograms) of adult, male Fischer-344 rats (n=48), and effects on behavior and cholinergic markers were determined. Rats receiving intracerebroventricular (ICV) administration of colchicine were hyperaggressive during the first week after administration and were hyperactive when tested during 60-min sessions at weekly intervals during the first 3 weeks after colchicine treatment. ICV colchicine also interfered with the acquisition of a spatial task in the water maze. Rats receiving colchicine directly into the medial septum were also aggressive and hyperactive, but were not impaired in the acquisition of the water-maze task. It was subsequently found that direct administration and ICV administration of colchicine both decreased the number of choline acetyltransferase (ChAT) immunoreactive cells in the medial septum by at least 50% of vehicle-treated rats and decreased ChAT enzyme activity in both the right and the left hippocampus to about 50% of control levels. The results of these experiments do not support the generally accepted hypothesis that spatial learning deficits seen in animals with medial septum lesions are solely due to a lesion-associated cholinergic deficit in the hippocampus.

Keywords: *Cholinergic receptors, *Colchicine, *Hippocampus, *Learning disorders, Rats, Choline acetyltransferase, Neurochemistry, Histology, Immunohistochemistry, Reprints.

PB92-206325/REB PC **A02**/MF **A01**
Quantification of Glial Fibrillary Acidic Protein: Comparison of Slot-Immunobinding Assays with a Novel Sandwich ELISA. Journal article.
Health Effects Research Lab., Research Triangle Park, NC. Neurotoxicology Div.
J. P. O'Gallaghan. c1991, 9p EPA/600/J-92/252
Pub. in Neurotoxicology and Teratology, v13 n3 p275-281 Jun 91. See also PB91-154617.

Detailed protocols are presented for assaying glial fibrillary acidic protein (GFAP), an astrocyte localized protein which serves as a quantitative marker of toxicant-induced injury to the central nervous system. Two different solid-phase assay procedures are described: (1) a nitrocellulose based slot-immunobinding assay and (2) a novel microtiter plate based sandwich ELISA. The performance of both assays was assessed by measuring the content of GFAP in homogenates of specific regions of the rat brain and in homogenates of brain regions damaged by the prototype neurotoxicants, trimethyltin (TMT) and 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine (MPTP). Both procedures gave similar results that were consistent with previously published observations. By comparing the simplicity, cost effectiveness, safety and speed of the two methods, it appears likely that the sandwich ELISA has several advantages over slot-immunobinding assays.

Keywords: *Glial fibrillary acidic protein, *Chemical analysis, *Toxicology, Enzyme-linked immunosorbent assay, Central nervous system, Rats, Trimethyltin, Western blotting, Reprints, Methylphenyltetrahydropyridines.

PB92-206333/REB PC **A02**/MF **A01**
Health Effects Research Lab., Research Triangle Park, NC.
Age-Dependent Changes in Receptor-Stimulated Phosphoinositide Turnover in the Rat Hippocampus. Journal article.
National Inst. of Environmental Health Sciences, Research Triangle Park, NC. Lab. of Molecular and Integrative Neuroscience.

P. Tandon, W. R. Mundy, S. F. Ali, K. Nanry, and B. C. Rogers. c1991, 9p EPA/600/J-92/253
Pub. in Pharmacology Biochemistry and Behavior, v38 n4 p861-867 Apr 91. Prepared in cooperation with National Center for Toxicological Research, Jefferson, AR. Div. of Reproductive and Developmental Toxicology. Sponsored by Health Effects Research Lab., Research Triangle Park, NC.

To study the changes in the hippocampal cholinergic system of chronologically old and behaviorally impaired animals, old (21 months of age) and young (3 months of age) male, Fischer-344 rats were used. The aged animals were tested on a reference memory task (Morris water maze) and found to be functionally impaired as compared to the young controls. Carbachol-stimulated phosphoinositide metabolism was measured in hippocampal slices from young and old rats. Slices were prelabeled with (3)H-inositol for 120 min and subjected to muscarinic stimulation in the presence of lithium. Following extraction of the slices with acidified solvent mixture, the inositolphosphates present in the aqueous fraction were isolated by ion exchange chromatography. Receptor-stimulated release of inositolphosphates (IPs) was found to be increased in the hippocampus of older animals. The age-related enhancement of IP release was in contrast to the decrease in choline acetyltransferase (CHAT) activity in the hippocampus. The authors postulate that alterations in the G-protein coupling with the muscarinic receptor leads to an increase in the phosphoinositide turnover in part as a compensatory mechanism for neuronal cell death and reduced transmitter levels.

Keywords: *Aging(Biology), *Hippocampus, *Phosphoinositides, *Cholinergic receptors, Learning, Rats, Muscarinic receptors, Choline acetyltransferase, Ion exchange chromatography, Reprints.

PB92-206341/REB PC **A03**/MF **A01**
Considerations in the U.S. Environmental Protection Agency's Testing Approach for Mutagenicity. Journal article.
Health Effects Research Lab., Research Triangle Park, NC. Neurotoxicology Div.
K. L. Dearfield, A. E. Auletta, M. C. Cimino, and M. M. Moore. c1991, 27p EPA/600/J-92/254
Pub. in Mutation Research, v258 n3 p259-283 Nov 91.

Historically the U.S. Environmental Protection Agency has used mutagenicity information as part of its weight-of-evidence approach to discern the potential for human carcinogenicity. It is clear from the 1986 Mutagenicity Risk Assessment Guidelines that the USEPA intends to regulate chemicals based on risk of an adverse heritable effect in human germ cells. These Guidelines present a weight-of-evidence scheme for determining if an agent may be a potential human mutagen. Emphasis is placed upon a chemical's intrinsic mutagenic potential, its ability to reach the gonad and interact with germ cell DNA, and its ability to induce heritable mutations in mammalian species. The document summarizes the requirements for mutagenicity testing for submission of data to the USEPA's Office of Pesticide Programs and the Office of Toxic Substances. The rationale and support for the revised guidelines is presented and questions about the revision process and the guidelines themselves are addressed.

Keywords: *Mutagens, *Environmental pollutants, *US EPA, Humans, Pesticides, Risk assessment, Guidelines, Mutagenicity tests, Reprints.

PB92-206358/REB PC **A03**/MF **A01**
Health Effects Research Lab., Research Triangle Park, NC. Genetic Toxicology Div.
Human Bronchial Epithelial Cell Strain with Unusual In vitro Growth Potential Which Undergoes Neoplastic Transformation after SV40 T Antigen Gene Transfection. Journal article.
National Cancer Inst., Bethesda, MD. Div. of Cancer Etiology.
R. R. Reddel, I. C. Hsu, M. J. Mass, B. Hukku, and B. I. Gerwin. c1991, 12p EPA/600/J-92/255
Contract EPA-68-02-4456
Pub. in International Jnl. of Cancer, v48 p764-773 Jul 91. Prepared in cooperation with Children's Medical Research Foundation, Camperdown (Australia), Medical Coll. of Ohio at Toledo. Dept. of Pathology, and Maryland Univ. at Baltimore. School of Medicine. Sponsored by Health Effects Research Lab., Research Triangle Park, NC. Genetic Toxicology Div.

Bronchial epithelial cells were cultured from an individual with no evidence of malignant disease. These cells, designated HB56B, had a greatly extended in vitro life-span, being able to undergo 50 passages and 200 population doublings in contrast to the usual 3 to 4 passages and 20 to 30 population doublings characteristic of normal human bronchial epithelial cells. HB56B cells had karyotypic evidence of an amplified region on the short arm of chromosome II. Unlike normal bronchial epithelial cells, which undergo terminal squamous differentiation in vitro in response to fetal bovine serum, HB56B cells were only minimally affected by serum. These cells were readily established as an immortalized cell line, HB56B/5T, following transfection with a plasmid containing SV40 early region DNA. HB56B cells may offer an experimental system for the study of proliferation, differentiation, and senescence control in human bronchial epithelial cells.

Keywords: *Neoplastic cell transformation, *Bronchi, *Transfection, *Polyomavirus transforming antigens, Epithelium, In vitro analysis, Immunofluorescence techniques, Karyotyping, Southern blotting, Chromosome abnormalities, Deoxyribonucleic acids, Plasmids, Reprints.

PB92-206366/REB PC **A02**/MF **A01**
Health Effects Research Lab., Research Triangle Park, NC.
Long-Term Neurochemical and Behavioral Effects Induced by Acute Chlorpyrifos Treatment. Journal article.
Northeast Louisiana Univ., Monroe. School of Pharmacy.
C. N. Pope, T. K. Chakraborti, M. L. Chapman, and J. D. Farrar. c1992, 8p EPA/600/J-92/256
Pub. in Pharmacology Biochemistry and Behavior, v42 n2 p251-256 Jun 92. Sponsored by Health Effects Research Lab., Research Triangle Park, NC.

A single, maximal tolerated dose of the organophosphate insecticide chlorpyrifos (CPF, 279 mg/kg, sc) caused extensive inhibition of striatal and cortical cholinesterase (ChE) activity in adult rats at two (94-96%), four (64-74%) and six (36-38%) weeks after treatment. These persistent changes in ChE activity were concomitant with significant reductions in striatal muscarinic receptor (3H quinuclidinyl benzilate) binding sites (50, 31 and 18% reduction in B max at 2, 4 and 6 weeks after exposure) and a slight but significant alteration in the apparent affinity constant, K(D), at 2 and 4 weeks after treatment. Neither ChE activity nor muscarinic receptor binding were different from control levels at 12 weeks after exposure. CPF treatment caused a significant reduction in motor activity for the first two days after treatment, after which basal activity levels were not different from controls. These data indicate that a single, acute exposure to CPF in adult rats can cause long-term neurobehavioral/neuropharmacological changes which may persist following the recovery of neurochemical parameters generally associated with OP exposure and/or tolerance.

Keywords: *Dursban, *Toxicology, *Neurochemistry, *Motor activity, Cholinesterase inhibitors, Corpus striatum, Cerebral cortex, Muscarinic receptors, Rats, Binding sites, Scopolamine, Reprints.

PB92-206374/REB PC **A02**/MF **A01**
Effect of Bioremediation on the Mutagenicity of Oil Spilled in Prince William Sound, Alaska. Journal article.
Health Effects Research Lab., Research Triangle Park, NC.
L. D. Claxton, V. S. Houk, R. Williams, and F. Kremer. c1991, 10p EPA/600/J-92/257
Pub. in Chemosphere, v23 n5 p643-650 Sep 91. See also PB90-263070. Prepared in cooperation with Environmental Health Research and Testing, Inc., Research Triangle Park, NC.

On 24 March 1989 approximately 11 million gallons of Prudhoe Bay crude oil spilled into the waters of Prince William Sound, Alaska, ultimately contaminating nearly 1,000 miles of shoreline. Approximately 300 miles of contaminated beach were considered amenable to cleanup by bioremediation. To determine whether or not bioremediation would be effective in such climatic conditions (geophysical conditions) and to identify potential deleterious effects, the U.S. Environmental Protection Agency (EPA) conducted one of the world's largest in situ bioremediation field demonstration research projects. One of the methods used to assess potential health effects associated with this and similar efforts was the examination of mutagenicity associated with the oil spill and the products of bioremediation. The mutagenicity of organic samples collected from the contaminated beaches declined (was reduced) over time by both enhanced and natural bioremediation.

Keywords: *Oil spills, *Water pollution effects, *Remedial action, *Public health, *Biological treatment, *Land pollution, Oil pollution, Water pollution control, Beaches, Field tests, Biological effects, Microorganisms, Biodeterioration, Mutagens, US EPA, Prince William Sound, Alaska, Toxicity, Reprints, *Cleanup operations.

PB92-206382/REB PC **A03**/MF **A01**
Antimutagenicity Profiles of Some Natural Substances. Journal article.
Health Effects Research Lab., Research Triangle Park, NC.
H. E. Brockman, H. F. Stack, and M. D. Waters. c1992, 17p EPA/600/J-92/258
Pub. in Mutation Research, v267 n2 p157-172 Jun 92. See also PB90-217407. Prepared in cooperation with Illinois State Univ., Normal. Dept. of Biological Sciences, and Environmental Health Research and Testing, Inc., Research Triangle Park, NC.

Selected antimutagenicity listings and profiles have been prepared from the literature on the antimutagenicity of retinoids and the carotenoid Beta-carotene. The antimutagenicity profiles show: (1) a single antimutagen (e.g., retinol) tested in combination with various mutagens or (2) antimutagens tested against a single mutagen (e.g., aflatoxin B(1)). Data are presented in the profiles showing a dose range for a given antimutagen and a single dose for the corresponding mutagen; inhibition as well as enhancement of mutagenic activity is indicated. Information was found in the literature on the testing of selected combinations of 16 retinoids and carotenoids vs. 33 mutagens. Of 528 possible antimutagen-mutagen combinations, only 82 (16%) have been evaluated. The most completely evaluated retinoids are retinol (28 mutagens), retinoic acid and retinol acetate (7 mutagens each), and retinal and retinol palmitate (6 mutagens each). Beta-Carotene is the most frequently tested carotenoid (15 mutagens). Of the remaining retinoids and carotenoids, 8 were evaluated in combination with a single mutagen and the other 2 were tested against only 2 or 3 mutagens. Most of the data on antimutagenicity in vitro are available for S. typhimurium strains TA98 and TA100. Substantial data also are available for sister-chromatid exchanges in vitro and chromosome aberrations in vitro and in vivo. The report emphasizes the metabolic as well as the antimutagenic effects of retinoids in vitro and in vivo. (Copyright (c) 1992 Elsevier Science Publishers B.V.)

Keywords: *Antimutagens, *Retinoids, *Carotenoids, *Pharmacology, *Toxicology. Chromosome aberrations, Salmonella typhimurium, Sister chromatid exchange, In vivo analysis, In vitro analysis, Aflatoxins, Reprints.

PB92-206390/REB PC **A03**/MF **A01**
Predictive Assay for Rodent Carcinogenicity Using In vivo Biochemical Parameters: Operational Characteristics and Complementarity. Journal article.
Health Effects Research Lab., Research Triangle Park, NC. Genetic Toxicology Div.
K. T. Kitchin, J. L. Brown, and A. P. Kulkarni. c1992, 22p EPA/600/J-92/259
Pub. in Mutation Research 266, p253-272 1992. Prepared in cooperation with University of South Florida, Tampa. Coll. of Public Health.

Linear models of risk assessment may be appropriate for chemicals that are initiators of carcinogenesis while threshold models of risk assessment have been proposed for promoters. The proper risk assessment model for the regulation of promoters of carcinogenesis remains an active area of research and controversy. Cancer is a multistage process (e.g. initiation, promotion and progression). These three stages of the oncogenic process have different biological characteristics. Studies to determine which chemicals effect which stages and to what degree are needed for risk assessment. The in vivo biochemical system described in the report can be performed in a species specific and organ specific manner. In the study 111 chemicals were administered to rats, and the oper-

ational characteristics for predicting rodent carcinogenicity determined. The complementarity to short-term mutagencity tests was also demonstrated.

Keywords: *Carcinogenicity tests, *Carcinogens, *Biochemistry, *Toxicology, Risk assessment, In vivo analysis, Species specificity, Mutagenicity tests, Predictive value of tests, Rats, Enzymes, Mutations, Tables(Data), Graphs(Charts), Reprints.

PB92-206408/REB PC **A03**/MF **A01**
In vitro Screening Batteries for Neurotoxicants (Journal Article).
Health Effects Research Lab., Research Triangle Park, NC. Neurotoxicology Div.
B. Veronesi. c1992, 12p EPA/600/J-92/260
Pub. in NeuroToxicology 13, p185-196 1992. See also PB91-231233. Presented at the Meeting of the International Neurotoxicology Association (3rd), Parma, Italy, July 1-5, 1991.

The need to develop, validate and utilize in vitro models to test chemicals for neurotoxic potential is widely appreciated. The lecture discusses the major advantages of using cell and tissue culture, the various in vitro models amenable for neurotoxicity studies, and the distinction between mechanistic and screening models. Considerations for designing screening batteries to evaluate neurotoxicants are discussed. Topics such as choice of appropriate cell models and endpoints (i.e. cytotoxic and neurotoxic), and technical considerations in the design of the battery are also presented. (Copyright (c) 1992 by Intox Press, Inc.)

Keywords: *Toxicology, *Nervous system, In vitro analysis, Tissue culture, Cell line, Cultured tumor cells, Scanning electron microscopy, Cell survival, Reprints.

PB92-206416/REB PC **A02**/MF **A01**
Health Effects Research Lab., Research Triangle Park, NC. Reproductive Toxicology Branch.
Use of the Fungicide Carbendazim as a Model Compound to Determine the Impact of Acute Chemical Exposure during Oocyte Maturation and Fertilization on Pregnancy Outcome in the Hamster. Journal article.
ManTech Environmental Technology, Inc., Research Triangle Park, NC.
S. D. Perreault, S. Jeffay, P. Poss, and J. W. Laskey. c1992, 8p EPA/600/J-92/261
Contract EPA-68-02-4450
Pub. in Toxicology and Applied Pharmacology 114, n2 p225-231 Jun 92. Sponsored by Health Effects Research Lab., Research Triangle Park, NC. Reproductive Toxicology Branch.

The fungicide MBC is a microtubule poison. The authors hypothesized that microtubule-dependent events occurring in the oocyte during meiotic maturation and fertilization may be sensitive to perturbation by MBC such that exposure to MBC during the critical peri- fertilization period would result in early pregnancy loss. Female hamsters were given a single oral dose of MBC during meiosis I or II. Pregnancy outcome was assessed on day 15. When given during meiosis I, MBC treatment reduced the percentage of pregnant hamsters (at 750 or 1000 mg/kg), and the average litter size (250 to 1000 mg/kg). When given during meiosis II, shortly before and during fertilization, MBC treatment (1000 mg/kg) produced a similar decrease in litter size. The effect disappeared when MBC was administered at a slightly later time, after the microtubule- dependent events of fertilization have occurred. These results demonstrate that a single exposure to a microtubule poison such as MBC at critical times, coincident with microtubule-dependent meiotic events, can result in very early pregnancy loss.

Keywords: *Abortion, *Fungicides, *Fertilization, *Animal pregnancy, Hamsters, Microtubules, Dose-response relationships, Meiosis, *Toxicology, Reprints, *Methylbenzimidazole carbamate.

PB92-206424/REB PC **A02**/MF **A01**
Environmental Protection Agency, Research Triangle Park, NC. Atmospheric Research and Exposure Assessment Lab.
Long-Path FTIR Measurements of Volatile Organic Compounds in an Industrial Setting (July 1989-April 1991). Journal article.
NSI Technology Services Corp., Research Triangle Park, NC.
G. M. Russwarm, R. H. Kragann, O. A. Simpson, W. A. McClenny, and W. F. Herget. c1991, 7p EPA/600/J-92/262
Contract EPA-68-D0-0106
Pub. in Jnl. of the Air and Waste Management Association, v41 n8 p1062-1066 Aug 91. Prepared in cooperation with MDA Scientific, Inc., Norcross, GA., and Nicolet Instrument Corp., Madison, WI. Sponsored by Environmental Protection Agency, Research Triangle Park, NC. Atmospheric Research and Exposure Assessment Lab.

As part of a Superfund Innovative Technology Evaluation (SITE) field program, a Fourier transform infrared (FTIR) spectrometer was used to make open path measurements of volatile organic compounds in the New Castle, Delaware, area. The SITE program requires that new technologies be compared with more mature measurement techniques. In this case, a canister-based sampling and analytical methodology was chosen to compare with the FTIR measurements. Whole air samples were collected in the canisters as they were repeatedly transported along the open measurement path of the FTIR spectrometer. FTIR spectra were co-added for 32-min sampling intervals. Conclusions were: (1) that the FTIR system as it is currently configured can be used as a reliable monitoring instrument when the concentrations are greater than about 50 ppbv; (2) that transporting the canisters along the path is a viable technique for comparing long-path and point-sampler measurements.

Keywords: *Volatile organic compounds, *Infrared spectrometers, *Hazardous materials, Chemical analysis, Fourier transformation, Measurement, Air pollution, Sampling, Comparison, Reliability, Concentration(Composition), Field tests, Gas chromatography, Mass spectrometry, Reprints, *Superfund, SITE program.

PB92-206432/REB PC **A03**/MF **A01**
Canister-Based Method for Monitoring Toxic VOCs in Ambient Air. Journal article.
Environmental Protection Agency, Research Triangle Park, NC. Atmospheric Research and Exposure Assessment Lab.
W. A. McClenny, J. D. Plell, K. D. Oliver, M. W. Holdren, and W. T. Winberry. c1991, 13p EPA/600/J-92/263
Pub. in Jnl. of the Air and Waste Management Association, v41 n10 Oct 91. See also PB90-127374. Prepared in cooperation with ManTech Environmental Technology, Inc., Research Triangle Park, NC., Battelle Memorial Inst., Columbus, OH., and Engineering Science, Cary, NC.

The availability of reliable, accurate and precise monitoring methods for toxic volatile organic compounds (VOCs) is a primary need for state and local agencies addressing daily monitoring requirements related to odor complaints, fugitive emissions, and trend monitoring. The canister-based monitoring method for VOCs is a viable and widely used approach that is based on research and evaluation performed over the past several years. The activity has involved the testing of sample stability of VOCs in canisters and the design of time-integrative samplers. The development of procedures for analysis of samples in canisters, including the procedure for VOC preconcentration from whole air, the treatment of water vapor in the sample, and the selection of an appropriate analytical finish has been accomplished. The canister-based method was initially summarized in the EPA Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air as Method TO-14. Modifications and refinements are being added to Method TO-14 in order to obtain a Statement of Work for the Superfund Contract Laboratory Program for Air. The paper discusses the developments leading to the current status of the canister-based method and provides a critique of the method using results obtained in EPA monitoring networks. (Copyright (c) 1991 - Air and Waste Management Association.)

Keywords: *Volatile organic compounds, *Air pollution monitoring, *Air samplers, *Cans, *Air pollution detection, Toxic substances, Stainless steels, Cleaning, Sorbents, Storage, Water vapor, Sample preparation, Design criteria, Performance evaluation, Gas analysis, Calibrating, Reprints, EPA method TO-14.

PB92-206440/REB PC **A02**/MF **A01**
Environmental Protection Agency, Research Triangle Park, NC. Atmospheric Research and Exposure Assessment Lab.
Comparative Analysis of Dioxins and Furans in Ambient Air by High Resolution and Electron Capture Mass Spectrometry. Journal article.
Indiana Univ. at Bloomington.
C. J. Koester, R. L. Harless, and R. A. Hites. c1992, 8p EPA/600/J-92/264
Grant EPA-R-812588
Pub. in Chemosphere, v24 n4 p421-426 1992. Sponsored by Environmental Protection Agency, Research Triangle Park, NC. Atmospheric Research and Exposure Assessment Lab.

Known mixtures and unknown atmospheric sample extracts containing polychlorinated dibenzo-p-dioxins and polychlorinated dibenzofurans (PCDD/F) were analyzed by both electron impact, high resolution, mass spectrometry (HRMS) and by electron capture, negative ion, low resolution mass spectrometry (ECNI). PCDD/F concentrations measured by the two methods were comparable, typically agreeing with + or - 33%. The major difference between the two techniques is that HRMS easily detects 2,3,7,8- tetrachlorodibenzo-p-dioxin but ECNI does not. Results suggest that ECNI can be a sensitive low cost alternative to HRMS for the determination of PCDD/F concentrations.

Keywords: *Polychlorinated dibenzodioxins, *Polychlorinated dibenzofurans, *Mass spectroscopy, Air pollution, Air sampling, Toxic materials, Accuracy, Error analysis, Reprints, *High resolution mass spectrometry, *Electron capture mass spectrometry.

PB92-206457/REB PC **A01**/MF **A01**
Air Pollution Engineering Research at the U.S. Environmental Protection Agency. Journal article.
Environmental Protection Agency, Research Triangle Park, NC. Air and Energy Engineering Research Lab.
F. T. Princiotta. c1992, 5p EPA/600/J-92/265
Pub. in Chemical Engineering, v99 n3 p153, 154, and 156 Mar 92. See also PB91-155234.

The article discusses air pollution engineering research at the U.S. EPA, and particularly AEERL's role in that research. The research programs are shifting from an initial focus on sulfur dioxide and nitrogen oxide pollution control to more complex and more difficult problems such as indoor air quality, air toxics, global climate change, and stratospheric ozone depletion. EPA research engineers are working closely with other researchers in both the private sector and other federal research organizations to identify, evaluate, and develop cost-effective engineering solutions. The AEERL works closely with the EPA regulatory and regional offices to ensure that the best engineering information is utilized to formulate and implement the Agency's environmental protection program.

Keywords: *Research projects, *Environmental engineering, *Air pollution control, Indoor air pollution, Sulfur dioxide, Nitrogen oxides, Toxicity, Climatic changes, Stratosphere, Ozone, US EPA, Stationary sources.

PB92-206465/REB PC **A01**/MF **A01**
Stimulation of Reductive Dechlorination of Tetrachloroethene in Anaerobic Aquifer Microcosms by Addition of Short-Chain Organic Acids or Alcohols. Journal article.
Robert S. Kerr Environmental Research Lab., Ada, OK.
S. A. Gibson, and G. W. Sewell. c1992, 4p EPA/600/J-92/266
Pub. in Applied and Environmental Microbiology, v58 n4 p1392-1393 Apr 92. Prepared in cooperation with ManTech Environmental Technology, Inc., Ada, OK.

The effect of the addition of common fermentation products on the dehalogenation of tetrachloroethene was studied in methanogenic slurries made with aquifer solids. Lactate, propionate, crotonate, butyrate, and ethanol stimulated dehalogenation activity, while acetate, methanol, and isopropanol did not. (Copyright (c) 1992, American Society for Microbiology.)

Keywords: *Water pollution control, *Aquifers, *Dechlorination, *Tetrachloroethylene, Dehalogenation, Ground water, Anaerobic processes, Fermentation, Methanogenic bacteria, Microorganisms, Additives, Organic acids, Alcohols, Reduction(Chemistry), Reprints.

PB92-206473/REB PC **A03**/MF **A01**
Rational Approaches to the Management of Bronchopulmonary Disease. Book chapter.
Health Effects Research Lab., Research Triangle Park, NC.
J. A. Dye. Jan 92, 27p EPA/600/A-92/138
See also PB92-126879.

The chapter discusses guidelines for the management of bronchopulmonary disease in the cat, based in part on extrapolations from the current therapeutic recommendations for asthma and chronic bronchitis in humans. Recommendations were modified according to known pharmacokinetic, clinicopathologic and pulmonary functional data in the cat. While of more clinical than experimental value to our program (which involves rodents and guinea pigs), the article emphasizes the homology between animals and humans in the pathophysiology of airway diseases and in approaches toward its prevention and/or treatment and hence, the relevance of animal research in the area.

Keywords: *Cat diseases, *Bronchial diseases, *Respiratory diseases, *Drug therapy, Asthma, Humans, Pulmonary fibrosis, Etiology, Diagnosis, Pathology, Airway resistance, Chronic disease, Follow-up studies, *Feline bronchopulmonary diseases.

PB92-206481/REB PC **A03**/MF **A01**
Chemical and Physical Properties of Emissions from Kuwait Oil Fires.
Environmental Protection Agency, Research Triangle Park, NC. Atmospheric Research and Exposure Assessment Lab.
R. Stevens, J. Pinto, Y. Mamane, J. Ondov, and M. Abdulraheem. 1992, 20p EPA/600/A-92/148
Presented at the International Conference on Environmental Quality and Ecosystem Stability (5th), Jerusalem, Israel, June 22-24, 1992. Prepared in cooperation with Maryland Univ., College Park. Dept. of Chemistry, Kuwait Environmental Protection Dept., National Aeronautics and Space Administration, Hampton, VA. Langley Research Center, and ManTech Environmental Technology, Inc., Research Triangle

After the Iraqi retreat from Kuwait in 1991, airborne sampling was conducted in the oil fire plumes near Kuwait City and ground-level samples were taken of the air within the city. For the airborne sampling, a versatile air pollution sampler was used to determine the SO(2), elemental concentrations, the aerosol mass loadings and SO4(2-) and NO3(1-) concentrations. Striking differences between the black and white plumes were associated with high concentrations of NaCl and CaCl(2) measured in the white plumes and large numbers of carbon chain agglomerates in the black plumes. For the ground-based measurements, an annular denuder system was used to determine levels of SO(2), SO4(2-), trace elements, and mass loadings. Certain pollutant levels rose in the city during inversion conditions, when winds were too weak to continue moving the combustion products directly to the Persian Gulf, and the increased levels of Pb and certain trace elements were comparable to those in other large urban areas in Europe.

Keywords: *Fires, *Oil wells, *Soot, *Air pollution, *Kuwait, *Combustion products, *Plumes, *Smoke, Air pollution monitoring, Sulfur dioxide, Sulfur ions, Nitrates, Chlorides, Heavy metals, Environmental transport.

PB92-206499/REB PC **A03**/MF **A01**
Environmental Protection Agency, Research Triangle Park, NC. Air and Energy Engineering Research Lab.
Full-Scale Laboratory Simulation Facility to Test Particulate and Organic Emissions from a Third World Residential Combustion Process. III Evaluation of a Potential Technique for the Control of Emissions from the Indoor, Open Hearth Combustion of Coal. Rept. for Jul 91-Feb 92.
Acurex Corp., Research Triangle Park, NC.
C. C. Lutes, J. V. Ryan, D. B. Harris, and R. S. Chapman. 1992, 25p EPA/600/A-92/149
Contract EPA-68-D0-0141
See also PB90-238502 and PB-293 795. Presented at the Air and Waste Management Association Meeting, Kansas City, MO., June 1992. Sponsored by Environmental Protection Agency, Research Triangle Park, NC. Air and Energy Engineering Research Lab.

The paper reports controlled full-scale laboratory studies designed to determine if clay addition holds promise as a technique to control emissions from higher grade coals. (NOTE: Abnormally high rates of lung cancer are observed among persons in Xuan Wei County, China, who burn bituminous 'smoky' coal as compared with those who burn 'smokeless' coal, which is produced by mixing low grade coals with clay.) Statistically significant reductions in emissions of total particulate (70%), gravimetrically determined (nonvolatile) organics (70%), total chromatographable (semivolatile) organics (90%), and benzo(a)pyrene (65%) were observed (measured on a mass emitted/mass coal combusted basis) when clay binder material was added to a ground smoky coal. These reductions, however, did not fully account for the order of magnitude lower pollutant levels previously observed in homes burning smokeless (as compared to smoky) coal. Thus, the authors believe that the composition of the low rank coals used to produce smokeless coal also helps to control emissions.

Keywords: *Air pollution control, *Clays, *Coal, *Combustion products, China, Air pollution effects(Humans), Indoor air pollution, Ranking, Residential buildings, Experimental design, High sulfur coal, Particles, Organic compounds, Respiratory diseases, Pulmonary neoplasms, Benzopyrene, *Smokeless coal, Yunnan Province(Peoples Republic of China), Xuan Wei County(Yunnan).

PB92-206507/REB PC **A03**/MF **A01**
Environmental Protection Agency, Research Triangle Park, NC. Air and Energy Engineering Research Lab.
Physical Property Data on Fluorinated Propanes and Butanes as CFC and HCFC Alternatives. Rept. for Aug 88-Jun 91.
Clemson Univ., SC. Dept. of Chemistry and Geology.
A. L. Beyerlein, D. D. DesMarteau, S. L. Hwang, N. D. Smith, and P. Joyner. 1992, 12p EPA/600/A-92/150
Grant EPA-R-815134
Presented at the International Conference on CFC and Halon Alternatives, Baltimore, MD., December 3-5, 1991. Prepared in cooperation with Electric Power Research Inst., Palo Alto, CA. Sponsored by Environmental Protection Agency, Research Triangle Park, NC. Air and Energy Engineering Research Lab.

The paper discusses results of the measurement and estimation of the physical properties of fluorinated propane derivatives as second generation alternatives for currently used CFC and HCFC chemicals. One fluorinated ether was also studied. A total of 22 compounds were investigated with boiling points of -34.6 to 76.7 C. The measured properties presented for these compounds are: melting point, boiling point, vapor pressure below the boiling point, heat of vaporization, critical properties (temperature, density, and pressure), liquid densities, and liquid-phase heat capacities. Measured vapor pressures are reported from below the boiling point to the critical point for two of these compounds: CF3OCF2H (b.p. = 34.6 C and Tc = 80.7 C) and CF3CHFCF2H (b.p. = 6.5 C and Tc = 141.1 C). Vapor pressures and liquid-phase densities were also measured for CFC-12 in order to judge the accuracy of the experimental methods used. The measured vapor pressures were also compared with vapor pressures estimated using modified corresponding states methods to evaluate the accuracy of the estimation methods.

Keywords: *Fluorohydrocarbons, *Halohydrocarbons, *Air pollution control, *Substitutes, *Thermodynamic properties, *Physicochemical properties, Boiling points, Melting points, Vapor pressure, Specific heat, Density(Mass/Volume), Critical temperature, Propanes, Ethers.

PB92-206515/REB PC **A02**/MF **A01**
Environmental Protection Agency, Research Triangle Park, NC. Air and Energy Engineering Research Lab.
Research and Development for Total-Flood Halon 1301 Replacements for Oil and Gas Production Facilities. Rept. for Oct 90-Aug 91.
New Mexico Engineering Research Inst., Albuquerque.
S. R. Skaggs, E. Heinonen, R. E. Tapscott, and N. D. Smith. 1991, 9p EPA/600/A-92/151
Grant EPA-R-817774
Presented at the International CFC and Halon Alternatives Conference, Baltimore, MD., December 3-5, 1991. Sponsored by Environmental Protection Agency, Research Triangle Park, NC. Air and Energy Engineering Research Lab.

The paper describes an effort to evaluate selected halocarbons as alternative total-flood fire and explosion protection agents for Alaskan North Slope petroleum processing facilities. Adequate explosion and fire protection of enclosed spaces containing flammable gases and streaming fuel presents significant safety challenges for the North Slope petroleum industry. These areas are now protected by Halon 1301 total-flood fire and explosion suppression systems. However, because of the suspected negative impact on the global environment, Halon 1301 production will be sharply curtailed. Therefore, a program was initiated by the U.S. Environmental Protection Agency at the University of New Mexico's Center for Global Environmental Technologies to develop one or more potential Halon 1301 replacements for use in explosion inertion and fire suppression in North Slope oil and gas handling facilities. Among the factors considered were physical properties, toxicity, effectiveness, chemical stability, and environmental impacts of potential chemicals.

Keywords: *Occupational safety and health, *Petroleum industry, *Fire extinguishing agents, *Explosions, *Industrial safety, Flammability, Oil recovery, Gas production, Halons, Environmental engineering, Research and development, Environmental chemical substitutes, Toxicity, Industrial medicine, Halohydrocarbons, Extinguishing, Flooding, Confined environments, *Halon 1301.

PB92-206523/REB PC **A03**/MF **A01**
Advanced Emissions Speciation Methodologies for the Auto/Oil Air Quality Improvement Research Program. 2. Aldehydes, Ketones, and Alcohols. SAE technical paper series.
Environmental Protection Agency, Research Triangle Park, NC. Atmospheric Research and Exposure Assessment Lab.
S. J. Swarin, J. F. Loo, E. Chladek, M. S. Drouillard, and S. B. Tejada. c1992, 12p EPA/600/A-92/152
See also PB92-166784. Presented at the International Congress and Exposition, Detroit, MI., February 24-28, 1992. Prepared in cooperation with General Motors Research Labs., Warren, MI., Ford Motor Co., Dearborn, MI. Scientific and Research Lab., and Society of Automotive Engineers, Inc., Warrendale, PA.

Analytical methods for determining individual aldehyde, ketone, and alcohol emissions from gasoline-, methanol-, and variable-fueled vehicles are described. These methods were used in the Auto/Oil Air Quality Improvement Research Program to provide emission data for comparison of individual reformulated fuels, individual vehicles, and for air modeling studies. The emission samples are collected in impingers which contain either 2,4-dinitrophenylhydrazine solution for the aldehydes and ketones or deionized water for the alcohols. Subsequent analyses by liquid chromatography for the aldehydes and ketones and gas chromatography for the alcohols utilized auto injectors and computerized data systems which permit high sample throughput with minimal operator intervention. The quality control procedures developed and interlaboratory comparisons conducted as part of the program are also described. (Copyright (c) 1992 Society of Automotive Engineers, Inc.)

Keywords: *Air pollution detection, *Air quality, *Exhaust emissions, *Air pollution sampling, *Gas analysis, Chromatographic analysis, Sample preparation, Standards, Calibrating, Quality control, Methanol, Gasoline, Quality assurance, Interlaboratory comparisons, Alcohols, Aldehydes, Ketones, Air pollution abatement, Alcohol fuels, Fuel substitution, Reprints, *Auto/Oil Air Quality Improvement Research Program, Computer aided analysis, High performance liquid chromatography.

PB92-206531/REB PC **A02**/MF **A01**
U.S. Environmental Protection Agency Health Effects Research on Drinking Water Contaminants.
Health Effects Research Lab., Research Triangle Park, NC.
F. S. Hauchman. 1992, 7p EPA/600/A-92/153
See also PB83-191262.

The Environmental Protection Agency's (EPA) Health Effects Research Laboratory (HERL) provides chemical-specific data and scientific methods that are used by the EPA Office of Water in the development of regulations required by the Safe Drinking Water Act. To determine the chemical and microbial contaminants in drinking water that are of greatest public health concern, HERL conducts hazard identification and dose-response research in humans, animals, and in vitro.

HERL conducts studies on pharmacokinetics and mechanisms of action to facilitate the extrapolation of toxicity data from animals to humans. Characterization of the risks associated with human exposure to contaminants in drinking water involves a multi-laboratory/office effort to incorporate information on hazard, dose-response, and exposure into chemical and microbial risk models. The many uncertainties in the underlying health effects data base and in the models used for assessing chemical and microbial risks highlight the need for a strong drinking water health research program in the years to come.

Keywords: *Potable water, *Chemical water pollutants, *Aquatic microbiology, Health hazards, Humans, Risk assessment, Disinfection, Toxicology, Carcinogens, Mutagens, Pharmacokinetics.

PB92-206549/REB PC **A03**/MF **A01**
Developmental Neurotoxicology of Polychlorinated Biphenyls and Related Compounds.
Health Effects Research Lab., Research Triangle Park, NC. Neurotoxicology Div.
H. A. Tilson, and G. J. Harry. 1992, 36p EPA/600/A-92/154
Prepared in cooperation with National Inst. of Environmental Health Sciences, Research Triangle Park, NC.

Polychlorinated biphenyls are stable, lipophilic industrial compounds that are present in residue levels in human tissue, wildlife and freshwater sediment. They are toxic and are known to pass the placenta and intoxicate the fetus. Two large outbreaks of poisoning have occurred in Asia and women pregnant at or after the exposures had children who were developmentally impaired. Laboratory experiments in rhesus monkeys and rodents designed to assess neural or developmental neurotoxic effects show altered activity levels, impaired learning, and delayed ontogeny of reflexes. Children exposed transplacentally to PCBs in North America have been reported to display hypotonia and hyporeflexia at birth, delay in psychomotor development at 6 and 12 months of age and poorer visual recognition at 7 months. PCBs appear to be developmental neurotoxicants in both humans and animals and may pose a significant health risk, particularly to pregnant women and their offspring.

Keywords: *Polychlorobiphenyl compounds, *Toxicology, *Nervous system, *Teratogenic compounds, Animals, Humans, Health hazards, Environmental pollutants, Maternal-fetal exchange, Psychomotor performance.

PB92-206556/REB PC **A03**/MF **A01**
Approach to the Design of Nonmutagenic Azo Dyes: Analogues of the Mutagen 4-Amino-3-Methoxyazobenzene (Chapter 4). Book chapter.
Health Effects Research Lab., Research Triangle Park, NC. Genetic Toxicology Div.
H. S. Freeman, J. F. Esancy, and L. D. Claxton. 1992, 20p EPA/600/A-92/155
Pub. in Colour Chemistry: The Design and Synthesis of Organic Dyes and Pigments, p85-115 Jul 91. See also PB90-245457. Prepared in cooperation with North Carolina State Univ. at Raleigh. Dept. of Textile Engineering, Chemistry, and Science.

The series of analogs of the known mutagen 4-amino-3-methoxyazobenzene has been synthesized in which the size of the alkoxy group has been varied to determine the effect of this kind of alteration on the mutagenicity of the parent dye molecule. It has been found that the dyes containing the larger alkoxy group are significantly less mutagenic than their lower homologs. In addition, the contribution of the reductive-cleavage products to the mutagenicity of the parent dye molecules was also investigated. The results of the aspect of the study indicate that mutagenicity of an azo dye, in that some of the dyes are potent mutagens but their reductive-cleavage products are either nonmutagenic or very weakly active in the standard Ames assay.

Keywords: *Azo dyes, *Mutagens, Chemical reactions, Mutagenicity tests, Alkoxy compounds, Carcinogens, Textile finishing, Nuclear magnetic resonance, Reprints.

PB92-206564/REB PC **A03**/MF **A01**
Robert S. Kerr Environmental Research Lab., Ada, OK.
New Two-Phase Flow and Transport Model with Interphase Mass Exchange. Symposium paper.
Vermont Univ., Burlington. Coll. of Engineering and Mathematics.
J. F. Guarnaccia, and G. F. Pinder. 1992, 11p EPA/600/A-92/156
Grant EPA-R-818955
Pub. in Computational Mechanics Publications, Mathematical Modeling in Water Resources, v2 p281-288 Jun 92. Prepared in cooperation with Colorado Univ. at Denver, Wyoming Univ., Laramie, and Notre Dame Univ., IN. Sponsored by Robert S. Kerr Environmental Research Lab., Ada, OK.

The focus of the numerical investigation is on modelling the emplacement and subsequent removal, through dissolution, of a Denser-than-water Non-Aqueous Phase Liquid (DNAPL) in a saturated groundwater system. Specifically the model must address two flow and transport regimes. First is the emplacement of DNAPL in the subsurface. Here two-phase flow dominates as the DNAPL displaces the water. The second flow and transport regime involves the dissolution of the immobile residual through interphase mass exchange and transport of the dissolved contaminant in the water phase. Numerical simulation of the problem is computationally intensive involving the iterative simultaneous solution of coupled nonlinear partial differential equations over fine time and space discretizations. The paper presents an overview of the equation development including the constitutive relations necessary to describe DNAPL emplacement (hysteresis) and dissolution (kinetic mass exchange), and describes an efficient collocation based parallel algorithm to solve the governing equations. In addition, model results are reported.

Keywords: *Ground water, *Water pollution, *Two phase flow, *Mathematical models, Water resources, Collocation, Contamination, Computerized simulation, Algorithms, Parallel processing, Reprints.

PB92-206572/REB PC **A03**/MF **A01**
Robert S. Kerr Environmental Research Lab., Ada, OK.
Parallel Groundwater Computations Using PVM. Symposium paper.
Vermont Univ., Burlington. Coll. of Engineering and Mathematics.
M. J. Eppstein, J. F. Guarnaccia, and D. E. Dougherty. 1992, 11p EPA/600/A-92/157
Grant EPA-R-818955
Pub. in Computational Mechanics Publications, Numerical Methods in Water Resources, v1 p713-720 Jun 92. Prepared in cooperation with Colorado Univ. at Denver, Wyoming Univ., Laramie, and Notre Dame Univ., IN. Sponsored by Robert S. Kerr Environmental Research Lab., Ada, OK.

Parallel Virtual Machine (PVM) is a software tool to allow concurrent computing on heterogeneous networked computers via Unix sockets using UPD datagrams. Applications programmers exploit multiprocessing by explicit high-level C or FORTRAN calls to interprocessor communication routines, as in a Portable Instrumented Communication Library (PICL) or the compilers of MIMD vendors. These capabilities allow unused cycles in a network to be utilized and parallel implementations of applications to be developed and tested. The paper reports an implementation of a PVM-FORTRAN code for two-phase flow in porous media using PVM on both homogeneous and heterogeneous processor networks. Each processor runs the same source code asynchronously using the single-program-multiple-data (SPMD) approach and synchronizes at convergence tests.

Keywords: *Ground water, *Computation, Multiprocessing, Concurrent processing, Software tools, UNIX(Operating system), Interprocessor communication, Computer applications, Two phase flow, Porous materials, Mathematical models, Algorithms, Reprints, *PVM(Parallel Virtual Machine).

PB92-206580/REB PC **A03**/MF **A01**
Environmental Protection Agency, Research Triangle Park, NC. Air and Energy Engineering Research Lab.
Data Logging Systems for Monitoring Long-Term Radon Mitigation Experimental Programs in Schools and Other Large Buildings.
Southern Research Inst., Birmingham, AL.
D. B. Harris, and B. E. Pyle. 1992, 11p EPA/600/A-92/158
Grant EPA-R-818413
See also DE89016676, PB89-167480 and PB92-115369. Presented at the Air and Waste Management Association National Meeting, Kansas City, MO., June 1992. Sponsored by Environmental Protection Agency, Research Triangle Park, NC. Air and Energy Engineering Research Lab.

The paper discusses data logging systems for monitoring long-term radon mitigation experimental programs in schools and other large buildings. Several mitigation systems have been installed in schools as part of a mitigation research program conducted by the U.S. EPA. Each installation has several parameters that need to be monitored continuously to allow evaluation of system operation. Several data logging systems are described, including custom and commercial units. Wired and wireless coupling of sensors and logger, as well as on-site and remote access to the data, is also discussed. Data from several projects are presented.

Keywords: *Radon, *Radiation monitors, *Mitigation, *Buildings, *Air pollution control, Indoor air pollution, School buildings, Long term effects, Performance evaluation, Data recording, Stationary sources, Air pollution monitors.

PB92-206598/REB PC **A03**/MF **A01**
Environmental Protection Agency, Research Triangle Park, NC. Air and Energy Engineering Research Lab.
Full-Scale Laboratory Simulation Facility to Test Particulate and Organic Emissions from a Third World Residential Combustion Process. 1. Facility Description and Results of Tests of Three Rural China Residential Coals, a U.S. Coal, and Wood.
Acurex Corp., Research Triangle Park, NC.
D. B. Harris, D. F. Natschke, R. S. Chapman, and J. L. Mumford. 1992, 13p EPA/600/A-92/159
Contract EPA-68-02-4201
See also PB90-126004. Presented at the Air and Waste Management Association Annual Meeting, Kansas City, MO., June 1992. Sponsored by Environmental Protection Agency, Research Triangle Park, NC. Air and Energy Engineering Research Lab.

The paper gives results of a series of 12 tests for 3 coals from a rural area of China with abnormally high lung cancer rates, a U.S. coal, and pine wood fuel. It also discusses a residential combustion simulator, built at EPA's Research Triangle Park, NC, facility to conduct emission tests of residential fuels in a facility designed for the acquisition of samples for chemical and biological analysis. The facility includes a 2.5 by 3.0 m burn hut (containing a 30 by 30 cm fire pit) located next to an instrumentation and control building. Air samples can be taken inside the burn hut or from an insulated duct pulling samples from the center of the hut through the control building. Additional sampling systems, such as continuous emission monitors or laboratory grade chemical analyzers, can be easily added either in the instrumentation building or by parking a mobile laboratory next to the facility.

Keywords: *Air pollution sampling, *Combustion efficiency, *Air pollution detection, *Bioassay, *Fuels, Sample preparation, Mutagens, Pulmonary neoplasms, Respiratory diseases, Mass spectroscopy, Gas chromatography, Exposure, Pine wood, Concentration(Composition), Gas analysis, Coal, United States, China, Toxicity, Xuan Wei County(Yunnan), Yunnan Province(Peoples Republic of China).

PB92-206606/REB PC **A03**/MF **A01**
Environmental Protection Agency, Research Triangle Park, NC. Air and Energy Engineering Research Lab.
Characterization of Condensible and Semivolatile Organic Materials from Boise Woodstove Samples. Rept. for Sep 86-Jun 90.
Radian Corp., Research Triangle Park, NC.
R. S. Steiber, R. C. McCrillis, J. A. Dorsey, and R. G. Merrill. 1992, 22p EPA/600/A-92/160
Contract EPA-68-D0-0140
See also PB-293 795 and PB90-225863. Presented at the Air and Waste Management Association Annual Meeting, Kansas City, MO., June 1992. Sponsored by Environmental Protection Agency, Research Triangle Park, NC. Air and Energy Engineering Research Lab.

The paper gives results from woodstove source and ambient sampling in Boise, ID. Data are presented for the total chromatographable organic, gravimetric, and gas chromatograph/mass spectrometric analyses of the volatile, semi-volatile, and condensible organic

fractions from XAD-2 and filter catches. The samples analyzed were obtained in woodstove chimneys and in ambient locations representing the background, a residential area impacted by woodsmoke, and an urban area impacted by vehicular emissions. Included in the source emissions analysis are samples obtained in a laboratory setting as well as samples collected from houses in the field. Bioassay results on the laboratory samples are also presented. The Boise study was a multi-disciplinary, cross-EPA laboratory effort to apportion sources of mutagenicity in ambient emissions in a woodsmoke-impacted area.

Keywords: *Air pollution sampling, *Air pollution detection, *Gas analysis, *Wood burning appliances, *Organic compounds, Stoves, Combustion products, Concentration(Composition), Mutagens, Idaho, Bioassay, Chromatographic analysis, Mass spectroscopy, Pollution sources, Gravimetric analysis, Boise(Idaho).

PB92-206614/REB PC **A03**/MF **A01**
Environmental Protection Agency, Research Triangle Park, NC. Air and Energy Engineering Research Lab.
Surface-Coating-Free Materials and Reduction of VOC Emissions from Coating Operations. Rept. for Dec 90-Jul 91.
Research Triangle Inst., Research Triangle Park, NC.
M. Kosusko, C. M. Northeim, and M. W. Moore. 1992, 14p EPA/600/A-92/161
Grant EPA-R-815169
See also PB89-151419, PB91-119669 and PB91-206235. Presented at the Annual Meeting, AWMA (84th), Kansas City, MO., June 21-26, 1992. Sponsored by Environmental Protection Agency, Research Triangle Park, NC. Air and Energy Engineering Research Lab.

The paper discusses results of a July 1991 workshop, cosponsored by EPA and RTI, to explore the concept of surface-coating-free materials (SCFMs) and to discuss their use as a means of reducing volatile organic compound (VOC) and air toxic emissions from surface coating operations. Technical papers were presented by representatives of industries that currently use or are developing SCFMs. Paper topics included architectural products, uncoated metals, plastic materials and films, high-temperature materials, and regulatory perspectives. Small group discussions followed which focused on identifying and developing research concepts that could expand the use of SCFMs. (NOTE: Surface coating operations are a large potential source of VOC emissions. Emissions occur during initial coating, as well as each time a surface is stripped and recoated.

Keywords: *Coatings, *Reduction, *Volatile organic compounds, *Air pollution control, *Meetings, Metals, Plastics, Construction, Surfaces, Emission, Operations, High temperature, Films.

PB92-206622/REB PC **A03**/MF **A01**
Environmental Protection Agency, Research Triangle Park, NC. Air and Energy Engineering Research Lab.
Corona Destruction: An Innovative Control Technology for VOCs and Air Toxics. Rept. for Oct 90-Mar 91.
Acurex Corp., Research Triangle Park, NC.
C. M. Nunez, G. H. Ramsey, W. H. Ponder, J. H. Abbott, and L. E. Hamel. 1992, 17p EPA/600/A-92/162
Contract EPA-68-D0-0141
See also PB92-135904. Presented at the Air and Waste Management Association Annual Meeting, Kansas City, MO., June 1992. Sponsored by Environmental Protection Agency, Research Triangle Park, NC. Air and Energy Engineering Research Lab.

The research effort in corona destruction of volatile organic compounds (VOCs) and air toxics has shown significant promise for providing a valuable contribution to critical EPA and national goals of attaining the ozone standard in more than 100 non-attainment areas nationwide and reducing the health effects associated with exposures to hazardous air pollutants. The corona destruction technology could be especially useful in future years in helping industry meet the residual risk requirements of the Clean Air Act of 1990. Since 1988, EPA's Air and Energy Engineering Research Laboratory has conducted research in the area of corona destruction of VOCs and air toxics. The emerging concern for excessive concentrations of ambient ozone, for which many VOCs are precursors, the need to develop technology to control low concentration streams, and the economic advantages of ambient temperature operation provided impetus for the work on high intensity corona reactor devices. The purpose of the work is to develop an industrial scale corona reactor capable of efficiently and cost-effectively destroying VOCs and air toxics at ambient temperature and pressure. The work and results to date leading to the demonstration of the corona destruction process at pilot scale are presented in the paper.

Keywords: *Ozone, *Electric corona, *Volatile organic compounds, *Air pollution control equipment, Technology assessment, Toluene, Halohydrocarbons, Toxic materials, *Corona destruction.

PB92-206879/REB PC **A07**/MF **A02**
Illinois Lake Management Program Act Administrative Framework Plan. Final rept.
Illinois State Environmental Protection Agency, Springfield. Div. of Water Pollution Control.
Jun 92, 143p IEPA/WPC/91-212
Prepared in cooperation with Illinois Dept. of Conservation, Springfield, Illinois Dept. of Agriculture, Springfield, Illinois State Dept. of Transportation, Springfield, and Illinois Dept. of Energy and Natural Resources, Springfield.

The Administrative Framework Plan (AFP), developed pursuant to the Illinois Lake Management Program Act (P.A. 86-939), outlines a number of program goals and objectives designed to enhance, restore and protect Illinois' inland lake resources. In order to reach these goals, the AFP incorporates four major comprehensive lake management program components that include public education, technical assistance, monitoring/research, and financial incentives.

Keywords: *Management planning, *Lakes, *Pollution control, *Illinois, Education, Statutes, Technical assistance, Monitoring, Water pollution, Surveys, Financial management, Recreation, Questionnaires, Lake Management Program Act(Illinois), Nonpoint source.

PB92-206895/REB PC **A05**/MF **A01**
Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.
Evaluation of Personal Cooling Devices for Dioxin Clean-Up Operation.
Little (Arthur D.), Inc., Cambridge, MA.
W. T. Lawrence, and R. F. Goldman. 7 Sep 88, 84p EPA/600/R-92/137
Contract EPA-68-03-3293
See also PB86-236122 and PB86-176344. Prepared in cooperation with Multi-Tech, Inc., Natick, MA. Sponsored by Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.

The study investigated the use of personal coolers to increase worker productivity and safety while working at elevated, ambient temperatures cleaning up dioxin contaminated soil. The study included laboratory tests to measure the thermal characteristics of the chemical protective clothing worn and the performance of ice vest and vortex personal coolers. In addition, field tests were conducted at a dioxin clean-up site to evaluate the performance of these two types of personal coolers. The use of personal coolers was found to be an effective method of reducing the risk of heat stress. In addition, workers were able to work continuously in hot weather without following the procedure normally used to decrease heat stress, i.e., working one hour followed by one hour of resting. Both types of personal coolers were acceptable for the task being performed.

Keywords: *Dioxin, *Protective equipment, Graphs(Charts), Soil contamination, Field tests, Body temperature, Occupational exposure, *Personal cooling devices, *Superfund sites, Ice vests, Vortex coolers.

PB92-207166/REB PC **A07**/MF **A02**
Characterization of Municipal Solid Waste in the United States: 1992 Update. Final rept.
Environmental Protection Agency, Washington, DC. Office of Solid Waste and Emergency Response.
Jul 92, 135p EPA/530/R-92/019

The report is the most recent in a series of reports released by EPA to characterize municipal solid waste in the United States. It characterizes the national waste stream based on data through 1990 and includes information on: MSW generation from 1960 - 1990; MSW management (recovery for recycling and composting, combustion, and landfilling) from 1960 to 1990; characterizing MSW by volume as well as by weight; projections for MSW generation to the year 2000; projections for MSW combustion through 2000; and projections (presented in 3 recovery scenarios) for materials recovery for recycling and composting through 2000.

Keywords: *Solid waste disposal, *Municipalities, *United States, Waste management, Recycling, Earth fills, Composts, Combustion, Paper, Glass, Metals, Aluminum, Plastics, Grasses, Containers, History, Recovery, Food.

PB92-207687/REB PC **A04**/MF **A01**
Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.
Acoustic Location of Leaks in Pressurized Underground Petroleum Pipelines.
Vista Research, Inc., Mountain View, CA.
E. G. Eckert, and J. W. Maresca. Aug 92, 58p EPA/600/R-92/143
Contract EPA-68-03-3409
See also DE88008018. Prepared in cooperation with CDM Federal Programs Corp., Fairfax, VA. Sponsored by Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.

The objective of the work was to make an estimate of the accuracy of locating a leak in a pressurized petroleum pipeline, by means of passive acoustic sensors mounted on the outside wall of the pipeline, as a function of leak rate and distance between acoustic sensors. While there are regulatory standards for detection of leaks in underground pressurized pipelines, there are no standards for leak location. For rapid remediation, it would be highly desirable if the leak could be located within 10% of the length of the pipeline in the case of a line longer than 30.5 m (100 ft), or within 3.0 m (10 ft) in the case of a line shorter than 30.5 m (100 ft). This limits the excavation to only a small fraction of the line. As will be shown below, theoretical estimates suggest that the accuracy of the proposed technique should be better than 25 cm. These theoretical estimates, however, assume that the leak signal is large compared to the noise.

Keywords: *Acoustic monitoring, *Land pollution, *Pipelines, *Leak detectors, *Crude oil, Underground storage, Petroleum, Performance evaluation, Pressurizing, Graphs(Charts).

PB92-207695/REB PC **A05**/MF **A02**
No Migration Variances to the Hazardous Waste Land Disposal Prohibitions: A Guidance Manual for Petitioners (July 1992). Draft rept.
Environmental Protection Agency, Washington, DC. Office of Solid Waste.
D. E. Reeves, J. Greenberg, and L. Davies. Jul 92, 97p EPA/530/R-92/023
See also PB89-160006 and PB90-204736.

The draft guidance manual is intended to assist hazardous waste management facility owners and operators who may be considering petitioning the U.S. Environmental Protection Agency (EPA) for a variance from land disposal prohibitions at specific sites for specific wastes. The guidance manual also provides the EPA interpretation and suggested procedures to implement the regulatory standards and procedures set out in 40 CFR 268.6. Readers should note that this guidance document is only a draft, and will be updated consistent with the final 'No Migration' rule, scheduled for publication in January 1993.

Keywords: *Hazardous materials, *Waste management, *Land pollution abatement, *Pollution regulations, *Ground disposal, Guidelines, Manuals, Standards compliance, Quality assurance, Waste storage, Permits, Environmental impact assessments, US EPA, Hydrology, Site characterization, Water resources, Quality control, Resource Conservation and Recovery Act.

PB92-207703/REB PC **A12**/MF **A03**
Methods for the Determination of Organic Compounds in Drinking Water. Supplement 2.
Environmental Monitoring Systems Lab., Cincinnati, OH. Chemistry Research Div.
Aug 92, 270p EPA/600/R-92/129
See also Supplement 1, PB91-146027.

Eight analytical methods covering 133 organic contaminants which may be present in drinking water or

drinking water sources are described in detail. These methods will give the laboratory analyst the capability to accurately and precisely determine organic compounds currently regulated in drinking water, designated for regulation by the Office of Ground Water and Drinking Water in the near future, or are potential candidates for regulatory concern. The only method to determine volatile organic compounds in the manual, Method 524.2, Revision 4.0, has 24 new analytes added to the method analyte list. Four of the eight methods are improvements over older existing methods, and employ new analytical techniques, such as liquid-solid extraction, to improve method performance and reduce the use of organic solvents. Three of the methods are new methods for the determination of semivolatile compounds, one for ozonation disinfection by-products, one for phenoxyacid herbicides using the novel approach of in-line extraction/high performance liquid chromatography (HPLC), and one for nonvolatile compounds using particle beam HPLC/MS.

Keywords: *Organic compounds, *Chemical analysis, *Water pollution, Regulations, Sources, Volatile organic compounds, Solvents, Ozonization, Disinfection, Herbicides, Extraction, Liquids, Chromatographic analysis, Particle beams, Byproducts, *Drinking water, Safe Drinking Water Act, Chemicals.

PB92-208206/REB PC **A03**/MF **A01**
Environmental Protection Agency, San Francisco, CA. Region IX.
Alternative Daily Cover Materials for Municipal Solid Waste Landfills.
PRC Environmental Management, Inc., McLean, VA.
B. Thornton, and L. Mlenar. 1 Jun 92, 43p EPA/530/R-92/024
Contract EPA-68-W9-0041
See also PB 234 930. Sponsored by Environmental Protection Agency, San Francisco, CA. Region IX.

EPA Region 9 conducted a study on alternatives to soil for the application of daily cover to municipal solid waste landfills. Alternate daily cover materials can conserve landfill space and provide cover in areas with limited access to soil. Applying daily cover to the working face of municipal solid waste landfills is required by most States, and is required under EPA's new 40 CFR Part 258 landfill regulations. This study reviews the purpose and regulatory requirements for daily cover, and the performance, usability, and cost of approximately 20 materials, some indigenous (non-commercial) and some commercial. This report was produced using information gathered through interviews with users and producers of cover materials and limited existing literature.

Keywords: *Earth fills, *Municipal wastes, *Coverings, *Materials, Substitutes, Capping, Pollution regulations, Performance evaluation, Cost analysis, Foundry sands, Soils, Slurries, Foam, Sludges, Ashes, Composts, Dredged materials, EPA region 9, Geosynthetic materials, Green waste.

PB92-209295/REB PC **A03**/MF **A01**
At the Threshold: A National Consensus Quality Systems Standard for Environmental Programs, 1992.
Environmental Protection Agency, Research Triangle Park, NC. Quality Assurance Management Staff.
G. L. Johnson. 1992, 11p EPA/600/A-92/163
See also PB92-143783.

Since 1989, efforts have been under way by the Energy and Environmental Quality Division to develop a national consensus standard for quality systems for environmental programs. The proposed standard, ANSI/ASQC E4-19xx, Quality Systems Requirements for Environmental Programs, has just completed a second ballot and 'Wide Review' as part of ASQC's standard-setting process. The initial ballot indicated an 82% approval rate for the proposed standard. The proposed standard is also currently undergoing public comment as part of the ANSI review process. Approval of E4 by ASQC and ANSI is expected in early 1993. The paper is a progress report on the development of the proposed standard. As E4 is poised at the threshold of acceptance as an American National Standard, the next steps will involve the implementation and use of the new standard by government and industry.

Keywords: *Standards, *Quality assurance, *Environmental pollution, *Environmental management, Standards compliance, Requirements, Hazardous materials, Waste management, Radioactive materials, Water pollution standards, Air pollution standards, Land pollution, Remedial action, Environmental engineering, Data processing.

PB92-209303/REB PC **A02**/MF **A01**
Principles of Identifying and Characterizing Neurotoxicity.
Health Effects Research Lab., Research Triangle Park, NC.
R. C. MacPhail. 1992, 10p EPA/600/A-92/167
See also PB84-240811. Prepared in cooperation with North Carolina Univ. at Chapel Hill.

There is currently considerable interest in the neurotoxic effects of environmental pollutants. Some of this interest is due to epidemiological, clinical and laboratory studies showing that the nervous system is a target for many toxic substances. Laboratory research in neurotoxicology can be viewed as having two distinct approaches that focus on either the identification or the characterization of neurotoxic substances. Research on the identification of neurotoxicity deals mainly with the screening of chemicals for neurotoxicity. Research on the characterization of neurotoxicity deals mainly with efforts to discover the mechanism(s) of action of neurotoxic substances. These two research approaches represent critical elements of a tiered testing approach that could ultimately lead to more efficient testing protocols and a more comprehensive understanding of pollutant-induced neurotoxic risk in human populations.

Keywords: *Toxicity, *Nervous system, *Environmental pollutants, Humans, Tests, Risk assessment, Health hazards, Behavior.

PB92-209311/REB PC **A03**/MF **A01**
Detection and Disinfection of Pathogens in Storm-Generated Flows. Journal article.
Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.
M. L. O'Shea, and R. Field. c1991, 12p EPA/600/J-92/269
Pub. in Canadian Jnl. of Microbiology, v38 n4 p267-276 Apr 92.

The disease-producing potential of recreational waters is currently estimated through the use of certain bacterial indicators which are believed to be positively correlated with the presence of human-fecal contamination. In general, these indicators and their recommended limiting values have been adopted for use from existing standard methods for the analysis of sanitary wastewater. However, no bacterial indicator in use today exists solely in the feces of man, and not also elsewhere, e.g., in soils, vegetation, or the feces of insects and/or animals. Stormwater runoff is often rich in bacteria originating from these non-human (and largely non-disease producing) sources and can contain high densities of indicator bacteria. Consequently, for receiving waters containing discharges which originate primarily from separate storm drainage systems (and do not contain sanitary wastewater), these indicators are ill-suited to accurately assess the water's disease-producing capabilities. The paper briefly reviews the development of current bacterial standards and evaluates their adoption in the field of stormwater testing. Until more specific indicators of human pollution can be adopted, further epidemiological studies to determine stormwater's actual health risks are recommended. In conjunction with the bacterial contamination of storm-generated runoff, its unique disinfection requirements are discussed. Disinfection practices are reviewed and their adoption for stormwater and combined sewer overflow (CSO) is addressed.

Keywords: *Microorganism control(Water), *Biological indicators, *Storm water runoff, *Water pollution detection, *Water pollution control, *Pathogenic bacteria, Bacteria, Disinfection, Water quality, Combined sewers, Overflows, Standards, Microorganism control(Sewage), Reprints.

PB92-209329/REB PC **A03**/MF **A01**
Health Effects Research Lab., Research Triangle Park, NC.
Response of a Human Bronchial Epithelial Cell Line to Histamine: Intracellular Calcium Changes and Extracellular Release of Inflammatory Mediators. Journal article.
North Carolina Univ. at Chapel Hill. School of Medicine.
T. L. Noah, A. M. Paradiso, M. C. Madden, K. P. McKinnon, and R. B. Devlin. c20 Mar 91, 11p EPA/600/J-92/270
Pub. in American Jnl. of Respiratory, Cellular and Molecular Biology, v5 p484-492 1991. Sponsored by Health Effects Research Lab., Research Triangle Park, NC.

Epithelial cells are likely to modulate inflammation and tissue repair in the airways, but the factors responsible for these processes remain unclear. The authors therefore investigated the response of an SV-40/adenovirus-transformed human bronchial epithelial cell line (BEAS-2B) to histamine, a mediator with relevance for airway diseases. The intracellular calcium response to histamine (0.0001 M) was measured, using Fura-2 and microspectrofluorimetry. Histamine induced a transient increase in intracellular calcium that originated from intracellular sources; the effect was inhibited by the H1 receptor antagonist diphenhyramine, suggesting that BEAS cells retain functioning histamine receptors. BEAS cells were grown to confluence on microporous, collagen-coated filters, allowing measurement of vectorial release of soluble mediators. Monolayers exposed to histamine for 30 min released interleukin-6 and fibronectin in the apical direction, in a dose-dependent manner. Little eicosanoid production was induced by histamine, either in the apical or the basolateral direction, although BEAS cells constitutively produced small amounts of prostaglandin E2 and 15-HETE. However, these cells formed large amounts of eicosanoids in response to ozone exposure as a positive control. Comparison of the data with published reports for human airway epithelia in primary culture suggests that the BEAS cell line is, in a number of respects, a relevant model for the study of airway epithelial responses to a variety of stimuli.

Keywords: *Bronchi, *Cell line, *Histamine, *Calcium, *Inflammation, *Cytokines, Humans, Epithelium, Viral cell transformation, Fluorescence spectrometry, Diphenhydramine, Fibronectin, Interleukin-6, Leukotrienes, Eicosanoids, Reprints.

PB92-209337/REB PC **A03**/MF **A01**
Environmental Protection Agency, Research Triangle Park, NC. Neurotoxicology Div.
Triphenyl Phosphite-Induced Ultrastructural Changes in Bovine Adrenomedullary Chromaffin Cells. Journal article.
Duke Univ. Medical Center, Durham, NC.
J. K. Anderson, B. Veronesi, K. Jones, D. M. Lapadula, and M. B. Abou-Donia. c1992, 12p EPA/600/J-92/271
Pub. in Toxicology and Applied Pharmacology, v112 n1 Jan 92. Sponsored by Environmental Protection Agency, Research Triangle Park, NC. Neurotoxicology Div.

Primary cultures of bovine adrenomedullary chromaffin cells were treated with the phosphorous acid ester, triphenyl phosphite (TPP), and the morphological changes assessed by transmission electron and scanning microscopy. Parallel studies were carried out with the cholinergic compound 0,0-diethyl-4 nitrophenyl phosphate (paraoxon) and the delayed neurotoxicant 0,0-diisopropylphosphorofluoridate (DFP). Transmission and scanning electron microscopy revealed that treatment with both of these organophosphorous compounds did not produce the ultrastructural effects that were seen with TPP. Treatment with 100 micromoles TPP for 4 or 24 hours caused a marked inhibition (90% relative to controls) of adenosine incorporation. Neither 100 micromoles paraoxon or 100 micromoles DFP had an inhibitory effect on incorporation. The results support a specific affect of the triphenylphosphite, TPP, not a general toxic effect of organophosphorous compounds since the cholinergic agent paraoxon and the delayed neurotoxic compound DFP did not alter the cells ultrastructure.

Keywords: *Adrenal medulla, *Chromaffin granules, *Toxicology, Cultured cells, Cattle, Electron microscopy, Paraoxon, Isoflurophate, Nervous system, Adenosine, Adenosine triphosphate, Reprints, *Triphenyl phosphite.

PB92-209345/REB PC **A02**/MF **A01**
Health Effects Research Lab., Research Triangle Park, NC.

Measurement of Tyrosine Hydroxylase Apoenzyme Protein by Enzyme-Linked Immunosorbent Assay (ELISA): Effects of 1-Methyl-4-Phenyl-1,2,3,6-Tetrahydropyridine (MPTP) on Striatal Tyrosine Hydroxylase Activity and Content. Journal article.
Wellcome Research Labs., Research Triangle Park, NC.
J. F. Reinhard, and J. P. O'Callaghan. c1991, 8p EPA/600/J-92/272
Pub. in Analytical Biochemistry, v196 n2 p296-301, 1 Aug 91. Sponsored by Health Effects Research Lab., Research Triangle Park, NC.

An enzyme-linked immunosorbent assay (ELISA) has been developed for tyrosine hydroxylase (TH). The method uses a polyclonal antibody to trap TH, a monoclonal antibody to bind the immobilized TH, a biotinylated, anti-mouse immunoglobulin to bind the monoclonal antibody, and streptavidin covalently coupled to horseradish peroxidase (SA-HRP). The incubations are performed at 37 C and the antigen-antibody complex detected colorometrically following incubation with an HRP substrate. The method detects less than 1 ng (16 fmol) of TH and can be performed in 3 hours or less on multiples of 96. The high specificity of the assay is attributed to the use of both polyclonal and monoclonal antibodies, each of which are specific for TH. Data acquisition and reduction is rapid (10 seconds/plate) and linked directly to a common desktop computer. Levels of TH protein average 1 ng/micrograms protein in striatum and, following treatment with the neurotoxicant MPTP (1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine), are decreased to a similar extent as is catalytic activity. In contrast, MPTP did not alter TH homospecific activity. The monoamine oxidase B inhibitor deprenyl blocked both the decrease in activity and the decrease in immunoreactive protein caused by MPTP.

Keywords: *Tyrosine hydroxylase, *Enzyme-linked immunosorbent assay, *Corpus striatum, Monoclonal antibodies, Mice, IgG, Reagents, Immunoenzyme techniques, Horseradish peroxidase, Antibody specificity, Reprints, *Methylphenyl tetrahydropyridine.

PB92-209352/REB PC **A02**/MF **A01**
Health Effects Research Lab., Research Triangle Park, NC.
Respiratory Syncytial Virus Infection of Human Primary Nasal and Bronchial Epithelial Cell Cultures and Bronchoalveolar Macrophages. Journal article.
North Carolina Univ. at Chapel Hill.
S. Becker, J. Soukup, and J. Yankaskas. c1992, 7p EPA/600/J-92/273
Contract EPA-68-D0-0110
Pub. in American Jnl. of Respiratory Cell and Molecular Biology, v6 n4 p369-374 Apr 92. Sponsored by Health Effects Research Lab., Research Triangle Park, NC.

In adults, clinical symptoms caused by respiratory syncytial virus (RSV) are confined to the upper respiratory tract, while RSV infection in infants frequently causes bronchiolitis and pneumonia. The preferential localization of RSV infection to the upper airways may be due partially to protective immunity, but may also depend on a difference in susceptibility of epithelial cells from upper and lower airways, or on antiviral activities of bronchoalveolar macrophages (AM). In the study, the authors have compared the susceptibility of primary adult human nasal epithelium (NE), primary human bronchial epithelium (BE), a human bronchial epithelial cell line (BEAS-2B), and adult human AM, to infection with RSV. The cell cultures were infected with multiplicities of infection (moi) of 1 and 0.1. Virus release into the supernatants was assayed at days 1, 2, 4, and 7, and % of virus positive cells determined by immunofluorescence at the same timepoints. Based on study observations, the authors conclude that at least under the conditions of primary culture, both adult human NE and BE are highly susceptible to RSV infection; however, the NE release more infectious virus than BE. Although AM are infected by RSV, virus replication and spread by reinfection are restricted in these cells, suggesting that AM are probably not important in the spread of virus, and may play a protective role in RSV infection of the bronchoalveolar region of the lung.

Keywords: *Alveolar macrophages, *Bronchi, *Respiratory syncytial virus, *Respiratory infections, Cultured cells, Epithelium, Humans, Nose(Anatomy), Virus replication, Reprints.

PB92-209360/REB PC **A03**/MF **A01**
Health Effects Research Lab., Research Triangle Park, NC.
Dose-Related Inhibition of Brain and Plasma Cholinesterase in Neonatal and Adult Rats Following Sublethal Organophosphate Exposures. Journal article.
Northeast Louisiana Univ., Monroe. School of Pharmacy.
C. N. Pope. c1992, 11p EPA/600/J-92/274
Pub. in Toxicology, v73 n1 p35-43 Mar 92. Sponsored by Health Effects Research Lab., Research Triangle Park, NC.

Developing mammals are markedly more sensitive to acute toxicity from exposure to a variety of organophosphorus (OP) pesticides. The present study examined dose-related inhibition of both brain and plasma cholinesterase activity in neonatal and adult rats exposed to sublethal doses of one of three common OP pesticides, methyl parathion, parathion and chlorpyrifos. Effective dose 50 (i.e., ED50 or dose which would inhibit 50% of the cholinesterase activity) values were determined and then correlated with an indicator of acute toxicity, the maximal tolerated dose (MTD). It was found that ED50 estimates for both brain and plasma cholinesterase correlated highly (r = 0.932-0.992) with previously derived MTD values. In no case was there a significant difference between in vivo brain and plasma cholinesterase sensitivity as expressed by ED50 values. The correlation between the extent of brain and plasma cholinesterase inhibition across doses in neonatal rats was high (r = 0.962-0.975) but lower in adults (r = 0.700-0.943). The results suggest that in vivo inhibitory potency of the three OPs towards either brain or plasma ChE activity is highly correlated with sensitivity to acute toxicity in both neonatal and adult rats. Additionally, under defined experimental conditions, plasma ChE inhibition may be a useful quantitative index for the degree of brain cholinesterase inhibition following OP exposures. (Copyright (c) 1992 Elsevier Scientific Publishers Ireland Ltd.)

Keywords: *Cholinesterase inhibitors, *Brain, *Blood, *Organophosphate insecticides, Dursban, Regression analysis, Methyl parathion, Parathion, In vivo analysis, Rats, Newborn animals, Reprints.

PB92-209378/REB PC **A07**/MF **A02**
Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.
Higher Plant Accumulation of Organic Pollutants from Soils. Final rept.
Liverpool Univ. (England).
R. M. Bell. Jun 92, 142p EPA/600/R-92/138
Grant EPA-R-812845
See also PB89-120836 and PB91-177071. Sponsored by Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.

The purpose of the work was to determine the effect of higher plants on sites polluted by organic chemicals and to discuss the potential of using plants as an in situ cleanup treatment. The work is based primarily on literature review but also includes greenhouse experiments and field testwork. It is concerned with the behavior of organic pollutants in the plant-soil environment, plant uptake and accumulation of organic pollutants, and variation in uptake by different plant species in different conditions. The literature review involved keyword searches into suitable databases and review of over 750 scientific publications for information. Within the report greater emphasis was placed on the few reports where sufficient details concerning experimental methods to make comparisons is provided. The greenhouse experiments were undertaken to investigate the actual extent of plant uptake of pollutants from soils under known environmental conditions. The field testwork was undertaken to quantify natural effects. The report is not concerned with foodchain effects and is not concerned with effects of the pollutant on the plant itself.

Keywords: *Bioaccumulation, *Land pollution control, *Plants(Botany), *Organic compounds, *Remedial action, Plant morphology, Field tests, Soil contamination, Soil mechanics, Reviews, Waste disposal, Toxicity, Farm crops, Root distribution, Root systems, In-situ processing, pesticides, Experimental design, Environmental effects, Environmental transport, *Cleanup operations.

PB92-209386/REB PC **A11**/MF **A03**
***Procedures for Emission Inventory Preparation.* Volume 4: Mobile Sources.**
Environmental Protection Agency, Ann Arbor, MI. Office of Mobile Sources.
N. Dobie. Jul 92, 240p EPA/450/4-81/026D-REV
See also PB82-240136.

The amendments to the Clean Air Act require states to develop '...comprehensive, accurate, and current...' inventories of each pollutant from all sources for every non-attainment area, in conjunction with the preparation of revised State Implementation Plans (SIPs). To assist states in meeting the Clean Air Act requirements for emission inventory development, EPA has prepared a five-volume series that describes in detail many of the technical aspects of the inventory process. The document is the fourth volume in the series, and it focuses on mobile sources. Specifically the document presents detailed methods that can be used to identify sources, estimate emissions, and establish and maintain a useful, current mobile source emissions inventory. Special attention has been given to preparing the 1990 SIP inventories. Individual chapters present specific methods that should be used to derive emission estimates for each of the primary mobile source subcategories, which include highway vehicles, nonroad sources, aircraft, and locomotives.

Keywords: *Mobile pollutant sources, *Exhaust emissions, Air pollution sampling, Clean Air Act, Locomotives, Pollution sources, Hydrocarbons, Carbon monoxides, Nitrogen oxides, Motor vehicles, Aircraft, Ships, *Emission inventories, MOBILE 4.1 model.

PB92-212976/REB PC **A12**/MF **A03**
Environmental Protection Agency, Research Triangle Park, NC. Air and Energy Engineering Research Lab.
Air Emissions from the Treatment of Soils Contaminated with Petroleum Fuels and Other Substances. Final rept. Jan 91-May 92.
Radian Corp., Austin, TX.
B. Eklund, P. Thompson, A. Inglis, and W. Dulaney. Jul 92, 268p EPA/600/R-92/124
Contracts EPA-68-D1-0117, EPA-68-D0-0125
See also PB92-171925. Sponsored by Environmental Protection Agency, Research Triangle Park, NC. Air and Energy Engineering Research Lab.

The report summarizes available information on air emissions from the treatment of soils contaminated with fuels. Soils contaminated by leaks or spills of fuel products, such as gasoline or jet fuel, are a nationwide concern. Air emissions during remediation are a potential problem due to the volatile nature of many of the fuel components and the remediation processes themselves, which may promote or result in contaminant transfer to the vapor phase. Limited information is also included on air emissions from the treatment of soils contaminated with hazardous wastes. The report will allow staff from state and local regulatory agencies, as well as staff from EPA regional offices, to assess the options for cleaning up soil contaminated with fuels. Seven general remediation approaches are addressed. For each, information is presented about the remediation process, the typical air emission species of concern and their release points, and the available air emissions data. Control technologies for each approach are identified and their reported efficiencies are summarized. Cost data are given for each approach and for its associated control technologies. Emission factors and other emission estimation procedures for each remediation approach are presented along with a brief case study.

Keywords: *Soil treatment, *Air pollution, *Oil spills, *Land pollution control, Remedial action, Soil contamination, Oil pollution, Emission factors, Volatility, Fossil fuels, Petroleum products, Hazardous materials, Cost analysis, *Cleanup operations.

PB92-213198/REB PC **A06**/MF **A02**
Peer Review Workshop Report on a Framework for Ecological Risk Assessment.
Environmental Protection Agency, Washington, DC. Risk Assessment Forum.
Feb 92, 112p EPA/625/3-91/022
See also PB91-141796. Report on a Peer Review Workshop held in Rockville, MD. on May 14-16, 1991.

The framework draft and the workshop were part of a new EPA program for developing risk assessment guidelines for ecological effects. The workshop report

presents general information on the Rockville Workshop, which was chaired by Dr. James Fava of Roy F. Weston, Inc. The report features the chairperson's summary of the workshop findings and includes a copy of the framework draft that was the subject of the Rockville peer review. Based on the highly constructive and useful suggestions presented in the chairperson's summary, EPA is simplifying and streamlining the framework draft for publication in fall 1991 as a step toward future development of EPA guidelines for ecological risk (ecorisk) assessment.

Keywords: *Ecology, *Risk assessment, *Pollution, *Meetings, Guidelines, Monitoring, Research project, Verification, Recommendations, Flow charts, Stresses, Environmental impacts, Biology, Chemical properties, Physical properties, Rockville workshop, Framework.

PB92-213206/REB PC **A08**/MF **A02**
Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.
Facility Pollution Prevention Guide.
Battelle, Columbus, OH.
May 92, 154p EPA/600/R-92/088
Contract EPA-68-C0-0003
See also PB87-114328, PB90-220376, PB91-148387 and PB91-233858. Sponsored by Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.

The U.S. Environmental Protection Agency (U.S. EPA) has developed the Facility Pollution Prevention Guide for those who are interested in and responsible for pollution prevention in industrial or service facilities. It summarizes the benefits of a company-wide pollution prevention program and suggests ways to incorporate pollution prevention in company policies and practices. The Guide describes how to establish a company-wide pollution prevention program. It outlines procedures for conducting a preliminary assessment to identify opportunities for waste reduction or elimination. Then, it describes how to use the results of the preassessment to prioritize areas for detailed assessment, how to use the detailed assessment to develop pollution prevention options, and how to implement those options that withstand feasibility analysis. Methods of evaluating, adjusting, and maintaining the program are described. Later chapters deal with cost analysis for pollution prevention projects and with the roles of product design and energy conservation in pollution prevention. Appendices consist of materials that will support the pollution prevention effort: assessment worksheets, sources of additional information, examples of evaluative methods, and a glossary.

Keywords: *Pollution abatement, *Environmental protection, *Guidelines, *Waste management, *Environmental management, Pollution regulations, US EPA, Environmental impact assessments, Implementation, Economic analysis, Energy conservation, Industrial wastes, State programs, Education, Natural resources management, Waste water, Compliance, Waste minimization, Source reduction, Pollution Prevention Act of 1990.

PB92-213214/REB PC **A04**/MF **A01**
Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.
Horsehead Resource Development Company, Inc. Flame Reactor Technology: Applications Analysis Report. Rept. for Jun 90-Mar 92.
PRC Environmental Management, Inc., Chicago, IL.
K. Partymiller. May 92, 70p EPA/540/A5-91/005
Contract EPA-68-C0-0047
See also PB92-139401 and PB92-505822. Prepared in cooperation with Horsehead Resource Development Co., Inc., Monaca, PA. Sponsored by Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.

A SITE demonstration of the Horsehead Resource Development (HRD) Company, Inc. Flame Reactor Technology was conducted in March 1991 at the HRD facility in Monaca, Pennsylvania. For the demonstration, secondary lead smelter soda slag was treated to produce a potentially recyclable lead- and zinc-enriched oxide product and a nonhazardous (based on the regulatory requirements of the Toxicity Characteristic test) effluent slag. The lead and zinc in the oxide product were concentrated about threefold from the feed concentrations. The effluent slag was determined to be nonhazardous based on extraction by the Toxicity Characteristic Leaching Procedure. Potential wastes that might be treated include industrial residues, Resource Conservation and Recovery Act wastes, Superfund wastes, and other wastes contaminated with metals and organic wastes.

Keywords: *Thermal reactors, *Materials recovery, *Waste treatment, Slags, Lead(Metal), Zinc, Industrial wastes, Superfund, Metals, Remedial action, Soil contamination, Performance evaluation, Lead oxides, Case studies, High temperature tests, *Superfund Innovative Technology Evaluation Program, *Horsehead Resource Development Company, Monaca(Pennsylvania), Resource Conservation and Recovery Act, Cleanup operations.

PB92-213222/REB PC **A04**/MF **A01**
Environmental Protection Agency, Research Triangle Park, NC. Office of Air Quality Planning and Standards.
Guideline for Regulatory Application of the Urban Airshed Model for Areawide Carbon Monoxide. Volume 1. Technical Report.
Systems Applications International, San Rafael, CA.
E. L. Carr, J. L. Fieber, and R. C. Kessler. Jun 92, 71p EPA/450/4-92/011A
Contract EPA-68-D0-0124
See also PB91-131227 through PB91-131268, PB86-245248, PB88-150958, PB92-108760, PB92-112150 and Volume 2, PB92-213230. Sponsored by Environmental Protection Agency, Research Triangle Park, NC. Office of Air Quality Planning and Standards.

The State Implementation Plan (SIP) revisions demonstrating attainment of the Carbon Monoxide (CO) National Ambient Air Quality Standards (NAAQS) are required under the Clean Air Act Amendments of 1990. Urban areawide modeling and intersection modeling are recommended to address attainment of the CO NAAQS. The Urban Airshed Model (UAM) has been identified as an effective urban areawide model for evaluating emission control requirements needed to attain the CO NAAQS. The purpose of the document is to provide guidance in the procedures used to apply the UAM for CO SIP attainment demonstrations.

Keywords: *Carbon monoxide, *Urban areas, *Air pollution, Disbersing, Atmospheric circulation, Mathematical models, State government, Quality assurance, Wind(Meteorology), Emission, Inventories, Data bases, Boundaries, Concentration(Composition), Performance evaluation, Urban airshed model, Clean Air Act Amendments.

PB92-213230/REB PC **A04**/MF **A01**
Environmental Protection Agency, Research Triangle Park, NC. Office of Air Quality Planning and Standards.
Guideline for Regulatory Application of the Urban Airshed Model for Areawide Carbon Monoxide. Volume 2. Appendices.
Systems Applications International, San Rafael, CA.
E. L. Carr, J. L. Fieber, and R. C. Kessler. Jun 92, 58p EPA/450/4-92/011B
Contract EPA-68-D0-0124
See also Volume 1, PB92-213222. Sponsored by Environmental Protection Agency, Research Triangle Park, NC. Office of Air Quality Planning and Standards.

Contents: Appendix A: Recommended Modeling Protocol Contents; Appendix B: Performance Measure Formulations; and Appendix C: Technical Discussion of UAM Model Inputs with Example Application.

Keywords: *Carbon monoxide, *Urban areas, *Air pollution, Mathematical models, Government policies, Guidelines, Regulations, Technology transfer, Legislation, Air flow, Boundaries, Meteorology, Data bases, Quality assurance, Performance evaluation.

PB92-213248/REB PC **A03**/MF **A01**
Interagency Workgroup on Air Quality Modeling (IWAQM) Work Plan Rationale.
Environmental Protection Agency, Research Triangle Park, NC. Office of Air Quality Planning and Standards.
J. S. Irwin. May 92, 26p EPA/454/R-92/001

The document presents a status report and workplan rationale for the operation of the Interagency Workgroup on Air Quality Modeling (IWAQM). The workgroup was formed to provide a focus for development of technically sound regional air quality models for regulatory assessments of pollutant source impacts on Federal class I areas. The paper was published in an effort to inform the sponsoring Agencies and other interested parties out IWAQM activities.

Keywords: *Air pollution control, *Air quality, *Mathematical models, *Atmospheric diffusion, Dispersing, Interagency cooperation, Pollution sources, Regional analysis, Pollution regulations, Aerosols, Environmental transport, Meteorology, Visibility, Aquatic ecosystems, Terrestrial ecosystems, Air water interactions, Air land interactions.

PB92-213255/REB PC **A11**/MF **A03**
User's Guide for the SYSPOP Program: A PC Version of the PRESTO-EPA-POP Operation System. Version 1.0.
Office of Radiation Programs, Washington, DC.
C. Y. Hung. 1 May 92, 228p EPA/400/R-92/003
See also PB88-216106 and PB88-216114.

The report describes the PC Version of the PRESTO-EPA-POP Operating System. This is one of a family of PRESTO-EPA models that can be used to calculate the potential fatal health effects and serious genetic effects for the general population downstream of a low-level radioactive waste (LLW) disposal site. The model is also considered to be suitable for the initial screening of candidate LLW disposal sites.

Keywords: *Computerized simulation, *User manuals(Computer programs), *Radiation effects, *Public health, Radioactive waste disposal, Input/output routines, Low level radioactive wastes, Radiation doses, Health hazards, Environmental transport, *SYSPOP program, *PRESTO-EPA-POP model, PRESTO-EPA computer program.

PB92-213263/REB PC **A08**/MF **A02**
Production of Acetal, Amino, and Phenolic Resins.
Environmental Protection Agency, Research Triangle Park, NC. Office of Air Quality Planning and Standards.
Jul 92, 151p EPA/450/3-92/015

The document provides information obtained on the manufacturing processes of three formaldehyde-based resins - phenolic, amino, and acetal resins. It also provides information on the companies that produce these resins and determines those facilities that are major sources of hazardous air pollutants (HAP's) based on their controlled emission data. A major source is defined as '...any source or group of stationary sources located within a contiguous area and under common control that emits or has the potential to emit considering controls, in the aggregate, 10 tons per year of any HAP or 25 tons per year or more of any combination of HAP's'. The information reported was gathered to support the development of a potential National Emission Standard for Hazardous Air Pollutants for the manufacture of these formaldehyde-based resins.

Keywords: *Air pollution standards, *Industrial wastes, *Plastics industry, *Thermoplastic resins, Amino resins, Acetal resins, Stationary sources, Air pollution control, Pollution regulations, Water pollution control, Air pollution sampling, Concentration(Composition), Tables(Data), Process charting, Polymerization, Phenolic resins, Thermosetting resins, *National Emission Standard for Hazardous Air Pollutants, Fugitive emissions, Maximum Achievable Control Technology, Emission inventories.

PB92-216035/REB PC **A09**/MF **A02**
Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.
Technology Evaluation Report of Retech, Inc., Plasma Centrifugal Furnace. Volume 1.
Science Applications International Corp., San Diego, CA.
Jul 92, 190p EPA/540/5-91/007A
Contract EPA-68-C0-0048
See also PB92-216043 and DE91015815. Sponsored by Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.

A demonstration of the Retech, Inc. Plasma Centrifugal Furnace (PCF) was conducted under the Superfund Innovative Technology Evaluation (SITE) Program at the Department of Energy's (DOE's) Component Development and Integration Facility in Butte, Montana. The furnace uses heat generated from a plasma arc to melt and vitrify solid feed material. The feed soil was a mixture of Silver Bow Creek soil and 10% by weight No. 2 diesel oil, spiked to provide 28,000 ppm zinc oxide and 1000 ppm hexachlorobenzene in the soil/oil mixture. Pre-treatment soil and

scrubber liquor/makeup sampling was performed to characterize the material inputs to the process. Following treatment, the vitrified soil, scrubber liquor, and stack gas were sampled to determine the technology's suitability for use in destroying and immobilizing contaminants in the test soil. The results from the test were used to draw conclusions on the technology. The conclusions derived from the test results are presented.

Keywords: *Plasma furnaces, *Incinerators, *Waste disposal, *Hazardous materials, Combustion efficiency, High temperature tests, Air pollution control, Soil treatment, Metals, Land pollution, Montana, Performance evaluation, Design criteria, Vitrification, Superfund, Encapsulation, Technology utilization, Scrubbers, Superfund Innovative Technology Evaluation Program, Retech Incorporated, Principal Organic Hazardous Constituent, Butte(Montana).

PB92-216043/REB PC **A15**/MF **A03**
Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.
Technology Evaluation Report of Retech, Inc., Plasma Centrifugal Furnace. Volume 2.
Science Applications International Corp., San Diego, CA.
Jul 92, 331p EPA/540/5-91/007B
Contract EPA-68-C0-0048
See also PB92-216035. Sponsored by Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.

A demonstration of the Retech, Inc. Plasma Centrifugal Furnace (PCF) was conducted under the Superfund Innovative Technology Evaluation (SITE) Program at the Department of Energy's (DOE's) Component Development and Integration Facility in Butte, Montana. The following conclusions were derived from the test results: (1) the treated soil did not leach any metals at levels above the regulatory limits; (2) the process achieved a Destruction and Removal Efficiency (DRE) of greater than 99.99% for the Principal Organic Hazardous Constituent (POHC); (3) the air pollution control system did not reduce the level of particulate emissions to below the RCRA limit; (4) a high percentage of the metals fed to the furnace are encapsulated in the treated soil; (5) the PCF is advantageous over other incinerator technologies in that it can successfully immobilize heavy metals in the slag; however, this treatment option can be more expensive than conventional incineration. The report is the second volume of the two-volume series. This volume contains the appendixes for the demonstration of the plasma centrifugal furnace.

Keywords: *Plasma furnaces, *Incinerators, *Waste disposals, *Hazardous materials, Combustion efficiency, High temperature tests, Air pollution control, Soil treatment, Metals, Performance evaluation, Vitrification, Superfund, Encapsulation, Technology utilization, Scrubbers, Montana, Land pollution, Superfund Innovative Technology Evaluation Program, Retech Incorporated, Principal Organic Hazardous Constituent, Butte(Montana).

PB92-216886/REB PC **A11**/MF **A03**
Environmental Monitoring Systems Lab., Las Vegas, NV. Advanced Monitoring Systems Div.
Handbook of Suggested Practices for the Design and Installation of Ground-Water Monitoring Wells (Revised). Rept. for Jun 85-May 89.
Bennett and Williams, Inc., Columbus, OH.
L. Aller, T. W. Bennett, G. Hackett, R. J. Petty, and J. H. Lehr. Mar 91, 231p EPA/600/4-89/034-REV
See also PB84-174820 and PB90-159807. Prepared in cooperation with Ohio Dept. of Natural Resources, Columbus. Div. of Groundwater, National Water Well Association, Dublin, OH., and Blasland, Bouck and Lee, Westerville, OH. Sponsored by Environmental Monitoring Systems Lab., Las Vegas, NV. Advanced Monitoring Systems Div.

The Handbook of Suggested Practices for the Design and Installation of Ground-Water Monitoring Wells is intended to assist personnel involved with the design, construction, and installation of ground-water monitoring wells. The document does not focus on specific regulatory requirements, but instead presents state-of-the-art technology that may be applied in diverse hydrogeologic situations. The 'Handbook' addresses field-oriented practices to solve monitoring well construction problems rather than conceptual or idealized practices. The information in the 'Handbook' is presented in both matrix and text form. The matrices use a relative numerical rating scheme to guide the user toward appropriate drilling technologies for particular monitoring situations. The text provides the narrative overview of the criteria that influence ground-water monitoring well design and construction in various hydrogeologic settings.

Keywords: *Water pollution sampling, *Ground water, *Water wells, Handbooks, Environmental monitoring, Design criteria, Installing, Hydrogeology, State of the art, Drilling, Construction, Equipment, Site characterization, Environmental transport.

PB92-216894/REB PC **A08**/MF **A02**
Environmental Monitoring Systems Lab., Las Vegas, NV.
Characterizing Heterogeneous Wastes: Methods and Recommendations (March 26-28, 1991).
Nevada Univ., Las Vegas. Harry Reid Center for Environmental Studies.
G. L. Rupp, and R. R. Jones. Feb 92, 161p EPA/600/R-92/033
Sponsored by Environmental Monitoring Systems Lab., Las Vegas, NV., and Department of Energy, Washington, DC. Office of Technology Development.

Sites where the wastes are of large size or varied composition, including landfills and drum dumps, present severe difficulties to investigators attempting to collect representative samples to facilitate site cleanup decisions. This document serves as the workshop proceedings. It summarizes the study planning tools, sampling design strategies now in use, identifying the advantages and disadvantages of each. Areas that would benefit from research or development, or the adoption of new approaches, are identified. Regulatory definitions are augmented with practical working definitions. The discussion of the study planning process emphasizes the establishment of reasonable goals and the participation of the decision maker, and the technical specialists.

Keywords: *Hazardous materials, *Waste management, *Meetings, *Remedial action, *Radioactive wastes, Quality assurance, Quality control, Sampling, Earth fills, Waste disposal, Regulations, Standards, Recommendations, Research and development, Site characterization, Chemical compounds, *Cleanup operations, *Heterogeneous wastes.

PB92-216910/REB PC **A04**/MF **A01**
Environmental Protection Agency, Research Triangle Park, NC. Office of Air Quality Planning and Standards.
Feasibility of Including Regional and Temporal VOC Emissions Estimates in the EPA Emissions Trends Report.
Pechan (E.H.) and Associates, Inc., Durham, NC.
G. Gschwandtner, W. Barnard, and P. Carlson. Sep 90, 66p EPA/450/4-91/005A
Contract EPA-68-02-4400
See also PB90-199266 and PB90-200114. Sponsored by Environmental Protection Agency, Research Triangle Park, NC. Office of Air Quality Planning and Standards.

The report describes the results of Part 1 of a two-part study. Part 1 was intended to evaluate the feasibility of developing regional and temporal emission trends for VOC. Part 2 was to evaluate the feasibility of developing PM-10 emission trends, also on a regional basis. These studies are part of the effort underway to improve the national emission trends. Part 2 is presented in a separate report. The study was designed to account for regional emissions from highway vehicles as a function of ambient temperature and Reid Vapor Pressure (RVP). Also, it was designed to investigate the sensitivity to emission estimates due to high ambient temperatures typically associated with high ozone days.

Keywords: *Volatile organic compounds, *Air pollution, *Exhaust emissions, *Motor vehicles, *United States, *Trends, *Emission factors, *Feasibility, Gasoline, Volatility, Seasonal variations, Regional geography, Temperature, Air pollution control, Tables(Data), Reid Vapor Pressure.

PB92-216928/REB PC **A03**/MF **A01**
Environmental Protection Agency, Research Triangle Park, NC. Air and Energy Engineering Research Lab.
Recommended Operating Procedure Number 56: Collection of Gaseous Grab Samples from Combustion Sources for Nitrous Oxide Measurement.
Final rept. Jan-Dec 91.
Acurex Environmental Corp., Research Triangle Park, NC.
J. V. Ryan, and S. A. Karns. Jul 92, 29p EPA/600/R-92/141
Contract EPA-68-DO-0141
See also PB90-238502. Sponsored by Environmental Protection Agency, Research Triangle Park, NC. Air and Energy Engineering Research Lab.

The document is a recommended operating procedure (ROP), prepared for use in research activities conducted by EPA's Air and Energy Engineering Research Laboratory (AEERL). The procedure applies to the collection of gaseous grab samples from fossil fuel combustion sources for subsequent analysis of nitrous oxide. The procedure details only the grab sampling methodology and associated equipment.

Keywords: *Air pollution sampling, *Nitrogen oxide(N2O), *Combustion products, Sample preparation, Continuous sampling, Fossil fuels, Containers, Laboratory equipment, Sorbents, Operations, Procedures.

PB92-216936/REB PC **A07**/MF **A02**
Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.
On-Site Engineering Report for the Low-Temperature Thermal Desorption Pilot-Scale Test on Contaminated Soil.
IT Environmental Programs, Inc., Cincinnati, OH.
M. L. Smith, A. Groen, J. Hessling, and E. Alperin. Jul 92, 134p EPA/600/R-92/142
Contract EPA-68-C9-0036
Prepared in cooperation with IT Corp., Knoxville, TN. Sponsored by Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.

Performance of the thermal desorption process for removal of organic contaminants, mostly polynuclear aromatic hydrocarbons (PAHs), from soils was evaluated. The Superfund Site soil tested was a fine sandy soil contaminated with creosote. An optimum operating temperature of 550 C and an optimum operating residence time of 10 min, determined from bench studies, were used in the pilot-scale desorber. Contaminants removed from the soil were captured or destroyed in the associated air pollution control equipment. Test results showed that greater than 99% of the PAHs were removed from the soil. The concentration of total PAHs averaged 4629 mg/Kg in the pretreated soils and were below detection in the posttreated soils.

Keywords: *Soil treatment, *Land pollution control, *Thermal degradation, *Desorption, Separation, Aromatic polycyclic hydrocarbons, Low temperature tests, Soil contamination, Superfund, Pollution regulations, Creosote, Air pollution control equipment, Performance evaluation, Quality assurance, Quality control, Soil analysis, Land disposal restrictions, Resource Conservation and Recovery Act.

PB92-216944/REB PC **A07**/MF **A02**
Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.
Arsenic and Mercury Workshop on Removal, Recovery, Treatment and Disposal. Abstract Proceedings. Held in Alexandria, Virginia on August 17-20, 1992.
Science Applications International Corp., Fort Washington, PA.
R. J. Turner, and J. Labiosa. Aug 92, 134p EPA/600/R-92/105
Contract EPA-68-C8-0062
Sponsored by Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.

A workshop on removal, recovery, treatment, and disposal of arsenic and mercury wastes was held in Alexandria, Virginia on August 17 through 20, 1992. The goals of the workshop were: (1) to examine the chemical fundamentals and analytical issues related to As and Hg compounds, (2) to disseminate information of the state of practice in source reduction, in technologies that recover or remove As and Hg from industrial wastes, and recycling or reuse processes, and (3) to present a discussion of existing and emerging technologies that treat industrial wastes or contaminated soil

and water, and the storage and disposal of treated wastes. The Abstract Proceeding is organized into two sections: Session A-Arsenic and Session B-Mercury and contains extended abstracts of the paper presentations. The abstracts cover papers on fundamentals; analytical techniques/characterization; removal, recovery, and reuse; and treatment, storage, and disposal.

Keywords: *Meetings, *Waste management, *Hazardous materials, Land pollution, Arsenic, Mercury(Metal), Materials recovery, Waste treatment, Waste disposal, Chemical analysis, Water pollution control, Soil treatment, Industrial wastes, Waste utilization, Biological treatment, Separation, Information dissemination, Waste recycling, Remedial action, Chemical treatment.

PB92-216951/REB PC **A07**/MF **A02**
Workshop: Application of Microcosms for Assessing the Risk of Microbial Biotechnology Products. Held in Hunt Valley, Maryland on May 19, 1992.
Environmental Research Lab., Gulf Breeze, FL.
C. R. Cripe, P. H. Pritchard, and A. M. Stern. May 92, 141p EPA/600/R-92/066

The U.S. Environmental Protection Agency (EPA) develops testing methods to support assessments of the environmental risks associated with the release of microorganisms and microbial pest control agents. Microcosms may be used as one step in the progression of product development from laboratory to field experimentation. The utility of microcosms in this process is, in some measure, dependent on the capacity of the test system to simulate environmental complexity, and consequently, to provide relevant answers to questions of environmental concern that may be raised by the regulatory community. The usefulness of current microcosm systems to evaluate and provide relevant information on a variety of regulatory endpoints pertinent to environmental risk assessment of microbial products was examined by workshop participants who met at Hunt Valley, MD, on January 23-27, 1989. A total of 14 generic and site-specific microcosms, portraying terrestrial and aquatic habitats with varying degrees of ecosystem complexity, was examined. The endpoints of ecological effects and other performance characteristics were compared for each microcosm system. Finally, future directions of microcosm research that appear to be required to fill gaps in the state-of-the-science were recommended.

Keywords: *Biotechnology, *Microorganisms, *Meetings, Ecology, Biological pest control, Risk assessment, Field tests, Aquatic ecosystems, Terrestrial ecosystems.

PB92-216969/REB PC **A03**/MF **A01**
Environmental Protection Agency, Cincinnati, OH. Center for Environmental Research Information.
Sequencing Batch Reactors: Summary Report.
Dynamac Corp., Rockville, MD.
T. Bartell. Oct 86, 28p EPA/625/8-86/011
See also PB87-146304, PB86-107547, and PB85-167245. Sponsored by Environmental Protection Agency, Cincinnati, OH. Center for Environmental Research Information.

The report provides information on Sequencing Batch Reactor (SBR), a fill-and-draw activated sludge treatment system. SBRs are capable of handling all wastewaters commonly treated by conventional activated sludge plants. The report discusses the process, performance, design, currently operating plants, and economics of SBRs. Municipal and industrial wastewaters have both been successfully treated in SBR systems. The unit processes involved in the SBR and conventional activated sludge systems are identical. However, there is one important difference. In conventional plants, the processes are carried out simultaneously in separate tanks; whereas in SBR the processes are carried out sequentially in the same tank.

Keywords: *Activated sludge process, *Sewage treatment, *Water pollution control, Aeration, Municipal wastes, Industrial waste treatment, Sedimentation, Technology innovation, Performance evaluation, Design criteria, Operation, Economic analysis, Tanks, *Sequencing batch reactors.

PB92-216977/REB PC **A05**
Environmental Protection Agency, Cincinnati, OH. Center for Environmental Research Information.
Causes and Control of Activated Sludge Bulking and Foaming. Summary rept.
Dynamac Corp., Rockville, MD.
T. Bartell. 1987, 98p EPA/625/8-87/012
Sponsored by Environmental Protection Agency, Cincinnati, OH. Center for Environmental Research Information.

The reaction of wastewater with biologically active sludge to remove degradable pollutants from the wastewater is a widely applied treatment technique. The microscopic organisms in the sludge metabolize the degradable constituents of the waste, utilizing the products for growth and releasing less noxious byproducts into the treated water. The activate sludge treatment process consists of two basic unit operations: (1) aeration, and (2) clarification. The efficiency of this process depends upon the satisfactory functioning of both the biological oxidation and the solids separation processes. This report concentrates on two problems that inhibit satisfactory separation of sludge solids: (1) bulking, and (2) foaming. The report also discusses their causes and presents means by which they may be controlled.

Keywords: *Activated sludge process, *Waste treatment, *Control systems, Systems engineering, Sewage treatment, Separation, Microorganisms, Aeration, Clarification, Waste utilization, Revisions, Design criteria, Performance evaluation, *Sludge bulking, *Sludge foaming.

PB92-216985/REB PC **A06**/MF **A02**
Environmental Protection Agency, Cincinnati, OH. Hazardous Waste Engineering Research Lab.
Waste Minimization Opportunity Assessment Manual.
Jacobs Engineering Group, Inc., Washington, DC.
Jul 88, 105p EPA/625/7-88/003
Sponsored by Environmental Protection Agency, Cincinnati, OH. Hazardous Waste Engineering Research Lab.

The term, 'waste minimization' is heard increasingly at meetings and conferences of individuals working in the field of hazardous waste management. Waste minimization is an umbrella term that includes the first two categories of the EPA's preferred hazardous waste management strategy which is shown below: source reduction: reduce the amount of waste at the source, through changes in industrial processes; recycling: reuse and recycle wastes for the original or some other purpose, such as materials recovery or energy production; incineration/treatment: destroy, detoxify, and neutralize wastes into less harmful substances; and secure land disposal: deposit wastes on land using volume reduction, encapsulation, leachate containment, monitoring, and controlled air and surface/subsurface waste releases. In carrying out its program to encourage the adoption of waste minimization, the Hazardous Waste Engineering Research Laboratory has supported the development of a recommended procedure for identifying waste minimization applications. The manual describes that procedure and will be of interest to those responsible for reducing waste streams, and to those interested in learning about waste minimization in general.

Keywords: *Waste management, *Hazardous materials, *Pollution abatement, Manuals, Industrial wastes, Manufacturing, Waste utilization, Waste recycling, Incinerators, Waste disposal, Ground disposal, Waste treatment, *Waste minimization, Source reduction, SIC 20-39, Small systems.

PB92-217009/REB PC **A04**/MF **A01**
Mutagenicity of Emissions from the Simulated Open Burning of Scrap Rubber Tires. Final rept. Jan 89-May 92.
Environmental Protection Agency, Research Triangle Park, NC. Air and Energy Engineering Research Lab.
P. M. Lemieux, and D. M. DeMarini. Jul 92, 54p EPA/600/R-92/127
See also PB90-126004.

The report describes a follow-up to a small-scale combustion study to collect, identify, and quantify products emitted during the simulated open combustion of scrap tires. The initial study found that total estimated emissions of semi-volatile organics ranged from 10 to 50 g/kg of tire material burned. Mono- and poly-aromatic hydrocarbons were the predominant emission products identified. The follow-up study subjected the extracts from the initial study to bioassay-directed fractionation to determine mutagenic potencies of the extracts. The results from the bioassay studies were then compared to data from other conventional combustion sources to indicate the relative potencies of the emissions from uncontrolled burning of tires. The fractionated extracts were then subjected to further gas chromatography/mass spectroscopy (GC/MS) analysis to determine the classes of compounds giving the highest mutagenic potencies. In addition, a sample from an actual tire burn was subjected to the same bioassay analyses to determine the relevance of the initial small-scale simulations to actual field samples from a full-scale tire fire.

Keywords: *Waste disposal, *Air pollution effects(Humans), *Public health, *Tires, Air pollution detection, Bioassay, Mutagens, Combustion products, Gas chromatography, Chemical analysis, Elastomers, Mass spectroscopy, Extraction, *Scrap tires.

PB92-217017/REB PC **A03**/MF **A01**
Health Effects Research Lab., Research Triangle Park, NC. Epidemiology Branch.
Transactions: Tropospheric Ozone and the Environment. Papers from an International Conference.
University of Southern California, Los Angeles. School of Medicine.
R. L. Berglund, D. R. Lawson, and D. J. McKee. 1991, 22p EPA/600/A-92/164
Contract EPA-68-D8-0017, ARB-A6-202-33
Sponsored by Health Effects Research Lab., Research Triangle Park, NC. Epidemiology Branch, and California State Air Resources Board, Sacramento.

The question 'Does air pollution cause significant adverse effects in humans' misses the real health issue. The more appropriate question is: what role does air pollution play in causing, promoting, facilitating, and/or exacerbating the lung disease that is present in all adults. The present study is a first step in the direction of inventory, an assessment of pathologically overt injury to a key unit of the acinus, the centriacinar region (CAR). The lungs of 107 of 118 youths (14-25 years of age), who died in vehicular accidents or were homicide victims, were suitable for pathologic examination, and the extent and severity of disease was determined. Of the 107 youths, 29 (27%) had severe CAR disease as judged by scores of 5 or more (on a scale of 1-10) for both severity and extent. The high incidence and severity of CAR disease in youths is unprecedented and cannot be attributed to any single agent. The pathogenesis is undoubtedly multifactorial, with socioeconomic factor dominant, in particular a suboptimal level of health care, greater impact of respiratory tract infections, high levels of air pollution, and heavy smoking and some illicit drug use. Air pollution is highly suspect for a substantial contributory role.

Keywords: *Respiratory diseases, *Air pollution effects(Humans), *Epidemiology, Ozone, Socioeconomic factors, Pathology, Smoking, Bronchitis, Reprints, *Centriacinar Region disease.

PB92-217025/REB PC **A03**/MF **A01**
Murine Cytomegalovirus Host Resistance Models. Book chapter.
Health Effects Research Lab., Research Triangle Park, NC. Environmental Toxicology Div.
M. J. K. Selgrade, and M. J. Daniels. 1992, 30p EPA/600/A-92/165
Pub. in Methods in Immunotoxicology, v2.

Mouse cytomegalovirus (MCMV) is a well developed and extremely useful and relevant host resistance model for immunotoxicity testing. Rat cytomegalovirus (RCMV) is currently under development and may have similar applications. Cytomegaloviruses are species specific; RCMV is a distinct virus from MCMV and both are distinct from human cytomegalovirus (HCMV). However, biologic and biophysical similarities between these viruses make the animal viruses good models for the human infection. The chapter discusses the rationale for using MCMV as a host resistance model, provides some representative data, and gives detailed information on methods needed to apply the model. Background on RCMV is also presented along with detailed methods (to the extent available) for applying the RCMV model are also provided.

Keywords: *Cytomegaloviruses, *Immunology, Neutralization tests, Virus replication, Mice, Animal disease models, Natural killer cells, Immunosuppression, Plaque assay, Liver, Cytotoxic T-lymphocytes, Reprints.

PB92-217033/REB PC **A03**/MF **A01**
Measurement of Behavioral Thermoregulation.
Health Effects Research Lab., Research Triangle Park, NC. Neurotoxicology Div.
C. J. Gordon, and R. Refinetti. 1992, 34p EPA/600/A-92/166
Pub. in Methods in Neurosciences, Volume 14: Paradigms for the Study of Behavior. Prepared in cooperation with College of William and Mary, Williamsburg, VA. Dept. of Psychology.

The measurement of thermoregulatory behavior by the techniques of thermal gradient and operant conditioning allows the study of many parameters of the behavioral control of body temperature in particular species as well as the comparative study of thermo-regulatory capabilities of different species. In neuroscience research, these techniques provide a reliable dependent variable for the investigation of the action of specific neurotransmitters and the specificity of particular brain loci involved in the regulation of body temperature. Much of the current knowledge about the neural control of thermoregulatory behavior has been obtained by using thermal gradients and operant conditioning in conjunction with systemic and intracerebral injections of neurotransmitters, local thermal stimulation of brain regions, and selective destruction of particular brain sites by electrolytic lesions.

Keywords: *Body temperature regulation, *Animal behavior, Species diversity, Neuroregulators, Conditioning(Learning), Heat stress, Cold stress.

PB92-217041/REB PC **A03**/MF **A01**
Use of Visual and Chemosensory Evoked Potentials in Environmental and Occupational Health.
Health Effects Research Lab., Research Triangle Park, NC. Human Studies Div.
D. A. Otto, and H. K. Hudnell. 3 Feb 92, 38p EPA/600/A-92/168

The application of visual (VEP) and chemosensory evoked potentials (CSEP) in occupational and environmental health is briefly reviewed. VEPs have been used extensively in experimental neurotoxicology and play an increasing role in human neurotoxicity testing. The similarity of VEP waveforms in different species renders them useful for cross-species extrapolation. CSEPs, used in conjunction with traditional psychophysical tests and rating scales, offer a promising new approach to the study of indoor air pollution.

Keywords: *Evoked potentials, *Environmental health, *Occupational safety and health, Visual evoked potentials, Toxicology, Nervous system, Indoor air pollution, Species diversity, Reprints, Chemosensory evoked potentials.

PB92-217058/REB PC **A03**/MF **A01**
Assessing Toxicity of Organic Chemicals to Anaerobic Treatment Processes.
Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.
J. C. Young, and H. H. Tabak. Jan 89, 14p EPA/600/A-92/169
See also PB86-135654. Presented at the 1989 TAPPI Environmental Conference, Orlando, FL., April 17-19, 1989. Prepared in cooperation with Arkansas Univ., Fayetteville. Dept. of Civil Engineering.

A screening protocol has been developed to provide a rapid but dependable and repeatable assessment of the effect of toxic organic chemicals on anaerobic treatment processes. The protocol provides information on the rate limiting biological reactions and the concentration of toxic chemicals at which changes in reaction rate take place. General features of the protocol include (1) relative ease of use, (2) relatively short response time--days versus months, (3) low labor requirements, (4) use of conventional techniques, (5) reproducibility among laboratories, and (6) it builds on previously developed protocols and procedures. The screening protocol consists of three steps: STEP I is a prescreen to identify the range of toxic impact of a chemical; STEP II is a short-term batch test to identify the effect of slug doses of chemical and to show which anaerobic reaction is inhibited first; STEP III is a semi-continuous culture test to determine the effect of a gradual buildup of toxicant and to identify concentrations at which specific inhibitory effects take place. The results indicate the potential for using anaerobic processes for treating toxic and hazardous organic chemicals and provide a basis for anticipating toxic impacts of toxic organic chemicals on anaerobic processes.

Keywords: *Toxicity, *Organic compounds, Methane, Graphs(Charts), Anaerobic processes, Tests, Biodeterioration, Pollutants.

PB92-217066/REB PC **A03**/MF **A01**
Landfill Gas Recovery/Utilization: Options and Economics. Rept. for Mar 91-Mar 92.
Environmental Protection Agency, Research Triangle Park, NC. Air and Energy Engineering Research Lab.
S. A. Thorneloe. 1992, 20p EPA/600/A-92/170
See also PB92-137520. Presented at the IGT's Conference on Energy from Biomass and Waste (16th), Orlando, FL., March 2-6, 1992.

The decomposition of landfilled waste results in a gas which can be a source of pollution as well as a resource. Of the more than 6,000 active municipal solid waste landfills in the United States (U.S.), there are 114 landfill gas (LFG) energy projects. This paper describes the options and economics for LFG utilization, as well as ongoing research associated with encouraging/facilitating energy recovery from LFG. The health and environmental concerns are described as well as the economic, environmental, and energy benefits associated with LFG utilization. Six case studies are also provided to illustrate the options for LFG utilization. In addition, the results of a recent EPA survey of U.S. LFG utilization are provided.

Keywords: *Municipal wastes, *Air pollution control, *Energy sources, *Gas fuels, *Methane, Earth fills, Energy recovery, Materials recovery, Economic analysis, Global warming, US EPA, Carbon dioxide, Nonmethane hydrocarbons, Biodeterioration, Case studies.

PB92-217074/REB PC **A02**/MF **A01**
Municipal Environmental Research Lab.-Cincinnati, Edison, NJ. Storm and Combined Sewer Section.
U.S. EPA's Manual of Practice for the Investigation and Control of Cross-Connection Pollution into Storm Drainage Systems.
Alabama Univ. in Birmingham. Dept. of Civil Engineering.
R. E. Pitt, and R. Field. 1992, 8p EPA/600/A-92/171
Contract EPA-68-C9-0033
Proceedings of the International Conference on Urban Storm Drainage (5th). Sponsored by Municipal Environmental Research Lab.-Cincinnati, Edison, NJ. Storm and Combined Sewer Section.

Dry-weather flows discharging from storm drainage systems can contribute significant pollutant loadings to receiving waters. If these loadings are ignored, little improvement in receiving water conditions may occur with many stormwater control programs. The paper summarizes the first phase of an EPA sponsored research project to develop a manual to investigate these connections to assist local governments in identifying the magnitude and sources of cross-connections in their storm drainage systems.

Keywords: *Water pollution control, *Manuals, *Storm drains, *Drainage systems, *Storm sewers, Outfall sewers, Pollution sources, Industrial wastes, Sewage, Waste water, Household wastes, Oil spills, Irrigation, Runoff, Urban hydrology, Waste disposal, Dry weather.

PB92-217082/REB PC **A03**/MF **A01**
Hazardous Waste Degradation by Wood Degrading Fungi.
Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.
J. A. Glaser. 1992, 17p EPA/600/A-92/172
Presented at the International Workshop Biotechnology and Biodegradation Proceedings, Lisbon, Portugal, June 19-23, 1989.

The persistence and toxicity of many hazardous waste constituents indicates that the environment has limited capacity to degrade such materials. The competence and presence of degrading organisms significantly effects one's ability to treat and detoxify these hazardous waste chemicals. Competence is often specified by the ability of the organisms to convert toxic chemicals to non toxic entities and most desirably to carbon dioxide. A wood degrading fungus, Phanerochaete chrysosporium has been investigated to determine its role as a degrader of toxic waste materials. Due to its widely recognized ability to degrade lignin, a persistent biogenic polymer, and the non specific enzyme systems supporting such activity, it was thought to have great promise as a toxic waste degrader.

Keywords: *Hazardous materials, *Biodeterioration, *Biological treatment, *Waste treatment, Toxic substances, Chemical compounds, Fungi, Carbon dioxide, Lignin, Wood, Microorganisms, Environmental persistence, Detoxification, *Phanerochaete chrysosporium.

PB92-217090/REB PC **A03**/MF **A01**
Comparison of the Incineration of Medical Waste with Hazardous and Municipal Waste.
Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.
C. C. Lee, W. R. Seeker, and R. G. Barton. Jun 89, 20p EPA/600/A-92/173
See also PB87-197604 and PB88-240494. Presented at the Air and Waste Management Association Meeting, Anaheim, CA., June 26-30, 1989. Prepared in cooperation with Energy and Environmental Research Corp., Irvine, CA.

EPA's research data and Industry's experience have demonstrated that incineration has the highest overall degree of destruction and control for the broadest range of various waste streams, when compared to the other alternative technologies. Because each type of waste has its own characteristics and regulatory requirements, different incinerators are used to burn different types of wastes. This paper is to review and compare the three major waste streams generated during the daily life of the society. They are medical waste, industrial (hazardous) waste and municipal waste. The key parameters to be used for comparisons include the following categories: Regulatory Requirements; Waste Characteristics; Incineration Technology; and Effluent Characteristics.

Keywords: *Incineration, *Waste disposal, *Technology utilization, Hazardous materials, Municipal wastes, Comparison, Air pollution control, Pollution regulations, Pollution sources, Waste water, Ashes, Hospital solid wastes, Incinerators, Substitutes, *Medical wastes.

PB92-217108/REB PC **A03**/MF **A01**
Respirometric Methods for Determination of Biodegradability and Biodegradation Kinetics for Hazardous Organic Pollutant Compounds.
Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.
H. H. Tabak, S. Desai, and R. Govind. 1992, 39p EPA/600/A-92/174
Presented at the ACS Environmental Chemistry Division Symposium on Chemical and Biochemical Detoxification of Hazardous Wastes II, Miami Beach, FL., September 10-15, 1989. Prepared in cooperation with Cincinnati Univ., OH. Dept. of Chemical and Nuclear Engineering.

The purpose of the study was to obtain information on biological treatability of the benzene, phenol, phthalate and ketone organics and of the Superfund CERCLA organics bearing wastes in wastewater treatment systems which will support development of an EPA technical guidance document on the discharge of the above organics to POTWs. The study was to generate basic information on the fate of CERCLA leachate organics during on-site treatment and biodegradation and inhibition data for pollutants found in Superfund site wastewater that could be discharged to POTWs. Respirometric biodegradability, biokinetic and inhibition data were generated for the selected RCRA benzene, phenolic, phthalate and ketone compounds.

Keywords: *Waste disposal, *Biodeterioration, *Organic compounds, *Kinetics, *Sewage treatment, *Biological treatment, Land pollution control, Sludges, Soil microorganisms, Detoxification, Benzene, Phenols, Superfund, Soil treatment, Biomass, Hazardous materials, Respirometers, Bioinstrumentation, Phthalates, Ketones, *Electrolytic respirometry, Publicly owned treatment works, Resource Conservation and Recovery Act, Comprehensive Environmental Response Compensation and Liability Act.

PB92-217116/REB PC **A03**/MF **A01**
Educating Managers about Quality through Customer-Supplier Understanding. Overview of Current Training Initiatives in Energy and Environmental Programs. Annual National Energy and Environmental Quality Division Conference (19th).
Environmental Protection Agency, Research Triangle Park, NC. Atmospheric Research and Exposure Assessment Lab.
R. K. Patterson, and G. L. Johnson. 1992, 13p EPA/600/A-92/175

The successful implementation of a Quality System depends largely on the commitment to quality by managers and their participation in the quality management process. Today, an accepted definition of quality is largely based on the concept of customer and supplier partnerships in all activities and includes meeting the needs and expectations of the customer as the measure of success. The supplier's clear understanding of the customer's needs and expectations is essential to defining necessary performance measures to ensure customer satisfaction. The roles of the customer and supplier may not always be obvious. Frequently, managers function both as customer and supplier in their concurrent role as principal scientist. Understanding customer and supplier responsibilities helps managers and scientists appreciate the role of quality in relation to the planning, implementation, and assessment of technical programs. The paper demonstrates how customer-supplier understanding may be used to train managers in applying the Quality System to their technical programs. The techniques used here are not confined to EPA or R&D applications. They may be applied to any product or service related activity.

Keywords: *Quality assurance, *Quality control, *Environmental management, *Energy management, Management planning, Implementation, Research and development, Communication, Performance evaluation, Technology assessment, Education, Training, *Quality system.

PB92-217124/REB PC **A03**/MF **A01**
Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.
Geomembrane Anchorage Behavior Using a Large Scale Pullout Apparatus.
Drexel Univ., Philadelphia, PA. Geosynthetic Research Inst.
R. M. Koerner, and M. H. Wayne. 1992, 17p EPA/600/A-92/177
Grant EPA-R-813953
See also PB88-131263. Sponsored by Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.

The terminus of most geomembrane lined facilities, e.g., landfills, surface impoundments and waste piles, is via a small horizontal runout distance and then into a shallow anchor trench. While several analytic models are available for such a design, common practice is usually based upon past experience. However, to better understand the interactions involved, a large scale pullout apparatus was developed where strain gaged geomembranes were evaluated under a set of different normal stresses and exit angles. It was found that low modulus geomembranes (e.g., PVC and VLDPE) develop their full tensile strength in very short distances of 40 to 160 mm, while high modulus geomembranes (e.g., HDPE and CSPE-R) develop their full tensile strength over significantly longer distances of 350 to 750 mm. These tests results offer a choice to the engineer to design on the basis of geomembrane tensile failure or geomembrane slippage. The test is felt to give good insight into the geomembrane's behavior in this particular situation.

Keywords: *Land pollution control, *Anchoring, *Waste disposal, *Hazardous materials, Trenching, Earth fills, Surface impoundments, Linings, Stress analysis, Prestressing, Performance evaluation, Anchors(Structures), Design criteria, Subsurface investigations, *Geomembranes, Geosynthetic materials.

PB92-217132/REB PC **A03**/MF **A01**
Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.
Stress Crack Testing of Polyethylene Geomembranes.
Drexel Univ., Philadelphia, PA. Geosynthetic Research Inst.
Y. H. Halse, R. M. Koerner, and A. E. Lord. 1992, 15p EPA/600/A-92/178
Grant EPA-R-815692
See also PB90-119595. Sponsored by Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.

The sensitivity of high density polyethylene (HDPE) geomembranes to stress cracking is evaluated under accelerated conditions at a constant stress. The test specimens are according to ASTM D-1822, and are of the dumbbell shape with a constant length in the central section. The accelerated testing conditions consist of a 10% Igepal wetting solution in tap water, at a constant temperature of 50 C. The applied stresses are from 30% to 50% of the yield stress. It was found that most commercially available HDPE sheet material performs quite well in this type of test. Only one specimen in 80 showed any evidence of cracking and this may have been caused by other reasons. Testing of field fabricated seams, however, resulted in relatively large numbers of cracked specimens. Many of these test specimens showed signs of overgrinding and/or overheating. The results indicate that great care and excellent workmanship are required in the field fabrication of HDPE seams.

Keywords: *Polyethylene, *Geotechnical fabrics, *Cracking(Fracturing), Failure, Seams(Joints), Test methods, Standards, Mechanical properties, Seaming, Membranes, Test facilities, Linings.

PB92-217140/REB PC **A05**/MF **A01**
Regional Respiratory Tract Absorption of Inhaled Reactive Gases.
Health Effects Research Lab., Research Triangle Park, NC. Environmental Toxicology Div.
F. J. Miller, J. H. Overton, J. S. Kimbell, and M. L. Russell. 29 Jun 92, 88p EPA/600/A-92/179
Prepared in cooperation with Chemical Industry Inst. of Toxicology, Research Triangle Park, NC., and Duke Univ. Medical Center, Durham, NC. Center for Extrapolation Modelling.

Highly reactive gases present unique problems due to the number of factors which must be taken into account to determine regional respiratory tract uptake. The authors reviewed some of the physical, chemical, and biological factors that affect dose and that must be understood to interpret toxicological data, to evaluate experimental dosimetry studies, and to develop dosimetry models. Selected dosimetry experiments involving laboratory animals and humans were discussed, showing the variability and uptake according to animal species and respiratory tract region for various reactive gases. New experimental dosimetry approaches, such as those involving isotope ratio mass spectroscopy and cyclotron generation reactive gases, were discussed that offer great promise for improving our ability to study regional respiratory tract absorption of reactive gases. Various dosimetry modeling applications were discussed which demonstrate: the importance of airflow patterns for site-specific dosimetry in the upper respiratory tract, the influence of the anatomical model used to make inter- and intraspecies dosimetric comparisons, the influence of tracheobronchial path length on predicted dose curves, and the implications of ventilatory unit structure and volume on dosimetry and response. Collectively, these examples illustrate important aspects of regional respiratory tract absorption of inhaled reactive gases. Given the complex nature of extent and pattern of injury in the respiratory tract from exposure to reactive gases, understanding interspecies differences in the absorption of reactive gases will continue to be an important area for study.

Keywords: *Respiratory system, *Toxic substances, *Gases, Absorption, Species diversity, Humans, Laboratory animals, Dosimetry, Ozone, Formaldehyde, Nitrogen dioxide, Anatomical models, Chemical reactions, Solubility, Reprints.

PB92-217157/REB PC **A02**/MF **A01**
Understanding the Fate of Petroleum Hydrocarbons in the Subsurface Environment. Journal article.
Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.
C. T. Chen. c1992, 7p EPA/600/J-92/228
Pub. in Jnl. of Chemical Education, v69 n5 p357-361 May 92. See also PB92-114552.

To achieve effective remediation of subsurface petroleum hydrocarbon contamination, definite scientific and technical knowledge of their fate after they are spilled onto the ground surface or leaked from underground storage tanks is essential. The paper provides extensive details of the parameters that affect the fate of petroleum products in the underground environment. These include: the character of the subsurface environment; the composition, physical and chemical properties of petroleum products; and the mechanisms of their mobilization, immobilization and transformation in the subsurface. Data on the physical and chemical properties of soil, groundwater and petroleum hydrocarbons are identified. The mechanisms that affect the fate of these contaminants in the subsurface include vaporization and condensation, diffusion, advection, dispersion, dissolution, adsorption, biodegradation, and abiotic reactions. The relation between these mechanisms and the properties of soil, groundwater and petroleum hydrocarbons is described. The distribution of the contaminated petroleum products in the subsurface as affected by these parameters and principles is also described.

Keywords: *Subsurface investigations, *Hydrocarbons, *Oil spills, *Land pollution, *Storage tanks, Petroleum products, Underground storage, Leakage, Physical properties, Chemical properties, Environmental transport, Ground water, Water pollution, Diffusion, Biodeterioration, Adsorption, Reprints.

PB92-217165/REB PC **A03**/MF **A01**
Estimating Agriculture's Net Contribution to Atmospheric Carbon. Journal article.
Environmental Research Lab., Athens, GA.
R. B. Jackson. c1992, 19p EPA/600/J-92/275
Pub. in Water, Air and Soil Pollution 64, n1/2 p121-137 Aug 92.

Fossil fuel combustion, chlorofluorocarbon relases, and agricultural activities (including deforestation) are the primary antropogenic sources of greenhouse gases. Of the three sources, agriculture is the only one that also has a sink capacity. Thus, an accounting of the net carbon (C) flux is required to properly evaluate agriculture's contribution and to determine the opportunities for emissions mitigation through changes in agricultural practices. Common data sets and a standard accounting method are required to perform country-by-country net C analyses. The research used agricultural census data to determine that U.S. agriculture removed 1.3 Pg of CO2 from the atmosphere, in 1987, in the plants that it produced. The turnover times and the fate of the C were not ascertained. The research also showed that 6.4 Tg of CH4 was emitted from live U.S. agricultural animals. A net C flux was computed, but is incomplete, because rice CH4, plant and animal waste CH4 and CO2, and soil-atmosphere C fluxes could not be estimated from the census data. Additionally, agriculture's net contribution to atmospheric C was found to depend critically on the boundaries of the analysis. (Copyright (c) 1992 Kluwer Academic Publishers.)

Keywords: *Carbon, *Agriculture, *Air pollution, *Atmospheric composition, Farm crops, Animal wastes, pollution sources, Greenhouse effect, Sink, Air land interactions, Ecosystems, Organic matter, Carbon dioxide, Methane, Reprints.

PB92-217173/REB PC **A03**/MF **A01**
Approach to Assessment of Management Impacts on Agricultural Soil Carbon. Journal article.
Environmental Research Lab., Athens, GA.
T. O. Barnwell, R. B. Jackson, E. T. Elliott, I. C. Burke, and C. V. Cole. c1992, 15p EPA/600/J-92/276
Pub. in Water, Air and Soil Pollution 64, n1/2 p423-435 Aug 92. Prepared in cooperation with Colorado State Univ., Fort Collins, Agricultural Research Service, Fort Collins, CO., Michigan State Univ., East Lansing, and AQUA TERRA Consultants, Mountain View, CA.

Agroecosystems contain about 12% of the terrestrial soil carbon and play an important role in the global carbon cycle. We describe a project to evaluate the degree to which management practices can affect soil carbon in agroecosystems. The objectives of the project are to determine whether agricultural systems can be managed to conserve and sequester carbon and thereby reduce the accumulation of carbon dioxide in the atmosphere, and to provide reference datasets and methodologies for agricultural assessments. (Copyright (c) 1992 Kluwer Academic Publishers.)

Keywords: *Carbon cycle, *Agricultural engineering, *Land management, *Air pollution control, *Ecosystems, Global aspects, Air land interactions, Carbon dioxide, Soil management, Farm crops, Climates, Reprints.

PB92-217181/REB PC **A03**/MF **A01**
National Science Foundation, Washington, DC.
Seasonal Variations of Stable Hydrogen and Carbon Isotope Ratios of Methane in Subtropical Freshwater Sediments. Journal article.
Environmental Research Lab., Athens, GA.
R. A. Burke, T. R. Barber, and W. M. Sackett. c1992, 16p EPA/600/J-92/277
Grants NSF-OCE-8417321, NASA-NAGW-836
Pub. in Global Biogeochemical Cycles, v6 n2 p125-138 Jun 92. Prepared in cooperation with University of South Florida, St. Petersburg. Dept. of Marine Science. Sponsored by National Science Foundation, Washington, DC., and National Aeronautics and Space Administration, Washington, DC.

Stable hydrogen (delta D) and carbon (delta(13)C) isotope ratios of sedimentary methane from five subtropical Florida freshwater sites exhibited smaller, less distinct seasonal variations than previously observed in temperate sediments, apparently due to the smaller range of temperatures forcing the subtropical environments. Negative correlations observed between (delta D)-CH4 and (delta(13)C)-CH4 at the sites probably resulted from mixing methane produced via acetate fermentation with methane formed from CO2 and H2O. The inverse (delta D)/(delta(13)C) trends, high sedimentary gas methane concentrations (up to 80 mole%), and visual observations imply that ebullition dominates methane transport from the sediments during at least part of the seasonal cycle. Many values deviated from the main inverse delta D/delta(13)C trend such that bacterial oxidation was not indicated. The deviation may result from the reduction of CO2 with varying delta(13)C under conditions of elevated H2 concentrations or enhanced interspecies hydrogen transfer, which may cause relatively greater hydrogen isotopic fractionation. Alternatively, the deviation may result from fermentation of autotrophically formed, (13)C-depleted acetate. Differences in the delta(13)C of bulk organic matter from two of the sites potentially account for about half of the difference in mean delta(13)C-CH4 between the two sites. In other cases, however, the immediate methanogenic precursor appeared to be the major determinant of methane stable isotopic composition. (Copyright (c) 1992 by the American Geophysical Union.)

Keywords: *Hydrogen isotopes, *Carbon isotopes, *Methane, *Sediments, *Air water interactions, *Air pollution, Seasonal variations, Environmental transport, Sediment water interfaces, Pollution sources, Freshwater, Greenhouse effect, Natural emissions, Carbon dioxide, Hydrogen, Reprints.

PB92-217199/REB PC **A03**/MF **A01**
National Institutes of Health, Bethesda, MD.
Increasing Scientific Power with Statistical Power. Journal article.
Health Effects Research Lab., Research Triangle Park, NC. Human Studies Div.
K. E. Muller, and V. A. Benignus. c1992, 11p EPA/600/J-92/278
Grants NICHD-P30-HD03110-22, NCI-P01-CA47-98204
Pub. in Neurotoxicology and Teratology, v14 n3 p211-219 May 92. Prepared in cooperation with North Carolina Univ. at Chapel Hill. Dept. of Biostatistics. Sponsored by National Institutes of Health, Bethesda, MD., and National Cancer Inst., Bethesda, MD.

A survey of basic ideas in statistical power analysis demonstrates the advantages and ease of using power analysis throughout the design, analysis, and interpretation of research. The power of a statistical test is the probability of rejecting the null hypothesis of the test. The traditional approach to power involves computation of only a single power value. The more general power curve allows examining the range of power determinants, which are sample size, population difference, and error variance, in traditional analysis of variance (ANOVA). Power analysis can be useful not only in study planning, but also in the evaluation of existing research. An important application is in concluding that no scientifically important treatment difference exists. Choosing an appropriate power depends on: (1) opportunity costs, (2) ethical trade-offs, (3) the size of effect considered important, (4) the uncertainty of parameter estimates, and (5) the analyst's preferences. Although precise rules seem inappropriate, several guidelines are defensible. First, the sensitivity of the power curve to particular characteristics of the study, such as the error variance, should be examined in any power analysis. Second, just as a small type I error rate should be demonstrated in order to declare a difference nonzero, a small type II error should be demonstrated in order to declare a difference zero. Third, when ethical and opportunity costs do not preclude it, power should be at least .84, and preferably greater than .90. (Copyright (c) 1992 Pergamon Press Ltd.)

Keywords: *Biostatistics, *Research management, Statistical analysis, Analysis of variance, Statistical samples, Computation, Computer software, Reprints, Power analysis.

PB92-217207/REB PC **A02**/MF **A01**
Health Effects Research Lab., Research Triangle Park, NC. Human Studies Div.
Effects of Heavy Industrial Pollution on Respiratory Function in the Children of Cubatao, Brazil: A Preliminary Report. Journal article.
New York Univ. Medical Center, NY. Inst. of Environmental Medicine.
D. M. Spektor, V. A. Hofmeister, P. Artaxo, J. A. P. Brague, and F. Echelar. c1992, 6p EPA/600/J-92/279
Grant NIEHS-ES00260
Pub. in Environmental Health Perspectives, v94 p51-54 Jul 91. Prepared in cooperation with Sao Paulo Univ. (Brazil). Sponsored by Health Effects Research Lab., Research Triangle Park, NC. Human Studies Div., and National Inst. of Environmental Health Sciences, Research Triangle Park, NC.

Cubatao is located on the coast of Brazil 44 km from Sao Paulo. Its geography and wind patterns limit dispersion of air pollutants which result from heavy industrial activity within the city. New York University and EPA in collaboration with the University of Sao Paulo are conducting a study to attempt to establish exposure-response relationships of the impact of specific industrial effluents on respiratory function in school age children. During the 1988 school year, March-June, Aug-Nov, 600 six year old children, attending six different kindergarten schools, underwent monthly spirometry tests. Because the children live within a 500 m radius of their school, pollution monitors were located on each of the six schools. Particles were collected using dichotomous stacked filter units placed on 20 m towers to reduce the influence of dust from unpaved roads. Three sites are in the densely populated downtown area, one is on a newly developed outskirt area, and the last two are residential areas, far from industries. The yearly average thoracic aerosol mass concentration (PM10) is very high on all sites, ranging from 59+39 micrometer/cu m to 240+122 micrometer/cu m, the number of days with mean PM10 > 100 micrometer/cu m range from 27% to 98%.

Keywords: *Air pollution effects(Humans), *Respiratory function tests, *Industry, Exposure, Children, Air samplers, Reprints, *Cubatao(Brazil).

PB92-217215/REB PC **A02**
Differences in Arachidonic Acid Metabolism by Human Myelomonocytic Cell Lines. Journal article.
Environmental Protection Agency, Research Triangle Park, NC. Cell and Molecular Biology Section.
M. C. Madden, S. Becker, H. S. Koren, and M. Friedman. c1992, 9p EPA/600/J-92/280
Pub. in Jnl. of Leukocyte Biology, v51 p118-123 Feb 92.Portions of this document are not fully legible. Prepared in cooperation with North Carolina Univ. at Chapel Hill. Center for Environmental Medicine and Lung Biology, and ABB Environmental Services, Inc., Chapel Hill, NC.

The production of arachidonic acid metabolites by the HL60, ML3, and U937 human phagocyte cell lines was determined after incubation with interferon-gamma (IFN-gamma, 500 U/ml) or vehicle for 4 days. Cells were prelabeled with tritiated arachidonic acid, ((3)H)AA, for 4 h, and media supernatants were analyzed by high-performance liquid chromatogrpahy. None of the cell lines produced ((3)H)AA metabolites in large amounts during an unstimulated, basal release period (30 or 60 min). In contrast to the HL60 cells, IFN-gamma-differentiated U937 cells formed primarily cyclooxygenase products and undifferentiated and IFN-gamma-differentiated ML3 cells did not form any ((3)H)AA metabolites in response to A23187. These results indicate the need to be careful in selecting a cell line for use in a phagocyte assay system when cyclooxygenase and/or lipoxygenase products could influence the assay results.

Keywords: *Arachidonic acids, *Acute myelomonocytic leukemia, Human, Cell line, Interferon type II, Phagocytes, Prostaglandin-endoperoxide synthase, Lipoxygenase, Cell differentiation, High pressure liquid chromatography, FC receptors, HLA-DR antigens, Reprints.

PB92-217223/REB PC **A02**/MF **A01**
Exposure of Humans to a Volatile Organic Mixture. 3. Inflammatory Response. Journal article.
Health Effects Research Lab., Research Triangle Park, NC. Human Studies Div.
H. S. Koren, D. E. Graham, and R. B. Devlin. c1992, 8p EPA/600/J-92/281
Pub. in Archives of Environmental Health 47, n1 p39-44 Jan 92. See also PB92-164888.

A set of symptoms has been described during the past two decades that has been called the sick building syndrome. These symptoms include eye, nose, and throat irritation; headache; mental fatigue; and respiratory distress. It is likely that the volatile organic compounds (VOCs) present in synthetic materials used in homes and office buildings contribute to these symptoms. However, there have been very few studies in which humans have been exposed to known amounts of VOCs under carefully controlled conditions. In the study, 14 subjects were exposed to a mixture of VOCs (25 mg/sq meter total hydrocarbon) that is representative of what is found in new homes and office buildings. Because irritations of the nose and throat are symptoms often associated with the upper respiratory tract and may result from an inflammatory response in the upper airways, the authors used nasal lavage to monitor neutrophil (PMN) influx into the nasal passages following exposure to VOCs. There were statistically significant increases in PMNs, both immediately after a 4-h exposure to VOCs and 18 h later.

Keywords: *Inflammation, *Indoor air pollution, *Air pollution effects(Humans), Neutrophils, Signs and symptoms, Nose, Pharynx, Trachea, Reprints, *Volatile organic compounds.

PB92-217231/REB PC **A02**/MF **A01**
Application of Tradescantia Micronucleus Assay for In situ Evaluation of Potential Genetic Hazards from Exposure to Chemicals at a Wood-Preserving Site. Journal article.
Health Effects Research Lab., Research Triangle Park, NC. Genetic Toxicology Div.
S. S. Sandhu, B. S. Gill, B. C. Casto, and J. W. Rice. c1991, 8p EPA/600/J-92/282
Pub. in Hazardous Waste and Hazardous Materials, v8 n3 p257-262 Sep 91. Prepared in cooperation with Environmental Health Research and Testing, Inc., Research Triangle Park, NC.

In situ evaluation of biological hazards from wood preserving chemicals at a hazardous waste site using the Tradescantia micronucleus assay (Trad-MCN) is reported in the study. The chemical analysis of soil samples from the site showed high contamination with arsenic (1,292 mg/kg), chromium (1,444 mg/kg) and copper (924 mg/kg) on the surface of the drip area where wood was allowed to dry after the treatment. Exposure of Tradescantia plants grown within or adjacent to the drip area showed significantly (P=0.05) higher frequencies of micronuclei when compared to plants grown in nearby control plots. After remediation, the levels of arsenic, chromium, and copper were substantially reduced and concomitantly no genotoxic activity was observed in plants grown on-site or in plants exposed in the laboratory to a slurry of soil samples from the site. The results from the pilot study show that simple plant assays such as Trad-MCN can be used as a sentinel for environmental contamination and to assess the efficacy of clean-up efforts.

Keywords: *Wood preservatives, *Superfund, *Waste disposal, *Biological effects, *Bioassay, *Hazardous materials, South Carolina, Remedial action, Plants(Botany), Toxicity, Arsenic, Chromium, Copper, Mutagens, Plant genetics, Reprints, Tradescantia plants.

PB92-217249/REB PC **A03**/MF **A01**
Environmental Laws and Regulations Relating to Medical Waste Disposal. Journal article.
Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.
C. C. Lee, and G. L. Huffman. Jan 90, 33p EPA/600/J-92/283

In the United States, over the last ten years, the improper disposal of solid waste has manifested itself in the passage of a series of Federal and State-level control statutes of unprecendented scope and impact. At the Federal level, the statutes include three major environmental laws and three major amendments. The three major laws are: (1) the Resource Conservation and Recovery Act (RCRA) of 1976; (2) the Toxic Substances Control Act (TSCA) of 1976; and (3) the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) of 1980. CERCLA is also known as Superfund. The three amendments are: (1) the Hazardous and Solid Waste Act (HSWA) of 1984; (2) the Superfund Amendments and Reauthorization Act (SARA) of 1986; and (3) the Medical Waste Tracking Act (MWTA) of 1988 (Lee, 9/89). The objective of the paper is to provide: (1) a summary of the MWTA and the EPA rules for implementing MWTA; (2) MWTA's relationship to both EPA and other Federal regulatory programs; and (3) a brief update of State regulations regarding medical waste disposal.

Keywords: *Pollution laws, *Pollution regulations, *Waste disposal, *Land pollution abatement, Hospital solid wastes, United States, State government, US EPA, Implementation, Compliance, *Medical Wastes Tracking Act of 1988.

PB92-217256/REB PC **A01**/MF **A01**
Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.
Waste Minimization Assessment for a Manufacturer of Military Furniture. Environmental research brief.
University City Science Center, Philadelphia, PA.
F. W. Kirsch, and G. P. Looby. Jun 92, 5p EPA/600/S-92/017
Grant EPA-R-814903
Sponsored by Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.

The U.S. Environmental Protection Agency (EPA) has funded a pilot project to assist small- and medium-size manufacturers who want to minimize their generation of waste but who lack the expertise to do so. Waste Minimization Assessment Centers (WMACs) were established at selected universities and procedures were adapted from the EPA Waste Minimization Opportunity Assessment Manual (PB92-216985 July 1988). The WMAC team at the University of Tennessee performed an assessment at a plant manufacturing military furniture -- approximately 12,000 units per year. The team's report, detailing findings and recommendations, indicated that the majority of waste was generated during the painting operations and that the greatest savings could be obtained by installing an electrostatic powder coating system to completely eliminate paint solvent evaporation, paint solids waste, and paint-laden air filters.

Keywords: *Waste management, *Hazardous materials, *Pollution abatement, *Military facilities, *Furniture, Laminates, Metal working, Gluing, Painting, Coating processes, *Waste minimization, Source reduction, SIC 20-39.

PB92-217264/REB PC **A01**/MF **A01**
Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.
Waste Minimization Assessment for a Dairy. Environmental research brief.
University City Science Center, Philadelphia, PA.
G. P. Looby, and F. W. Kirsch. Jun 92, 5p EPA/600/S-92/005
Grant EPA-R-814903
Sponsored by Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.

The U.S. Environmental Protection Agency (EPA) has funded a pilot project to assist small- and medium-size manufacturers who want to minimize their generation of waste but who lack the expertise to do so. In an effort to assist these manufacturers, Waste Minimization Assessment Centers (WMACs) were established at selected universities and procedures were adapted from the EPA Waste Minimization Opportunity Assessment Manual (PB92-216985, July 1988). The WMAC team at the University of Tennessee performed an assessment at a plant manufacturing pasteurized milk, cream, buttermilk, chocolate milk, ice cream mix, fruit drinks, and plastic jugs - approximately 23,300,000 gallons of liquid product per year and 4,160,000 half gallon and 15,600,000 gallon plastic jugs per year. The team's report, detailing findings and recommendations, indicated that the majority of waste is waste water generated from all processes in the plant and that the greatest savings could be obtained by instituting a waste water management plan to reduce uncontained milk waste (38%) and waste water (90%).

Keywords: *Waste management, *Hazardous materials, *Dairies, *Pollution abatement, Dairy products, Waste water, Industrial wastes, Food industry, High temperature tests, Fruits, *Waste minimization, Source reduction, Plastic containers, SIC 20-39, Small systems.

PB92-217272/REB PC **A01**/MF **A01**
Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.
Waste Minimization Assessment for a Manufacturer of Components for Automobile Air Conditioners. Environmental research brief.
University City Science Center, Philadelphia, PA.
G. P. Looby, and F. W. Kirsch. Jun 92, 5p EPA/600/S-92/009
Grant EPA-R-814903
Sponsored by Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.

The U.S. Environmental Protection Agency (EPA) has funded a pilot project to assist small- and medium-size manufacturers who want to minimize their generation of waste but who lack the expertise to do so. Waste Minimization Assessment Centers (WMACs) were established at selected universities and procedures were adapted from the EPA Waste Minimization Opportunity Assessment Manual (PB92-216985, July 199). The WMAC team at the University of Tennessee performed an assessment at a plant manufacturing charged air coolers, round tube plate fin (RTPF) condensers, and air conditioner tubes for automotive air conditioning systems-approximately two million pounds per year. The team's report, detailing findings and recommendations, indicated that the majority of waste was generated in the rinse tanks and the hot water flush testing stations but that the greatest savings could be obtained by replacing solvent-based vapor degreasing systems with a detergent-based immersion system to eliminate still bottoms and evaporated solvent losses.

Keywords: *Hazardous materials, *Automobiles, *Air conditioners, *Pollution abatement, Waste management, Industrial wastes, Tetrachloroethylene, Metal scrap, Paints, Degreasing, Brazing, Solvents, Environmental chemical substitutes, *Waste minimization, Source reduction, Small systems, SIC 20-39, Ethane/trichloro.

PB92-217280/REB PC **A01**/MF **A01**
Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.
Waste Minimization Assessment for a Manufacturer of Water Analysis Instrumentation. Environmental research brief.
University City Science Center, Philadelphia, PA.
F. W. Kirsch, and J. C. Maginn. Jun 92, 5p EPA/600/S-92/013
Grant EPA-R-814903
Sponsored by Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.

The U.S. Environmental Protection Agency (EPA) has funded a pilot project to assist small-and medium-sized manufacturers who want to minimize their generation of hazardous waste but who lack the expertise to do so. Waste Minimization Assessment Centers (WMACS) were established at selected universities and procedures were adapted from the EPA Waste Minimization Opportunity Assessment Manual (PB92-216985, July 1988). The WMAC team at Colorado State University performed an assessment at a plant manufacturing instruments for water analysis -- approximately 50,000 units/yr. Primary operations include production of cabinets and assembly of instruments. The team's report, detailing findings and recommendations, indicated that most waste is generated as spent reagents and rinse water from metal surface finishing, but greatest savings could be obtained by filtering and pasteurizing metal cutting fluid for recycle and separating its organic and aqueous phases when disposal becomes necessary.

Keywords: *Hazardous materials, *Waste management, *Pollution abatement, *Water analysis, *Measuring instruments, Metal finishing, Painting, Waste water, Solvents, Degreasing, Hydraulic fluids, Soldering, Waste disposal, Waste recycling, Source reduction, Small systems, SIC 20-39.

PB92-217298/REB PC **A05**/MF **A01**
Environmental Protection Agency, Research Triangle Park, NC. Atmospheric Research and Exposure Assessment Lab.
Summary Report for the National Atmospheric Deposition Program/National Trends Network (NADP/NTN) Site Visitation Program for the Period October 1989 through September 1990.
Research Triangle Inst., Research Triangle Park, NC.
W. C. Eaton, C. E. Moore, R. W. Murdoch, R. C. Shores, and D. A. Ward. Feb 92, 93p EPA/600/R-92/151
Contract EPA-68-D8-0001
See also PB90-212614. Sponsored by Environmental Protection Agency, Research Triangle Park, NC. Atmospheric Research and Exposure Assessment Lab.

The proper collection of precipitation and the accurate measurement of its constituents are important steps in attaining a better understanding of the distribution and effects of acid rain in the United States. One of NAPAP Task Group IV's major programs concerns wet deposition monitoring. One of that program's projects, 4A-15, 'Quality Assurance Support for Wet Deposition Monitoring,' is sponsored by the U.S. Environmental Protection Agency (EPA) to evaluate the sample collection process and provide technical assistance to the NADP/NTN network through a site visitation program. If deficiencies or nonstandard procedures are noted, the site operator and supervisor are notified. All NADP/NTN sites were visited in 1985-1986. A second round of visits began in October 1986, with the goal of visiting approximately one-third of the 200 sites each year over the next three years. The document is a summary report of the findings from the 1989-1990 (Fiscal Year 1990) site visitation program to 67 of the sites of the NADP/NTN network.

Keywords: *Acid rain, *Air pollution monitoring, *Site surveys, United States, Comparisons, Collecting methods, Precipitation(Meteorology), Field tests, Tables(Data), Rain gages, pH, *National Atmospheric Deposition Program/National Trends Network.

PB92-217306/REB PC **A08**/MF **A02**
Approach to Improving Decision Making in Wetland Restoration and Creation.
Corvallis Environmental Research Lab., OR.
M. E. Kentula, R. P. Brooks, S. E. Gwin, C. C. Holland, and A. D. Sherman. Jul 92, 171p EPA/600/R-92/150
See also PB90-149758 and PB90-149766. Prepared in cooperation with Pennsylvania State Univ., University Park. Forest Resources Lab., and ManTech Environmental Technology, Inc., Corvallis, OR.

The report is based on over five years of data from a monitoring program that includes natural, created and restored wetlands. Major research objectives are to: (1) develop performance criteria, (2) track the development of projects, and (3) suggest improvements in the design of future projects. The research uses natural wetlands in a region as models to define standards for restored and created wetland projects. Finally, Chapter 6 illustrates how data collected from local natural wetlands can, and should, be used to improve project design.

Keywords: *Marshes, *Wetlands, *Construction, *Renovating, Standards, Monitoring, Ecology, Models, Populations, Decision making, Sites, Sampling, Recommendations, Design, Project planning, Evaluation, Flow charts, Graphs(Charts), Clean Water Act.

PB92-217314/REB PC **A03**/MF **A01**
Robert S. Kerr Environmental Research Lab., Ada, OK.
Optimal Adaptive Local Grid Refinement Approach to Modeling Contaminant Transport. Book chapter.
Pennsylvania State Univ., State College. Applied Research Lab.
G. T. Yeh, K. A. Kane, and T. E. Short. 1992, 12p

Grant EPA-R-18322-01-0, Contract DE-FG02-91ER61197
Pub. in Computational Methods in Water Resources IX: Numerical Methods in Water Resources, v1 p659-667. Prepared in cooperation with Colorado Univ. at Denver, and Wyoming Univ., Laramie. Sponsored by Robert S. Kerr Environmental Research Lab., Ada, OK., and Department of Energy, Washington, DC.

A Lagrangian-Eulerian method with an optimal adaptive local grid refinement is used to model contaminant transport equations. Application of this approach to two bench-mark problems indicates that it completely resolves difficulties of peak clipping, numerical diffusion, and spurious oscillation. Results are compared with and shown superior to those obtained by the N+2 linear and quadratic finite element simulations. Furthermore, unlike the N+2 finite element methods whose accuracy relies on the proper choice of optimal parameters, there is no parameter adjustment required with the optimal adaptive local grid refinement approach. Extension of this approach to multi-dimensional problems does not pose any conceptual difficulty, and should alleviate grid orientation problems.

Keywords: *Ground water, *Computerized simulation, *Environmental transport, *Water pollution, Euler-Lagrange equation, Finite element method, Algorithms, Reprints, *Adaptive local grid refinement.

PB92-217322/REB PC **A03**/MF **A01**
Development of Emerging Technologies within the SITE Program.
Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.
N. M. Lewis. 1992, 26p* EPA/600/A-92/183
See also PB90-249756 and PB92-150663. Presented at the Annual Conference on Contaminated Land: Policy, Regulation, and Technology (3rd), London, England, February 6-7, 1992.

The SITE Program is formed by five research programs: The Demonstration Program, The Emerging Technology Program, the Measurement and Monitoring Technology Development Program, the Innovative Technology Program, and the Technology Transfer Program. The Emerging Technology (ET) Program has been in existence for five years and has developed several innovative technologies that have shown promise in being applicable to clean-up activities related to hazardous waste problems. Technologies are eligible for the ET Program when sufficient research data exists validating the technologies' basic concepts. The EPA contributes funds to support developers for one or two years. Developers are responsible for conducting research and providing additional financial support in the cooperative research effort. Generally, technologies are categorized into six areas: Thermal, chemical, biological, materials handling, physical, and solidification/stabilization.

Keywords: *Hazardous materials, *Site surveys, Decision making, Technology transfer, Financial assistance, Performance evaluation, State government, Quality control, Regional analysis, Profiles, Quality assurance, Monitoring, US EPA, Tables(Data), *Superfund, Cleanup, Site program, Superfund Innovative Technology Evaluation Program.

PB92-217330/REB PC **A02**/MF **A01**
Intelligent Processing Equipment within the Environmental Protection Agency. Symposium paper.
Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.
D. G. Greathouse, and R. P. Nalesnik. 1992, 9p EPA/600/A-92/186
Also pub. as National Aeronautics and Space Administration, Washington, DC. rept. no. NASA-CP-3138. Proceedings of the Federal Conference on Intelligent Processing Equipment, San Jose, CA., December 3-5, 1991. Prepared in cooperation with National Aeronautics and Space Administration, Washington, DC.

Protection of the environment and environmental remediation requires the cooperation -at all levels- of government and industry. Intelligent processing equipment, in addition to other artificial intelligence based tools, has been used by the Environmental Protection Agency (EPA) to provide personnel safety and improve the efficiency of those responsible for protection and remediation of the environment. These exploratory efforts demonstrate the feasibility and utility of expanding development and widespread use of these tools. A survey of current intelligent processing equipment applications in the Agency is presented and is followed by a brief discussion of possible uses in the future.

Keywords: *Artificial intelligence, *Computer applications, Expert systems, Robotics, Sensors, Neural nets, Hazardous materials, Solid waste treatment, Reprints, *Environmental Protection Agency.

PB92-217348/REB PC **A02**/MF **A01**
Prediction of Octanol/Water Partition Coefficient (K sub ow) with Algorithmically Derived Variables. Journal article.
Environmental Research Lab.-Duluth, MN.
G. J. Niemi, S. C. Basak, G. D. Veith, and G. Grunwald. c1992, 10p EPA/600/J-92/286
Pub. in Environmental Toxicology and Chemistry, v11 p893-900 Apr 92. Presented at the Symposium on Structure-Activity and Structure-Property Relationships (SARs) in Environmental Chemistry and Toxicology, Pacifchem '89, Honolulu, HI., December 17-22, 1989. Prepared in cooperation with Minnesota Univ.-Duluth. Natural Resources Research Inst.

A statistical model was developed with algorithmically derived independent variables based on chemical structure for prediction of octanol/water partition coefficients Kow measured for more than 4,000 chemicals. The procedure first classified the chemical into 14 groups based on the number of hydrogen bonds, and then best-subsets, multiple-regression analysis was used to predict Kow within groups. In addition, a training set/test set approach was used to provide an independent evaluation of the sensitivity of the model to the number of chemicals and variables used within each group. In general, the explained variation was higher and the standard error of the estimates (SEE) lower in the training sets as compared with the test set groups, whereas analyses of the combined data sets were generally intermediate. Explained variation among the 14 groups, using the combined data sets, ranged from 63 to 90%, and SEE ranged from 0.37 to 0.78 in logarithmic units. (Copyright (c) 1992 SETAC.)

Keywords: *Thermodynamic equilibrium, *Organic compounds, *Partition, *Octanols, *Water, *Regression analysis, *Prediction equations, Molecular structure, Hydrogen bonds, Reprints *Octanol/water partition coefficients.

PB92-217355/REB PC **A02**/MF **A01**
Effect of the Method of Preparing Monochloramine upon Inactivation of MS2 Coliphage, 'Escherichia coli', and 'Klebsiella pneumoniae'. Journal article.
Environmental Protection Agency, Cincinnati, OH. Drinking Water Research Div.
D. Berman, R. Sullivan, and C. J. Hurst. c1991, 9p EPA/600/J-92/285
Pub. in Canadian Jnl. of Microbiology, v38 n1 p28-33 Jan 92. Summary in French. See also PB86-232568.

Monochloramine prepared in situ by first adding chlorine to a suspension of microorganisms, followed by subsequent addition of ammonia inactivated the MS2 coliphage more rapidly than did monochloramine prepared either by adding chlorine to ammonia or by adding chlorine and ammonia simultaneously. The rapid viral inactivation was apparently due to the exposure MS2 to free chlorine before the addition of ammonia. The average 99% CT value of MS2 to free chlorine was 1.3 and 1.1 at 5 deg C and 15 deg C respectively. The average 99% CT values of MS2 to the combined action of brief chlorine exposure followed by the addition of ammonia to form monochloramine were 19.3 and 1.5 at 5 deg C and 15 deg C respectively. No 99% CT values were calculated for the inactivation of MS2 with preformed monochloramine because less than 1 log (90%) of inactivation occurred during a 4 hour contact time. Inactivation of MS2 by monochloramine was more rapid at 15 deg C than at 5 deg C and when the chlorine to nitrogen weight ratio was 5:1 compared to 3:1. Monochloramine was a more efficient inactivating agent for the coliforms, Escherichia coli and Klebsiella pneumoniae than it was for the MS2 coliphage.

Keywords: *Coliphages, *Escherichia coli, *Klebsiella pneumoniae, *Aquatic microbiology, Ammonia, Chlorine, Temperature, Reprints, *Monochloramine.

PB92-217363/REB PC **A03**/MF **A01**
Microbiological Changes in Source Water Treatment: Reflections in Distribution Water Quality.
Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.
E. E. Geldreich. 1992, 34p EPA/600/A-92/184
Pub. in Proceedings, Water Quality for the New Decade, Annual Conference, Philadelphia, PA., June 23-27, 1991, p107-137. See also PB82-230301 and PB83-223370.

Microbial barriers in treatment processes are the major block to the passage of waterborne pathogens from raw source waters. Many of the processes utilized in water supply treatment have some impact on microbial densities and survival. For instance, raw water storage for 24 to 48 hours can generally reduce the bacterial load by 50%, coagulation-sedimentation by 60% and filtration by 99.9 percent under favorable conditions. Combining these processes in a series of successive treatments can provide a cumulative reduction in waterborne organisms so that the burden on final disinfection to achieve a 6 log reduction of bacteria, 4 log reduction in virus and 3 log reduction in protozoan cysts is possible on a continuous basis. The key variable in the case is fluctuating source water quality that can impact treatment barrier effectiveness. Treatment barrier effectiveness can also change as a consequence of operational changes at the plant.

Keywords: *Water treatment, *Distribution systems, *Microorganism control(Water), *Water pollution sampling, *Water quality, Case studies, Disinfection, Revisions, Halomethanes, Turbidity, pH, Organic compounds, Water supply, Byproducts, Chlorination, Reprints.

PB92-217371/REB PC **A03**/MF **A01**
Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.
Volatile Emissions from Stabilization/Solidification of Hazardous Waste. Symposium paper.
Acurex Environmental Corp., Research Triangle Park, NC.
A. L. Sykes, W. T. Preston, and D. W. Grosse. 1992, 17p EPA/600/A-92/185
Contract EPA-68-09-0131
Presented at the Annual Meeting and Exhibition of the Air and Waste Management Association (85th), Kansas City, MO., June 21-26, 1992. Sponsored by Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.

The EPA Office of Air Quality Planning and Standards (OAQPS) and the Office of Solid Waste (OSW) are gathering information to control emissions from hazardous waste treatment, storage, and disposal facilities (TSDFs). The EPA Risk Reduction Engineering Laboratory (RREL) provided technical support to OAQPS in gathering the necessary data on atmospheric emissions. The purpose of this work was to collect data to determine emissions for volatile and semi-volatile organic compounds from a real waste matrix using a bench-scale 'wind tunnel' apparatus. Emissions resulting from the stabilization of waste matrix were characterized and quantified using EPA and National Institute of Occupational Safety and Health (NIOSH)-approved analytical methods and procedures.

Keywords: *Hazardous materials, *Solidification, *Air pollution control, *Waste processing, *Stabilization, Volatile organic compounds, Emission factors, Data processing, Organic compounds, Wind tunnels, Test facilities, Field tests, Waste treatment, Waste storage, Waste disposal.

PB92-217389/REB PC **A03**/MF **A01**
Mapping Toxicant-Induced Nervous System Damage with a Cupric Silver Stain: A Quantitative Analysis of Neural Degeneration Induced by 3,4-Methylenedioxymethamphetamine (MDMA) (Revised).
Health Effects Research Lab., Research Triangle Park, NC. Neurotoxicology Div.
K. F. Jensen. 30 Jun 92, 43p EPA/600/A-92/180

The purpose of structural assessments in neurotoxicology is to provide a convincing picture of the location and extent of damage to the nervous system. Silver stains that selectively reveal neural degeneration hold particular promise in this regard. In the chapter the authors describe results obtained using a cupric silver

stain to delineate areas of the brain damaged by administration of 3,4-methylenedioxymethamphetamine (MDMA). MDMA (0,25,50,150, mg/kg as salt) was administered to Long Evans rats 4 times, with a 12 hour interdosing interval. Both the time course and dose dependence of MDMA induced silver staining were evaluated. Silver staining was most prominent in the fronto-parietal neocortex, where the extend of staining was dose-dependent and appeared to be maximal within 18 to 48 following the last dose. The results show that maps of silver staining can demonstrate the dose- and time-dependent of nature of toxicant induced brain damage. With refinement such maps can help identify components of the brain's complex circuitry that are vulnerable to damage by exposure to toxicants.

Keywords: *Toxicology, *Nervous system, *Nerve degeneration, Dose-response relationships, Silver staining, Rats, Immunohistochemistry, Dizocilpine maleate, Fluoxetine, Copper, *Methylenedioxyamphetamines.

PB92-217397/REB PC **A03**/MF **A01**
Corvallis Environmental Research Lab., OR.
Cartographic and Geometric Components of a Global Sampling Design for Environmental Monitoring. Journal article.
ManTech Environmental Technology International, Inc., Corvallis, OR.
D. White, A. J. Kimerling, and W. S. Overton. c1992, 20p EPA/600/J-92/292
Contracts EPA-68-03-3439, EPA-68-C8-0006
Pub. in Cartography and Geographic Information Systems, v19 n1 p5-22 1992. Prepared in cooperation with Oregon State Univ., Corvallis, and Kilkelly Environmental Associates, Inc., Raleigh, NC. Sponsored by Corvallis Environmental Research Lab., OR.

A comprehensive environmental monitoring program based on a sound statistical design is necessary to provide estimates of the status of, and trends in, the condition of ecological resources. A sampling design based upon a systematic grid can adequately assess the condition of many types of resources and retain flexibility for addressing new issues as they arise. The randomization of the grid results in the requirement that it be regular and contain equal area cells when projected on the surface of the earth. After review of existing approaches to constructing regular subdivisions of the earth's surface, the authors propose the development of the sampling grid on the Lambert azimuthal equal area map projection of the surface of the earth to the face of a truncated icosahedron fit to the globe. The geometric model has less deviation in area when subdivided as a spherical tessellation than any of the spherical Platonic solids, and less distortion in shape over the extent of a face when used for a projection surface by the Lambert azimuthal projection. A hexagon face of the truncated icosahedron covers the entire conterminous U.S. and can be decomposed into a triangular grid at an appropriate density for sampling. The geometry of the triangular grid provides for varying the density; and points on the grid can be addressed in several ways.

Keywords: *Environmental monitoring, *Ecology, *Natural resources, *Mapping, *Grids(Coordinates), Global aspects, Statistical analysis, Land use, Design criteria, Regional analysis, Geodetic coordinates, Geometry, Reprints, Sampling grid, Map projections.

PB92-217405/REB PC **A03**/MF **A01**
National Science Foundation, Washington, DC.
Effects of El Nino and La Nina on Seabird Assemblages in the Equatorial Pacific. Journal article.
Corvallis Environmental Research Lab., OR.
C. A. Ribic, D. G. Ainley, and L. B. Spear. c1992, 18p EPA/600/J-92/290
Grants NSF-OCE-8515637, NSF-OCE-8911125
Also pub. as Point Reyes Bird Observatory, Stinson Beach, CA. rept. no. CONTRIB-499. Pub. in Marine Ecology Progress Series, v80 p109-124 Mar 92. Prepared in cooperation with Point Reyes Bird Observatory, Stinson Beach, CA., and Washington Univ., Seattle. Center for Quantitative Science in Forestry, Fisheries, and Wildlife. Sponsored by National Science Foundation, Washington, DC., and National G

Spring and autumn cruises in Equatorial and Subtropical Surface waters were conducted 1984-1989 in the eastern equatorial Pacific. Three genera predominated, but the relative contribution of each to species assemblages differed markedly depending on season and water mass. During autumn, on the basis of biomass, Pterodroma dominated assemblages in both water masses; on the basis of abundance, Pterodroma shared dominance with Oceanodroma but only in Equatorial Surface Water. During spring, in either water mass, no one genus could be considered dominant. Assemblage composition varied from year to year, but changed the most during El Nino 1986-87 and La Nina 1988. The impact of either event was manifested by a decrease or disappearance of genera and species that were normally of medium-abundance. Generally, the common genera and species were not affected. For El Nino, assemblages changed more during autumn compared to spring. The effect of La Nina was strongest during spring.

Keywords: *Ocean currents, *Waterfowl, *Equatorial Pacific Ocean, *Biological surveys, *Aquatic ecosystems, Species diversity, Climatic changes, Birds, Seasons, Statistical data, Marine biology, Abundance, *El Nino, *La Nina.

PB92-217413/REB PC **A03**/MF **A01**
Effects of Aqueous and Dietary Exposure of Dieldrin on Survival, Growth and Bioconcentration in Mallard Ducklings. Journal article.
Corvallis Environmental Research Lab., OR.
A. V. Nebeker, W. L. Griffis, T. W. Stutzman, G. S. Schuytema, and L. A. Carey. c1992, 15p EPA/600/J-92/291
Pub. in Environmental Toxicology and Chemistry, v11 p687-699 1992. See also PB81-117301 and PB82-208752.

Tests were conducted to determine the effects of dieldrin in continuous-flow water and in food on survival, growth, and bioconcentration in mallard ducklings (Anas platyrhynchos). Dieldrin had no effect on survival or growth at concentrations at or below water saturation (0.2 mg/L), but tissue (lipid, skin, liver, muscle, brain, blood) dieldrin concentrations increased rapidly (up to a mean of 217 microgram/g) and bioconcentration factors (BCFs) showed up to 1,995 times (mean steady-state lipid BCF of 1,345) more dieldrin in tissues than in the water. Significant effects on survival, growth, and behavior were observed in ducks fed dieldrin-spiked food, and tissues rapidly concentrated dieldrin up to five times more than those in the water-only test (mean of 1,000 microgram/g), although the BCFs were much lower (water BCFs were up to 18 times higher). The dietary 96-h LC50 value (50% death at 96 h) was 165 microgram/g dieldrin; the 24-d dietary LC50 was 29.5 microgram/g. The lowest 24-d LOAEL (lowest observed adverse effect level) and NOAEL (no observed adverse effect level) values were 16.4 and 0.3 microgram/g, respectively, based on growth (total weight). A screening level wildlife criteria (SLWC) value of 0.0001 mg/L was derived by using data from the study. Steady-state tissue dieldrin concentrations at which growth impairment occurred were near 140 (lipid), 80 (skin), 20 (liver), 10 (brain), and 5 (muscle) microgram/g dieldrin.

Keywords: *Ducks, *Dieldrin, *Toxicity, *Chemical water pollutants, *Diet, Growth, Tissue distribution, Dose-response relationships, Graphs(Charts), Survival, Reprints, Anas platyrhynchos.

PB92-217421/REB PC **A03**
Corvallis Environmental Research Lab., OR.
Hierarchical Stochastic Model of Large-Scale Atmospheric Circulation Patterns and Multiple Station Daily Precipitation. Journal article.
Washington Univ., Seattle. Dept. of Civil Engineering.
L. L. Wilson, D. P. Lettenmaier, and E. Skyllingstad. c1992, 22p EPA/600/J-92/287
Contract DE-AC06-76RLO-1830
Pub. in Jnl. of Geophysical Research, v97 nD3 p2791-2809, 28 Feb 92.Portions of this document are not fully legible. Prepared in cooperation with Battelle Pacific Northwest Labs., Richland, WA. Sponsored by Corvallis Environmental Research Lab., OR.

A stochastic model of weather states and concurrent daily precipitation at multiple precipitation stations is described. Four algorithms are investigated for classification of daily weather states; k means, fuzzy clustering, principal components, and principal components coupled with k-means clustering. A semi-Markov model with a geometric distribution for within-class lengths of stay is used to describe the evolution of weather classes. A hierarchical modified Polya urn model is used to simulate precipitation conditioned on the regional weather type. An information measure that considers both the probability of climate class occurrence and conditional precipitation probabilities is developed to quantify the extent to which each of the climate classification schemes discriminates the precipitation states at the precipitation stations. The model is implemented using National Meteorological Center historical atmospheric observations for the period 1965-88 mapped to 5 degree by 5 degree grid cells over the eastern North Pacific, and three precipitation stations west of the Cascade mountain range in the State of Washington. Comparison of simulated weather class-station precipitation time series with observational data shows that the model preserved weather class statistics and mean daily precipitation quite well, especially for stations highest in the hierarchy.

Keywords: *Atmospheric models, *Atmospheric circulation, *Precipitation(Meteorology), Markov processes, Stochastic processes, Weather forecasting, Prediction equations, North Pacific Ocean, Cascade Mountains, Pacific Northwest Region(United States).

PB92-217439/REB PC **A03**/MF **A01**
Effects of Section 404 Permitting on Freshwater Wetlands in Louisiana, Alabama, and Mississippi. Journal article.
Corvallis Environmental Research Lab., OR.
J. C. Sifneos, E. W. Cake, and M. E. Kentula. c1992, 11p EPA/600/J-92/289
Pub. in Wetlands, v12 n1 p28-36 Jun 92. See also PB80-168784. Prepared in cooperation with ManTech Environmental Technology, Inc., Corvallis, OR., and Gulf Environmental Associates, Ocean Springs, MS.

Information was compiled on permits issued under Section 404 of the Clean Water Act for alteration of freshwater wetlands from January 1982-August 1987 in Louisiana, Alabama, and Mississippi. The location, area, wetland type, and other data describing the impacted and compensatory (i.e., created, restored, and preserved) wetlands were compiled and analyzed. Trends in Louisiana, the state with the most permits issued, were emphasized, and a synopsis of the results from Alabama and Mississippi is presented for comparison. The objective of the study was to uncover patterns and trends in Section 404 permitting in the three states to document the effects of the permit decisions. Only the information contained in the permit record was compiled and analyzed. No judgment was made concerning compliance with the terms of the permits or whether the compensatory wetland replaced the ecological functions of the wetland destroyed. The Section 404 permitting program could be evaluated more effectively if record-keeping was standardized. The accuracy and thoroughness of the report was affected by poor record-keeping and inconcise permit language. Requirements for follow-up monitoring and increasing the specificity of the information contained in the permits would provide information on the impacts to wetlands and their functions to be considered in future permit decisions.

Keywords: *Clean Water Act, *Permits, *Wetlands, *Water pollution effects, *Information transfer, Louisiana, Alabama, Mississippi, Environmental protection, Trends, Compliance, Fresh water, Environmental effects, Water management, Reprints.

PB92-217447/REB PC **A03**/MF **A01**
Corvallis Environmental Research Lab., OR.
Land-Surface Hydrology Parameterization with Subgrid Variability for General Circulation Models. Journal article.
Princeton Univ., NJ. Dept. of Civil Engineering.
E. F. Wood, D. P. Lettenmaier, and V. G. Zartarian. c1992, 13p EPA/600/J-92/288
Grant DI-14-08-0001-G1138
Pub. in Jnl. of Geophysical Research, v97 nD3 p2717-2728 Feb 92. Prepared in cooperation with Washington Univ., Seattle. Dept. of Civil Engineering, and Camp, Dresser and McKee, Inc., Cambridge, MA. Sponsored by Corvallis Environmental Research Lab., OR., and Geological Survey, Reston, VA.

Most of the existing generation of general circulation models (GCMs) use so-called bucket algorithms to represent land-surface hydrology. Biosphere-atmosphere models that include the transfer of energy, mass, and momentum between the atmosphere and the land surface are a recent alternative to the highly simplified representation of the land surface in GCMs. These models require estimation of a large number of parameters for which parameter estimation methods

and supporting data remain to be developed. The authors describe a more incremental approach to generalizing the bucket representation of land-surface hydrology based on a model that represents the variation in infiltration capacity within a GCM grid cell. The variable infiltration capacity (VIC) model requires estimation of three parameters: an infiltration parameter, an evaporation parameter, and a base flow recession coefficient. The VIC model was explored through direct comparisons with the Geophysical Fluid Dynamics Laboratory (GFDL) bucket model for the French Broad River, North Carolina, and via sensitivity analysis for the GFDL R30 grid cell which contains the French Broad River. Generally, the bucket model runoff had much greater variability than the historic streamflows for short time scales; the VIC model was much more similar to the observed flows in this respect. (Copyright (c) 1992 by the American Geophysical Union.)

Keywords: *General circulation models, *Hydrology, *Mathematical models, *Air land interactions, Parameterization, Evapotranspiration, Drainage, River basins, Atmospheric circulation, Climate, Seasonal variations, Base flow, Infiltration, Water balance, Runoff, Soil moisture, French Broad River, Reprints, Variable infiltration capacity model.

PB92-217454/REB PC **A05**/MF **A01**
Army Biomedical Research and Development Lab., Fort Detrick, MD.
Experimental Design and Instrumentation for a Field Experiment. Final rept. Sep 82-Mar 85.
Health Effects Research Lab., Research Triangle Park, NC. Clinical Research Branch.
V. A. Benignus, and M. J. Hazucha. Mar 92, 89p EPA/600/R-92/136
Prepared in cooperation with North Carolina Univ. at Chapel Hill. Sponsored by Army Biomedical Research and Development Lab., Fort Detrick, MD.

The report concerns the design of a field experiment for a military setting in which the effects of carbon monoxide on neurobehavioral variables are to be studied. A field experiment is distinguished from a survey by the fact that independent variables are manipulated, just as in the laboratory. Thus casual relationships may be discovered rather than correlations. It was proposed to study the effects of multiple levels of CO exposure on compensatory tracking (main gun pointing at a target in a tank), electroencephalogram spectra and speech discrimination. Factors which govern the experimental design were considered in detail. Statistical and control matters were discussed.

Keywords: *Behavior, *Toxicity, *Carbon monoxide, Helmets, Field tests, Electroencephalography, Protective masks, Speech discrimination, Compensatory tracking.

PB92-217462/REB PC **A11**/MF **A03**
Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.
Technology Evaluation Report: The Carver-Greenfield Process, Dehydro-Tech Corporation.
PRC Environmental Management, Inc., Cincinnati, OH.
Aug 92, 230p EPA/450/R-92/002
Contract EPA-68-C0-0047
See also PB85-138634 and PB90-161902. Sponsored by Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.

The report evaluated the ability of Dehydro-Tech Corporation's (DTC) Carver-Greenfield Process to separate oil contaminated waste drilling muds to their constituent solids, oil and water fractions. The Carver-Greenfield Process (C-G) was developed by DTC in the late 1950's and is licensed in over 80 plants worldwide. The technology is designed to separate solid-liquid mixtures into three product streams: a clean, dry solid; a water product substantially free of solids and organics; and a concentrated mixture of extracted organics. A mobile pilot plant was used for the demonstration. The C-G Process demonstration was conducted at EPA's Edison, New Jersey facility in August, 1991. Waste drilling muds from the PAB Oil and Chemical Services, Inc. (PAB Oil) site in Vermilion Parish, Louisiana were processed in the demonstration. PAB Oil, which ceased operation in 1983, operated three oil drilling mud separation pits from which the waste material used in the demonstration was collected.

Keywords: *Sludge drying, *Separation, *Oil pollution, *Waste treatment, *Hydrocarbons, Land pollution, Dry methods, Soil contamination, Design criteria, Performance evaluation, Evaporation, Petroleum products, Solids, Water, Oil spills, Solvent extraction, *Carver-Greenfield process, Dehydro-Tech Corporation.

PB92-217470/REB PC **A03**/MF **A01**
Interim Protocol for the Evaluation of Survival of Genetically Engineered Microorganisms by Simulating the Aerial Environment Using a Freeze-Drying Procedure.
Corvallis Environmental Research Lab., OR.
E. Israeli, and B. Lighthart. Aug 92, 18p EPA/600/R-92/156

An interim protocol is presented for the evaluation of survival of genetically engineered microorganisms by simulating the aerial environment using a freeze-drying procedure. Concerns about damage to the environment by release of these microorganisms are also briefly discussed.

Keywords: *Genetic engineering, *Microorganisms, *Freeze drying, Plasmids, Deoxyribonucleic acids, Tests, Health hazards, Risk assessment.

PB92-217488/REB PC **A03**/MF **A01**
Corvallis Environmental Research Lab., OR.
Protocol for Testing the Effects of Fungal Pesticides on Nontarget Beetles Using 'Hippodamia convergens' (Coleoptera: Coccinellidae).
ManTech Environmental Technology, Inc., Corvallis, OR.
R. R. James, and B. Lighthart. Jul 92, 31p EPA/600/R-92/160
Contract EPA-68-C8-0006
Sponsored by Corvallis Environmental Research Lab., OR.

The U.S. Environmental Protection Agency requires individuals applying for registration of a microbial pest control agent (MPCA) to test for pathogenic/toxic effects of the MPCA on representative beneficial insects. Beneficial insects are at high risk to MPCAs because many of these pesticides are targeted toward insects. Furthermore, if the MPCA is pathogenic as well as toxic, then a predatory insect may not only come into contact with the MPCA when it is applied but they may come into contact with concentrated amounts if they attack an infected prey. Many nontarget insects are beneficial because they themselves act as biological control agents of pests. Other nontarget insects are important ecologically and may be beneficial to people indirectly. The enclosed report is a protocol for Tier 1 tests of the toxicity/pathogenicity of fungal MPCAs to predaceous Coleoptera (beetles).

Keywords: *Pesticides, *Beetles, *Fungi, Bioassay, *Hippodamia convergens, *Nontarget species, *Microbial pest control, Acyrthosiphon pisum.

PB92-217496/REB PC **A02**/MF **A01**
Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.
Waste Reduction Activities and Options at a Printer of Forms and Supplies for the Legal Profession. Environmental research brief.
New Jersey Inst. of Tech., Newark.
P. Eyraud, and D. J. Watts. May 92, 7p EPA/600/S-92/003
Sponsored by Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.

A printer of legal forms was visited and several opportunities for waste minimization were identified. The company had already begun waste and scrap paper sorting for recycling and reuse, laundering of cleaning rags for reuse, and identification of less hazardous process-related materials. The assessment team identified additional waste minimization opportunities, including off-site recovery of silver from the photographic process waste stream, regeneration of spent bath solution either by off-site electrolytic process or the use of an electrolytic recirculating cell, and the use of cupric chloride solution as an etchant rather than the more hazardous ferric chloride solution presently used. Another area of investigation resulted in recommending shifting from chemical plate cleaning to a mechanical technique. Typically, such techniques include polishing (including abrasion), brushing and sand blasting. The waste reduction option for ink sludge which is generated from water-based cleaning of equipment included consideration of whether the residual solids could be used for reincorporation into the ink.

Keywords: *Waste management, *Printing, Materials recovery, Silver, Waste recycling, Waste utilization, Forms(Papers), Printing equipment, Cleaning, Substitutes, *Waste minimization, *Source reduction.

PB92-217728/REB PC **A12**/MF **A03**
EPA Journal Holdings Report, 1992. Final rept.
Environmental Protection Agency, Washington, DC. Headquarters Library.
Jul 92, 258p EPA/220/B-92/019
Supersedes PB92-132810.

The purpose of the report is to improve access to journal articles and to encourage resource sharing. The approximately 3,800 titles and 12,000 holdings represent a wealth of data available from the libraries at EPA Headquarters, Regions and Laboratories. All EPA network libraries reported their journal holdings and their Interlibrary Loan policies for inclusion in the report. The journals are listed alphabetically by title, the holdings are attached to each titled listed by their OCLC code. A list of EPA libraries appears on the first few pages followed by a sample entry with explanatory notes.

Keywords: *Bibliographies, *US EPA, *Pollution, *Periodicals, Listings, Environmental surveys, Environmental health, Information transfer, Reference materials.

PB92-217801/REB PC **A03**/MF **A01**
Chesapeake Bay Citizen Monitoring Program Report Conestoga River (October 1986-June 1990).
Environmental Protection Agency, Annapolis, MD. Chesapeake Bay Program.
Mar 92, 50p CBP/TRS-71/92
Grants EPA-X003295-01, EPA-X-03351-01-0
Sponsored in part by grants EPA-X-00351-03-0 and EPA-X003455-01-1. See also PB84-127729. Prepared in cooperation with Maryland Dept. of Natural Resources, Annapolis.

The Alliance for the Chesapeake Bay, Inc. (ACB) began a pilot water quality testing project using volunteers in July 1985 as one of the activities funded under its Chesapeake Bay Program public participation grant from USEPA. This initial project was carried out in the tidal portions of the James River in Virginia and the Patuxent River in Maryland. The major objective of the Conestoga River Citizen Monitoring Project is to track concentration of nitrate in the ambient waters of the Conestoga River with the intent of answering the questions: (1) Has the level of nitrate in the river changed over time; and (2) Is there a downward trend in observed nitrate. The report summarizes the water quality data collected by the Conestoga River volunteer monitors with particular emphasis on the concentration of nitrate.

Keywords: *Chesapeake Bay, *Environmental monitoring, *Conestoga River, *Volunteers, Water quality, Tables(Data), Graphs(Charts), Seasonal variations, Nitrates, Watersheds, Turbidity, Dissolved gases, Oxygen, Temperature.

PB92-217835/REB PC **A05**/MF **A01**
Fiscal Year 1991 Summary Report of NOAA Atmospheric Sciences Modeling Division Support to the U.S. Environmental Protection Agency. Technical memo.
National Oceanic and Atmospheric Administration, Research Triangle Park, NC. Atmospheric Sciences Modeling Div.
E. M. Poole-Kober, and H. J. Viebrock. Jun 92, 86p
NOAA-TM-ERL-ARL-194
See also PB91-235499. Prepared in cooperation with Environmental Protection Agency, Research Triangle Park, NC.

The Atmospheric Sciences Modeling Division provided meteorological research and operational support to the U.S. Environmental Protection Agency during FY-1991. Meteorological support consisted of the application of dispersion models, and the conduct of dispersion studies and model evaluations. The primary research effort was the development and evaluation of air quality simulation models using numerical and physical techniques supported by field studies. This included development of the Regional Acid Deposition Model - Version 2.6, the Tagged Species Engineering Model, and the Asymmetrical Convective Model; examination of the effect of oxidant limitations on emis-

sion changes: publication of the Regional Oxidant Model user's guides; study of the effect of biogenic emissions on ozone concentrations; incorporation of a new method describing aerosol dynamics into the Regional Particulate Model; participation in a field study of sustained stagnation conditions; conduct of a wind tunnel study of the dispersion of dense gas jets; and a study of flow and dispersion through an urban industrial complex.

Keywords: *Atmospheric models, *Atmospheric circulation, *Air pollution, *Pollution transport, Mathematical models, Acid rain, Simulation, Photochemical reactions, Emission factors, Ozone, Convection.

PB92-217926/REB PC **A04**/MF **A01**
Natural Gas Vehicle Challenge: EPA Emissions and Fuel Economy Testing, 1992. Technical rept.
Environmental Protection Agency, Ann Arbor, MI. Technology Development Group.
R. I. Bruetsch, and M. E. Reineman. Jun 92, 73p EPA/AA/TDG-92/05
See also DE92007371.

The report describes the results of a student alternative fuels engineering design competition called the 1992 Natural Gas Vehicle Challenge which was held April 22 through June 1, 1992. Students from eighteen universities in the United States and four universities in Canada competed. The objective of this competition for each participating team was to convert a gasoline-fueled General Motors (GM) Sierra pickup truck to natural gas operation and compete with students from other universities in the areas of exhaust emissions, fuel economy, performance, and design. This report also includes the comparisons between the results of the student compressed natural gas pickup truck conversions and the test results of similar gasoline-powered trucks and a dedicated compressed natural gas truck provided by General Motors.

Keywords: *Natural gas engines, *Motor vehicles, *Exhaust emissions, *Fuel economy, Automotive fuels, Safety engineering, Meetings, Universities, Engineering schools, Road tests, Hydrocarbons, Carbon monoxide, Nitrogen oxides, NGV(Natural gas vehicles).

PB92-218320/REB PC **A07**/MF **A02**
Removal of Radium from Drinking Water.
Environmental Protection Agency, Cincinnati, OH. Drinking Water Research Div.
R. P. Lauch. Aug 92, 133p EPA/600/R-92/164
See also PB84-189810.

The report summarizes processes for removal of radium from drinking water. Ion exchange, including strong acid and weak acid resin, is discussed. Both processes remove better than 95 percent of the radium from the water. Weak acid ion exchange does not add sodium to the water. Calcium cation exchange removes radium and can be used when hardness removal is not necessary. Iron removal processes are discussed in relation to radium removal. Iron oxides remove much less than 20 percent of the radium from water under typical conditions. Manganese dioxide removes radium from water when competition for sorption sites and clogging of sites is reduced. Filter sand that is rinsed daily with dilute acid will remove radium from water. Manganese dioxide coated filter sorption removes radium but more capacity would be desirable. The radium selective complexer selectively removes radium with significant capacity if iron fouling is eliminated.

Keywords: *Radium, *Removal, *Potable water, *Ion exchanging, Iron oxides, Acids, Resins, Cation exchanging, Sorption, Manganese dioxide, Fouling, Sand filtration, Osmosis, Electrodialysis, *Drinking water, Water softening.

PB92-218338/REB PC **A04**/MF **A01**
Environmental Protection Agency, Research Triangle Park, NC. Air and Energy Engineering Research Lab.
HVAC Systems in the Current Stock of U.S. K-12 Schools. Final rept. May 91-Mar 92.
Oklahoma Christian Univ. of Science and Arts, Oklahoma City.
J. D. Parker. Jul 92, 58p EPA/600/R-92/125
Contract EPA-68-D0-0097
See also PB89-218762, PB91-234450 and PB92-115369. Prepared in cooperation with Cohen (S.) and Associates, Inc., McLean, VA. Sponsored by Environmental Protection Agency, Research Triangle Park, NC. Air and Energy Engineering Research Lab.

The report summarizes information on heating, ventilating, and air-conditioning (HVAC) systems commonly found in U.S. school buildings and the effect that operating these systems has on indoor radon levels. The report describes the ability of various HVAC systems to pressurize and ventilate classroom spaces, how they operate, and how they are controlled. Some information is given to compare systems from the standpoint of energy use, cost, and their ability to maintain stable levels of static pressure in classrooms and/or to adequately ventilate the spaces. There do not appear to be any well defined trends in types of HVAC systems involved in current school building construction and modification. Systems looked at include those using reheat and/or mixing, unit ventilators (UVs), and two-fan, dual-duct variable air volume (VAV) systems.

Keywords: *Radon, *Schools, *Air conditioning, *Heating, *Ventilation, *Air pollution control, Indoor air pollution, Cost analysis, Energy consumption, Stationary sources.

PB92-218346/REB PC **A15**/MF **A03**
Environmental Protection Agency, Washington, DC. Office of Pollution, Prevention, and Toxics.
Tests of Indoor Air Quality Sinks. Final rept.
Environmental Monitoring Systems Lab., Las Vegas, NV.
J. M. McHugh, and K. M. Bauer. 28 Apr 92, 338p EPA/600/R-92/094
Contract EPA-68-DO-0137
Sponsored by Environmental Protection Agency, Washington, DC. Office of Pollution, Prevention, and Toxics.

Experiments were conducted in a room-size test chamber to determine the sink effects of selected materials on indoor air concentrations of p-dichlorobenzene (PDCB). These effects might alter pollutant behavior from that predicted using simple indoor air quality models, by reducing the peak concentrations during source usage and by increasing the ventilation rates needed to reduce pollutant concentrations. Four experimental conditions were tested: empty chamber (painted gypsum wallboard), carpeting only, carpeting and drapes, and carpeting plus a full-size bed with a comforter. Chamber temperature and relative humidity were controlled; atmospheric pressure was monitored. Air exchange rates were monitored using the tracer-gas decay method. Chamber air, sampled at six minute intervals, was analyzed using a gas chromatograph. Sink effects were estimated by comparing decay curves fit to the tracer gas (SF6) and the PDCB concentrations. The influence of sink effects on indoor air concentrations was illustrated by estimating the ventilation rates required to reduce PDCB concentrations from 14 ppm to 2 ppm.

Keywords: *Indoor air pollution, *Air quality, *Air pollution monitoring, *Sinks, Test chambers, Experimental design, Concentration(Composition), Tracer studies, Air flow, Ventilation, Environmental engineering, Chlorine organic compounds, Tables(Data), Graphs(Charts), *Benzene/dichloro.

PB92-218353/REB PC **A05**/MF **A02**
Directory of EPA Support to Minority Academic Institutions, FY 1990-1991.
Environmental Protection Agency, Washington, DC. Office of the Administrator.
Nov 91, 100p

The report lists recent activities the Environmental Protection Agency (EPA) has developed with minority institutions. The list is limited to program activities which EPA has with minority academic institutions. The program activities included in the directory are research grants, cooperative education agreements, intergovernmental personnel act agreements, fellowships, equipment donations or transfers, training grants, faculty internships, student internships, and education. The information has been organized by program activity and cross referenced by school, region, and AAship. Brief descriptions are provided about the activity and contact information is included to facilitate the exchange of information about programs that may be of interest to other AAships or regions.

Keywords: *Environmental Protection Agency, *Minority groups, *Colleges, *Programs, Joint planning, Universities, Grants, Research and development, Education, Training.

PB92-218361/REB PC **A04**/MF **A01**
Guidelines for Catastrophic Emergency Situations Involving Asbestos.
Environmental Protection Agency, Washington, DC. Stationary Source Compliance Div.
Feb 92, 61p EPA/340/1-92/010
See also PB89-237721 and PB85-136653.

These guidelines are intended to assist Regional, state, and local agencies in managing potential asbestos hazards resulting from a catastrophic accident or disaster. The guidelines may be used as a reference for advanced planning or, once the emergency presents itself, to help ensure that, to the extent feasible and compatible with other emergency measures, all appropriate steps are taken to safely handle and dispose of all asbestos, while avoiding unnecessary exposures to asbestos. The guidelines provide information that may be helpful to EPA Regional offices and delegated NESHAP agencies that must respond to emergencies involving asbestos. The guidelines review the experiences of EPA Regional and state enforcement agencies in dealing with asbestos during recent emergencies. Information is included on statutes and regulations that may be applicable in emergency situations, including the emergency provisions of the asbestos NESHAP. Lines of communication within EPA and between EPA and emergency management agencies are discussed. A list of contacts responsible at the state level for emergency and disaster activities is provided. Information is provided to help identify potential sources of asbestos releases, and factors are identified that should be considered in planning for the cleanup and disposal of asbestos.

Keywords: *Asbestos, *Emergency planning, *Buildings, *Environmental management, Guidelines, Case studies, New York, California, South Carolina, Earthquakes, Hurricanes, Listings, Waste disposal, Materials handling, US EPA, State government, Regional analysis, Cleanup operations, Gramercy Park, Hurricane Hugo, San Francisco(California).

PB92-218379/REB PC **A04**/MF **A01**
AWD Technologies Integrated AquaDetox (Trade Name)/SVE Technology: Applications Analysis Report.
Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.
Oct 91, 68p EPA/540/A5-91/002
See also PB92-124387.

In support of the U.S. Environmental Protection Agency's (EPA) Superfund Innovative Technology Evaluation (SITE) Program, the report evaluates the AWD Technologies, Inc., integrated AquaDetox/SVE treatment system for simultaneous on-site treatment of contaminated groundwater and soil-gas. The AWD technology uses an AquaDetox moderate vacuum steam stripping system to treat contaminated groundwater and a soil vapor extraction (SVE) system that uses granular activated carbon (GAC) beds to treat soil-gas. The two systems are looped together to form a closed system with no emissions. The report evaluates both the treatment efficiency and economic data based on results from the SITE demonstrated and describes several case studies.

Keywords: *Superfund, *Waste management, *Land pollution control, *Water pollution control, *Hazardous materials, Remedial action, Soil contamination, Soil treatment, Economic analysis, Technology utilization, Soil gases, Ground water, Case studies, Granular activated carbon treatment, *AquaDetox/SVE treatment system, Soil vapor extraction, AWD Technologies Incorporated.

PB92-218395/REB PC **A08**/MF **A02**
Technical Support Document for the 1992 Citizen's Guide to Radon.
Office of Radiation Programs, Washington, DC.
20 May 92, 157p EPA/400/R-92/011

The report presents the wide range of technical analyses, radon risk communication research, legislative directives, and other information that the U.S. Environmental Protection Agency (EPA) used to shape the policies that are set forth in the 1992 A Citizen's Guide to Radon. The report summarizes extensive technical

analyses of the data that have been gathered over the past 6 years.

Keywords: *Radon, *Environmental policy, *Public information, *Public health, *Residential buildings, Guidelines, Revisions, Risk assessment, Mitigation, Indoor air pollution, Cost effectiveness, Radiation detection, Air pollution control, Houses, Exposure, Long term effects, Legislation, Environmental monitoring, Indoor Radon Abatement Act of 1988.

PB92-218403/REB PC **A03**/MF **A01**
Citizen's Guide to Pesticides (Fourth Edition), November 1991.
Environmental Protection Agency, Washington, DC. Office of Pesticides and Toxic Substances.
Nov 91, 28p

The booklet provides information and guidelines on how to safely and effectively handle pesticides. The booklet discusses tips for handling pesticides, how to determine the correct dosage, what the correct storage and disposal methods are, ideas on how to choose a pest control company, and how to reduce one's exposure to pesticides. Finally, the booklet discusses treatment options when accidental poisoning occurs.

Keywords: *Pesticides, *Consumer products, Pest control, Exposure, Poisoning, Food contamination, Storage, Disposal.

PB92-218411/REB PC **A07**/MF **A02**
Environmental Protection Agency, Washington, DC. Office of Wetlands, Oceans and Watersheds.
Volunteer Lake Monitoring: A Methods Manual.
North American Lake Management Society, Washington, DC.
Dec 91, 130p EPA/440/4-91/002
See also PB91-210732. Sponsored by Environmental Protection Agency, Washington, DC. Office of Wetlands, Oceans and Watersheds.

Increasingly, State, local, and Federal agencies are finding that citizen volunteers are valuable partners in programs to monitor and protect our Nation's water resources. The EPA has developed the manual to present specific information on volunteer lake water quality monitoring methods. The manual begins by summarizing the steps necessary to plan and manage a volunteer monitoring program, including setting general goals, identifying the uses and users of collected data, and establishing sound quality assurance procedures. The manual discusses three parameters most commonly used by volunteer monitoring programs to measure the algal condition of a lake: Secchi disk transparency (a measure of water clarity and, indirectly, of algal density); chlorophyll a (a more reliable indicator of algal density); and total phosphorus (a measure of water fertility). Ideally, all three should be measured in a monitoring program. Step-by-step instructions are provided on sampling procedures. The manual concludes with advice on how to present volunteer-collected data.

Keywords: *Environmental monitoring, *Volunteers, *Water quality, *Lakes, Methodology, Algae, Aquatic plants, Oxygen, Dissolved gases.

PB92-218429/REB PC **A16**/MF **A03**
Documentation for Developing the Initial Source Category List. Final rept.
Environmental Protection Agency, Research Triangle Park, NC. Office of Air Quality Planning and Standards.
Jul 92, 368p EPA/450/3-91/030
Contract EPA-68-D1-0117

Section 112 of Title III (Air Toxics) of the Clean Air Act (CAA) as amended in 1990 identifies a list of 189 hazardous air pollutants (HAP's) and requires the U.S. Environmental Protection Agency (EPA) to publish, within 1 year of enactment, an initial list of all categories and subcategories of major and area sources of HAP's. The purpose of this report is to (1) describe the methodology used to identify sources that emit HAP's, (2) document the technical references that support EPA's conclusion that one or more of the listed HAP's is emitted from a specified source category, (3) provide broad descriptions of the categories of major sources included on the initial list, and (4) present the responses to public comments received regarding a preliminary draft list of source categories that was published in the Federal Register on June 21, 1991.

Keywords: *Clean Air Act, *Pollution sources, *Air pollution, US EPA, Hazardous materials, Public opinion, Technology utilization, Stationary sources, Listings, Documentation, Industrial wastes, *Source Category List.

PB92-218791/REB PC **A04**/MF **A01**
Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.
Retech, Inc., Plasma Centrifugal Furnace: Applications Analysis Report. Final rept.
Science Applications International Corp., San Diego, CA.
T. Jackson. Jun 92, 52p EPA/540/A5-91/007
Contract EPA-68-C0-0048
See also PB92-216035 and PB92-216043. Sponsored by Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.

The document is an evaluation of the performance of the Retech Inc. Plasma Centrifugal Furnace (PCF) and its applicability as a treatment technique for soils contaminated with organic and/or inorganic compounds. Both the technical and economic aspects of the technology were examined. A demonstration of the Retech furnace was conducted under the Superfund Innovative Technology Evaluation Program at the Department of Energy's Component Development and Integration Facility in Butte, Montana. Operational data, along with sampling and analysis information, were carefully compiled to establish a data base against which other available data, as well as the vendor's claims for the technology, have been compared and evaluated. Conclusions concerning the technology's suitability for use in immobilizing contaminants in the feed soil were reached, and extrapolations regarding applications at other sites with different contaminants and soil types were made.

Keywords: *Plasma furnaces, *Incinerators, *Waste disposal, *Hazardous materials, *Combustion efficiency, *Technology utilization, Superfund, Soil treatment, Soils, Montana, Soil contamination, Land pollution control, Air pollution control, Economic analysis, Case studies, Superfund Innovative Technology Evaluation Program, Retech Incorporated, Butte(Montana), Resource Conservation and Recovery Act, Principal Organic Hazardous Constituent.

PB92-219732/REB PC **A22**/MF **A04**
Forum on Innovative Hazardous Waste Treatment Technologies (3rd): Domestic and International. Held in Dallas, Texas on June 11-13, 1991. Technical Papers.
Environmental Protection Agency, Washington, DC. Office of Solid Waste and Emergency Response.
Sep 91, 514p EPA/540/2-91/015
See also PB91-145649.

On June 11-13, 1991, the U.S. Environmental Protection Agency's Technology Innovation Office and Risk Reduction Engineering Laboratory hosted an international conference in Dallas, TX, to exchange solutions to hazardous waste treatment problems. This conference, the Third Forum on Innovative Hazardous Waste Treatment Technologies: Domestic and International, was attended by approximately 750 representatives from the U.S. and several foreign countries. During the conference, scientists and engineers representing government agencies, industry, and academia attended 37 presentations describing domestic and international technologies for the treatment of waste, sludges, and contaminated soils at uncontrolled hazardous waste disposal sites. Technologies included physical/chemical, biological, thermal, and stabilization techniques presented by EPA and other federal government agency contractors. Domestic and international scientists and vendors presented over 50 posters explaining their treatment methods and results.

Keywords: *Meetings, *Hazardous materials, *Waste treatment, *Technology innovation, Sludges, Soil contamination, Waste disposal, Physical chemical treatment, Biological treatment, Thermal degradation, United States, Water pollution, Stabilization, Remedial action, Superfund, Soil treatment, Foreign technology, Cleanup operations.

PB92-219823/REB PC **A06**/MF **A02**
Environmental Protection Agency, Research Triangle Park, NC. Atmospheric Research and Exposure Assessment Lab.
Summary Report for the National Atmospheric Deposition Program National Trends Network (NADP/NTN) Site Visitation Program. Rept. for Oct 88-Sep 89.
Research Triangle Inst., Research Triangle Park, NC.
W. C. Eaton, C. E. Moore, R. W. Murdoch, R. C. Shores, and D. A. Ward. Dec 91, 110p EPA/600/R-92/152
Contract EPA-68-D8-0001
See also PB90-212614. Sponsored by Environmental Protection Agency, Research Triangle Park, NC. Atmospheric Research and Exposure Assessment Lab.

The proper collection of precipitation and the accurate measurement of its constituents are important steps in attaining a better understanding of the distribution and effects of acid rain in the United States. One of NAPAP Task Group IV's major programs concerns wet deposition monitoring. One of that program's project, 4A-15, 'Quality Assurance Support for Wet Deposition Monitoring,' is sponsored by the U.S. Environmental Protection Agency (EPA) to evaluate the sample collection process and provide technical assistance to the NADP/NTN network through a site visitation program. Research Triangle Institute, as contractor to EPA, conducts these visits. If deficiencies or nonstandard procedures are noted, the site operator and supervisor are notified. Brief reports are sent to the EPA Project Officer, the NADP/NTN Quality Assurance Manager, and others. In this way, necessary changes can be made promptly. All NADP/NTN sites were visited in 1985-1986. A second round of visits began in October 1986, with the goal of visiting approximately one-third of the 200 sites each year over the next three years. The document is a summary report of the findings from the 1988-1989 (Fiscal Year 1989) site visitation program to 72 of the sites of the NADP/NTN network.

Keywords: *Air pollution sampling, *Acid rain, *Site surveys, *Precipitation(Meteorology), Deposition, Environmental effects, Collecting methods, Comparison, Procedures, Tables(Data), Quality assurance, Quality control, Rain gages, *National Atmospheric Deposition Program/National Trends Network.

PB92-220219/REB PC **A06**/MF **A02**
Reregistration Eligibility Document (RED): Alkyl Amine Hydrochloride.
Environmental Protection Agency, Washington, DC. Office of Pesticide Programs.
Jun 92, 122p EPA/540/RS-92/208

EPA is directed by the Federal Insecticide, Fungicide, and Rodenticide Act as amended in 1988 (FIFRA '88) to review all pesticide products containing active ingredients initially registered before November 1, 1984, and to reregister those products that have a substantially complete data base and do not pose unreasonable adverse effects to people or the environment. The pesticide reregistration program is to be completed by the late 1990's. The Reregistration Eligibility Document (or RED) discusses the scientific data and other information supporting EPA's regulatory conclusion that products containing a pesticide do not pose unreasonable risks when used as directed by Agency-approved labeling, and are eligible for reregistration.

Keywords: *Pesticides, *Standards, Handbooks, Requirements, Chemicals, Acceptability, Toxicology, Risk, Marking, USEPA, Public health, *Alkyl amine hydrochloride, Reregistration.

PB92-220227/REB PC **A06**/MF **A02**
Reregistration Eligibility Document (RED): Putrescent Whole Egg Solids.
Environmental Protection Agency, Washington, DC. Office of Pesticide Programs.
Jun 92, 123p EPA/540/RS-92/209

EPA is directed by the Federal Insecticide, Fungicide, and Rodenticide Act as amended in 1988 (FIFRA '88) to review all pesticide products containing active ingredients initially registered before November 1, 1984, and to reregister those products that have a substantially complete data base and do not pose unreasonable adverse effects to people or the environment. The pesticide reregistration program is to be completed by the late 1990's. The Reregistration Eligibility Document (or RED) discusses the scientific data and other information supporting EPA's regulatory conclusion that products containing a pesticide do not pose unreasonable risks when used as directed by Agency-approved labeling, and are eligible for reregistration.

Keywords: *Pesticides, *Standards, Handbooks, Regulations, Manufacturing, Toxicology, Residues, Path of pollutants, Ecology, Eggs, Public health, *Putrescent Whole Egg Solids, Reregistration.

PB92-220235/REB PC **A07**/MF **A02**
Reregistration Eligibility Document (RED): 'Allium sativum' (Garlic).
Environmental Protection Agency, Washington, DC. Office of Pesticide Programs.
Jun 92, 139p EPA/540/RS-92/207

EPA is directed by the Federal Insecticide, Fungicide, and Rodenticide Act as amended in 1988 (FIFRA '88) to review all pesticide products containing active ingredients initially registered before November 1, 1984, and to reregister those products that have a substantially complete data base and do not pose unreasonable adverse effects to people or the environment. The pesticide reregistration program is to be completed by the late 1990's. The Reregistration Eligibility Document (or RED) discusses the scientific data and other information supporting EPA's regulatory conclusion that products containing a pesticide do not pose unreasonable risks when used as directed by Agency-approved labeling, and are eligible for reregistration.

Keywords: *Pesticides, *Standards, Handbooks, Requirements, Acceptability, Risk, Toxicology, Marking, Ecology, Path of pollutants, *Allium sativum, Garlic, Reregistration.

PB92-220656/REB PC **A08**/MF **A02**
Environmental Protection Agency, Research Triangle Park, NC. Atmospheric Research and Exposure Assessment Lab.
Atlanta Ozone Precursor Monitoring Study Data Report.
ManTech Environmental Technology, Inc., Research Triangle Park, NC.
L. J. Purdue, J. A. Reagan, W. A. Lonneman, T. C. Lawless, and R. J. Drago. Sep 92, 168p EPA/600/R-92/157
Contract EPA-68-D1-0111
See also PB91-211326. Prepared in cooperation with Battelle, Columbus, OH. Sponsored by Environmental Protection Agency, Research Triangle Park, NC. Atmospheric Research and Exposure Assessment Lab.

Monitoring was conducted during the summer of 1990 to address the measurement of ozone (O3) and ozone precursors in Atlanta, Georgia. Data were collected using automated gas chromatography. Resolved individual species were detected via a flame ionization detector (FID) and an electron capture detector (ECD). The study area included six continuous and six enhancement sites located in and around the greater metropolitan Atlanta area. The collected data provide an information base to support the development and implementation of improved strategies to reduce O3 in metropolitan areas. This data base contains more than 300,000 hourly measurements of the various parameters and species identified for the study.

Keywords: *Ozone, *Air pollution monitoring, Metropolitan area, Gas chromatography, Sites, Reduction, Data base, Summer, Measurement, Nitrogen oxides, Carbon monoxide, Data collection, Sampling, Quality control, Air pollution control, Photographs, Tables(Data), Nitrogen dioxide, *Atlanta(Georgia), Strategic planning.

PB92-221373/REB PC **A04**/MF **A01**
Chesapeake Bay Basin Comprehensive List of Toxic Substances.
Environmental Protection Agency, Annapolis, MD. Chesapeake Bay Program.
Apr 92, 67p CBP/TRS-72/92

The Chesapeake Bay Basin Comprehensive List of Toxic Substances is a compilation of the toxic substances detected in, released, or applied to all media (water, soil, sediment, tissue and air) within the Chesapeake Bay basin. A substance's inclusion in this list does not constitute evidence of potential or existing environmental impact. It merely documents a finding or measurement in some media at some point in time. This Comprehensive List serves two specific purposes: It is the central listing of toxic substances around which the Chesapeake Bay Program's Toxics Data Base has been structured and organized, and it defines the 'universe' of toxic substances from which future revisions and updates to the Chesapeake Bay Toxics of Concern List will be ranked and identified. The Comprehensive List is being published as a document to meet other potential uses by the Chesapeake Bay Program agencies such as defining parameter lists for toxics monitoring programs.

Keywords: *Chesapeake Bay Basin, *Toxic substances, *Environmental surveys, *Water pollution, Listings, Soil surveys, Sediments, Biological effects, Air pollution, Tissues(Biology), Air water interactions, Deposition, Pesticides, Waste water, Marine biology, Water analysis.

PB92-221647/REB PC **A03**/MF **A01**
Vendor Information System for Innovative Treatment Technologies. User Manual (VISITT Version 1.0). Number 1.
Environmental Protection Agency, Washington, DC. Office of Solid Waste and Emergency Response.
Jun 92, 49p EPA/542/R-92/001
See also PB91-921289.

The Technology Innovation Office (TIO) of the U.S. Environmental Protection Agency (EPA) Office of Solid Waste and Emergency Response (OSWER) has developed the Vendor Information System for Innovative Treatment Technologies (VISITT) to provide current information on innovative treatment technology. VISITT contains technology information submitted by developers, manufacturers, and suppliers of innovative treatment technology equipment and services. The database provides a means for innovative technology vendors to make their products and capabilities known to the state, federal, and private sector professionals such as yourself. You can use VISITT to screen technologies that may be appropriate for cleanup of the nation's hazardous waste sites, or to gain additional information about these technologies.

Keywords: *Information systems, *Waste treatment, *User manuals, *Hazardous materials, Vendors, US EPA, Information transfer, Site surveys, Remedial action, Technology transfer, Performance evaluation, *Innovative treatment technologies, *VISITT(Vendor Information System for Innovative Treatment Technology), Cleanup operations.

PB92-221811/REB PC **A13**/MF **A03**
General Information on Applying for Registration of Pesticides in the United States. Second Edition.
Environmental Protection Agency, Washington, DC. Office of Pesticide Programs.
H. Harrison. Aug 92, 293p EPA/540/09-92/213, EPA/737/B-92/001
See also diskette, PB92-504356.

The instruction manual, which is divided into 18 chapters, is intended to provide a general overview and guidance for persons seeking to register a pesticide in the United States. Every attempt has been made to make the information contained in the Instruction Manual accurate and current, however, changes in the Federal pesticide law (Federal Insecticide, Fungicide, and Rodenticide Act) (FIFRA), regulations, policies and requirements are an ongoing process.

Keywords: *Licenses, *Pesticides, *United States, Regulations, Instruction manuals, Policies, Requirements, Toxicity, Response, Registration, Federal Insecticide Fungicide and Rodenticide Act.

PB92-221829/REB PC **A06**/MF **A02**
Reregistration Eligibility Document (RED): Citric Acid.
Environmental Protection Agency, Arlington, VA. Special Review and Reregistration Div.
Jun 92, 123p EPA/540/RS-92/214
See also PB92-221837.

EPA is directed by the Federal Insecticide, Fungicide, and Rodenticide Act as amended in 1988 (FIFRA '88) to review all pesticide products containing active ingredients initially registered before November 1, 1984, and to reregister those products that have a substantially complete data base and do not pose unreasonable adverse effects to people or the environment. The pesticide reregistration program is to be completed by the late 1990's.

Keywords: *Regulations, *Pesticides, Citric acid, Toxicity, Path of pollutants, Manufacturing, Chemical analysis, Ecology, Requirements, Pesticide residues, Reregistration.

PB92-221837/REB PC **A01**/MF **A01**
RED Facts: Citric Acid. Fact sheet.
Environmental Protection Agency, Washington, DC. Office of Pesticides and Toxic Substances.
Jun 92, 5p EPA/540/FS-92/215
See also PB92-221829

EPA is directed by the Federal Insecticide, Fungicide, and Rodenticide Act as amended in 1988 (FIFRA '88) to review all pesticide products containing active ingredients initially registered before November 1, 1984, and to reregister those products that have a substantially complete data base and do not pose unreasonable adverse effects to people or the environment. The pesticide reregistration program is to be completed by the late 1990's. The RED FACTS fact sheet summarizes EPA's conclusion, as set forth in the Reregistration Eligibility Document (or RED), that products containing a pesticide do not pose unreasonable risks when used as directed by Agency-approved labeling, and are eligible for reregistration.

Keywords: *Regulations, *Pesticides, *United States, Approvals, Labels, Risk, Citric acid, Disinfectants, Requirements, Federal Insecticide Fungicide and Rodenticide Act and Amendments of 1988, Reregistration.

PB92-221985/REB PC **A01**/MF **A01**
Tech Trends (Number 8).
Environmental Protection Agency, Washington, DC. Office of Solid Waste and Emergency Response.
Mar 92, 5p EPA/542/N-92/001

The Department of Energy (DOE) has developed and demonstrated an in situ air stripping technique that utilizes horizontal wells to remove volatile organic solvents from soil and groundwater. The demonstration was part of the DOE's Savannah River Integrated Demonstration Program. At the site, an abandoned process sewer line leaked trichloroethylene and tetrachloroethylene into soil and groundwater.

Keywords: *Strippers, *Ground water, *Water wells, Biodeterioration, Soils, Volatile organic compounds, Metals, Stabilization, Contamination, Removal, Arsenic, Chromium, Bioreactors, Air stripping, SITE.

PB92-222041/REB PC **A09**/MF **A03**
Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.
Chemical Oil Spill Dispersants: Evaluation of Three Laboratory Procedures for Estimating Performance.
Science Applications International Corp., San Diego, CA.
J. R. Clayton, and P. Marsden. Sep 92, 195p EPA/600/R-92/177
Contract EPA-68-C8-0062
Sponsored by Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.

The report presents data from studies designed to evaluate characteristics of selected bench-scale test methods for estimating performance of chemical agents for dispersing oil from surface slicks into an underlying water column. In order to mitigate the effect of surface slicks with chemical dispersant agents, however, an on-scene coordinator must have information and an understanding of performance characteristics for available dispersant agents. Performance of candidate dispersant agents can be estimated on the basis of laboratory testing procedures that are designed to evaluate performance of different agents. Data presented in the report assist in the evaluation of candidate test methods for estimating performance of candidate dispersant agents. Three test methods were selected for evaluating performance: the currently accepted Revised Standard EPA test, Environmental Canada's Swirling Flask test, and the IFP-Dilution test.

Keywords: *Oil slicks, *Water pollution control, *Dispersants, *Oil pollution removal, Chemical compounds, Performance evaluation, National government, Experimental design, Study estimates, On-scene coordinators.

PB92-222207/REB PC **A05**/MF **A01**
Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.

Chemical Oil Spill Dispersants: Update State-of-the-Art on Mechanisms of Action and Factors Influencing Performance with Emphasis on Laboratory Studies. Draft rept. (Final).
Science Applications International Corp., San Diego, CA.
J. R. Clayton, and J. R. Payne. Oct 92, 91p EPA/600/R-92/176
Contract EPA-68-C8-0062
See also PB89-198899. Prepared in cooperation with Sound Environmental Services, Inc., Carlsbad, CA. Sponsored by Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.

The purpose of the report is to provide an updated review of information from the available literature for the mechanism of action of chemical dispersants, variables that affect dispersant performance, evaluation of a variety of laboratory tests designed to assess the performance of dispersant agents, and a brief consideration of relationships between laboratory methods and field situations. Differences among tests are particularly important because they may be responsible for not only significant differences in results between laboratory testing methods but also poor correlations between laboratory results and data from field tests. Four general types of laboratory testing methods are considered: (1) tank tests, (2) shake/flask tests, (3) interfacial surface tension tests, and (4) flume tests.

Keywords: *Dispersants, *Oil pollution, *Water pollution control, Ocean environments, Concentration(Composition), Chemical compounds, Toxicity, Field tests, Estimating, Performance evaluation, Laboratories, Safety, Models, Test methods, Tables(Data), *Oil spills, Cleanup.

PB92-222215/REB PC **A06**/MF **A02**
Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.
Technology Evaluation Report: Babcock and Wilcox Cyclone Furnace Vitrification Technology. Volume 1.
Science Applications International Corp., Cincinnati, OH.
P. Groeber. Sep 92, 108p EPA/540/R-92/017A
Contract EPA-68-C0-0048
See also Volume 2, PB92-222223. Sponsored by Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.

The project consists of an analysis of the Babcock and Wilcox (B&W) Cyclone Furnace Vitrification process. The SITE Demonstration took place at the B&W Research and Development Division in Alliance, Ohio. The vitrification process was performed on a synthetic soil matrix (SSM) that was spiked with known concentrations of semivolatile organic compounds, metals, and simulated radionuclides. The Demonstration effort was directed at obtaining information on the performance and cost of the process for use at other sites. Documentation will consist of two reports. This Technology Evaluation Report (TER) is contained in two volumes and describes the field activities and laboratory results.

Keywords: *Soil treatment, *Vitrification, *Hazardous materials, *Waste management, *Cyclone combustors, Volatile organic compounds, Metals, Radioisotopes, Technology innovation, Performance evaluation, Furnaces, Design criteria, High temperature tests, Incineration, *Innovative treatment technologies, *Superfund Innovative Technology Evaluation, Alliance(Ohio).

PB92-222223/REB PC **A15**/MF **A03**
Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.
Technology Evaluation Report: Babcock and Wilcox Cyclone Furnace Vitrification Technology. Volume 2.
Science Applications International Corp., Cincinnati, OH.
P. Groeber. Sep 92, 328p EPA/650/R-92/017B
Contract EPA-68-C0-0048
See also Volume 1, PB92-222215. Sponsored by Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.

The Babcock & Wilcox (B&W) Cyclone Furnace Vitrification Technology is a treatment process for contaminated soils. The process was evaluated to determine its ability to destroy semivolatile organics and to isolate metals and simulated radionuclides into a non-leachable slag material. The feed material for the system was a prepared synthetic soil matrix (SSM) that was spiked with two organic compounds and six metals. This volume contains the appendices.

Keywords: *Soil treatment, *Vitrification, *Hazardous materials, *Waste management, *Cyclone combustors, Volatile organic compounds, Metals, Radioisotopes, Technology innovation, Performance evaluation, Furnaces, Design criteria, High temperature tests, Incineration, *Innovative treatment technologies, *Superfund Innovative Technology Evaluation, Alliance(Ohio).

PB92-222231/REB PC **A08**/MF **A02**
Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.
Toxicity Reduction Evaluation: Case Histories at High Point and Fayetteville, North Carolina.
North Carolina Univ. at Chapel Hill. Dept. of Environmental Sciences and Engineering.
F. A. DeGiano, M. Maerker, T. L. Champlin, and M. V. Frey. Oct 92, 169p EPA/600/R-92/184
See also PB86-158474, PB89-125934 and PB89-207013. Sponsored by Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.

The research focused on investigation of two important elements of the toxicity reduction evaluation (TRE) protocol proposed by EPA: (1) toxicity identification evaluation (TIE) and (2) toxicity source evaluation (TSE). The specific objectives were to: challenge the TIE protocol with target compounds to determine whether the toxicity could be properly classified; apply the TIE and TSE protocols to two case studies (High Point, NC and Fayetteville, NC) where pass-through toxicity was highly variable; and investigate the potential for return activated sludge to desorb components that may cause acute toxicity. The refractory toxicity assessment (RTA) protocol was modified toidentify chronic toxicity as the end-point rather than acute toxicity. Results indicated that the TIE Phase I protocol can provide proper direction for further narrowing of potential toxicants but more data are needed on mixtures of target compounds to show reliability.

Keywords: *Toxicity, *Sewage disposal, *Water quality, *Water pollution control, *Industrial wastes, Case studies, Pollution sources, Activated sludge process, Sewage treatment plants, Water pollution effects, Toxic substances, National Pollution Discharge Elimination System, High Point(North Carolina), Fayetteville(North Carolina).

PB92-222512/REB PC **A06**/MF **A02**
Volunteer Lake Monitoring Program, 1991. Volume 1: Statewide Summary Report. Annual rept.
Illinois State Environmental Protection Agency, Springfield. Div. of Water Pollution Control.
A. J. Burns. Apr 92, 115p IEPA/WPC/92-110A
See also PB91-210740.

A Volunteer Lake Monitoring Program initiated by the Illinois EPA in 1981 was continued in 1991. Citizens were trained to measure Secchi disc transparency, total depth, and record field observations from a boat at designated sites on their chosen lake. Readings were to be taken at least twice a month from May through October, and the results forwarded to the Agency. In addition, volunteers for 41 lakes collected water samples for analysis of nutrients and suspended solids when performing the Secchi monitoring. This report provides a historical perspective of the Volunteer Lake Monitoring Program and describes program objectives and rationale. Methods for volunteer training and data handling/analysis are described; 1991 program results presented and discussed; and trends analyzed.

Keywords: *Environmental monitoring, *Lakes, *Water quality, *Water pollution sampling, State programs, Citizen participation, Tables(Data), Illinois, *Volunteer Lake Monitoring Program, Secchi disc transparency.

PB92-222850/REB PC **A07**/MF **A02**
Environmental Protection Agency, Annapolis, MD. Chesapeake Bay Program.
Comprehensive List of Chesapeake Bay Basin Species.
Computer Sciences Corp., Annapolis, MD. Chesapeake Bay Liaison Office.
Mar 92, 140p CBP/TRS-70/92
Contract EPA-68-WO-0043
See also PB92-220979. Sponsored by Environmental Protection Agency, Annapolis, MD. Chesapeake Bay Program.

The report, 'A Comprehensive List of Chesapeake Bay Basin Species,' serves three specific purposes: It provides the Bay community with a standardized list of Chesapeake Bay aquatic and aquatic-associated living resources; It provides the Chesapeake Bay Program access to toxicity data that will be used to revise and update the Chesapeake Bay Toxics of Concern List; and, it supports Chesapeake Bay Program agencies in determining the presence and status of living resources in the Bay.

Keywords: *Aquatic animals, *Forest trees, *Marine fishes, Taxonomy, *Chesapeake Bay Basin, Birds, Herrings, Shrimps, Mussels, Worms, Ducks, Eels, Annelida, Clams, Perch, Nematoda, Diatoms, Barnacles, Flat fishes, Sea grasses, Turtles, Listings, Blue heron.

PB92-222876/REB PC **A04**/MF **A01**
Illinois State Environmental Protection Agency, Springfield. Div. of Water Pollution Control.
Volunteer Lake Monitoring Program, 1991. Volume 6. Southwestern Illinois Region.
Southwestern Illinois Metropolitan and Regional Planning Commission, Collinsville.
Apr 92, 72p IEPA/WPC/92-110F
See also PB91-210799. Sponsored by Illinois State Environmental Protection Agency, Springfield. Div. of Water Pollution Control.

A volunteer Lake Monitoring Program initiated by the Illinois EPA in 1981 was continued through 1992. Citizens were trained to measure Secchi disc transparency, total depth, and record field observations from a boat at three sites on their chosen lake, twice per month from May through October. This report provides a summary of the 1991 program conducted in the Southwestern Illinois Region. Eighteen volunteers participated in monitoring eleven lakes. Regional results are analyzed and compared with statewide results. Individual lake summaries are provided for lakes sampled six or more periods during the season, and data is provided for lakes sampled by the Illinois EPA under the Ambient Lake Monitoring Program.

Keywords: *Environmental monitoring, *Lakes, *Water quality, *Water pollution sampling, State programs, Seasonal variations, Graphs(Charts), Tables(Data), Citizen participation, Illinois, *Volunteer Lake Monitoring Program, *Southwest Region(Illinois), Secchi disc transparency.

PB92-223023/REB PC **A19**/MF **A04**
Illinois Water Quality Report, 1990-1991. Final rept.
Illinois State Environmental Protection Agency, Springfield. Div. of Water Pollution Control.
Apr 92, 429p IEPA/WPC/92-255
See also PB90-252396.Color illustrations reproduced in black and white.

The report addresses the quality of the waters of the State of Illinois for the period of 1990 and 1991 in fulfillment of Section 305(b) of the Clean Water Act. Waterbodies including rivers, streams, inland lakes, and Lake Michigan are assessed for degree of overall and individual use supports. Discussions of the State's wetland resources and groundwater protection programs are also provided. In addition, detailed information regarding public health/aquatic life concerns (fish advisories, fish kills, sediment contamination, waterborne toxics); lake information required by Section 314 of the CWA; Nonpoint Source Assessment information required by Section 319(a); identification of water quality limited waters required by Section 303(d); water pollution control program descriptions; and special state concerns and recommendations is also provided.

Keywords: *Illinois, *Water quality management, *Clean Water Act, Water pollution control, Surface waters, Toxic substances, Wetlands, Ground water, Table(Data), State programs, Rivers, Streams, Lake Michigan, Public health, Aquatic biology, Nonpoint sources.

PB92-223122/REB PC **A08**/MF **A02**
Environmental Protection Agency, Washington, DC.

Drinking Water and Health. Volume 5. Final rept.
National Research Council, Washington, DC.
1983, 169p ISBN-0-309-03381-0
Contract EPA-68-01-3169
See also PB82-249244, PB81-206013, and PB-292 420. Library of Congress catalog card no. 77-89284. Sponsored by Environmental Protection Agency, Washington, DC.

The study reported in the volume continues the assessment and evaluation procedures established in the earlier volumes which identified chemical and biological contaminants associated with drinking water distribution systems and the health implications of deficiencies in those systems. An evaluation of information on the toxicity of selected inorganic and organic contaminants and SNARL's were provided when appropriate. Some of the compounds were reviewed for the first time in the report; others had been reviewed in earlier volumes of the series. For the latter compounds, discussions were limited mainly to information that had become available after the earlier reports had been published, although the committee occasionally cited older references that were not previously assessed. Twenty-one compounds are reviewed in Chapter 2. Chapter 3 contains an evaluation of epidemiological data on exposure to arsenic and asbestos in drinking water.

Keywords: *Potable water, *Disinfection, *Water pollution effects(Humans), Toxicity, Arsenic, Asbestos, Organic compounds, Health hazards, Epidemiology, Inorganic compounds.

PB92-223130/REB PC **A21**/MF **A04**
Environmental Protection Agency, Washington, DC.
Drinking Water and Health. Volume 6. Final rept.
National Research Council, Washington, DC.
R. D. Thomas. 1986, 489p
Contract EPA-68-01-6371
Sponsored by Environmental Protection Agency, Washington, DC.

The volume reviews the state of the art in the developing field of risk assessment and provides some risk assessment for drinking water exposure to 14 compounds of interest to the EPA as the agency develops its regulatory program. Reflecting the tendency of past toxicological studies to focus on cancer as the main health effect of concern, most of the risk assessments in the report were estimated for carcinogenicity. Wherever data were adequate, however, the committee also developed risk assessments for noncancer end points. The report assesses methods for using epidemiological data in conducting risk assessments and methods for extrapolating results of laboratory animal inhalation studies to estimate human risk from ingestion. The reports describes mathematical modeling approaches currently available or under development of the assessment of noncancer risks.

Keywords: *Potable water, *Water pollution effects(Humans), Toxicology, Risk assessment, Neoplasms, Epidemiology, Mathematical models, Reproduction(Biology), Teratognic compounds, Nervous system, Carcinogenesis, Dose-response relationships.

PB92-223171/REB PC **A08**/MF **A02**
Environmental Protection Agency, Washington, DC.
Multimedia Approaches to Pollution Control: A Symposium Proceedings.
National Research Council, Washington, DC. Board on Environmental Studies and Toxicology.
1987, 164p
Grant EPA-X-812723-01-0
Report on a symposium held on February 11, 1987. Sponsored by Environmental Protection Agency, Washington, DC.

A symposium was organized by the committee to focus on whether a sufficient knowledge base exists or enough is known to warrant greater attention, in both the scientific and policy-making communities, to the implications of multimedia transfers. There were four sessions: (1) an examination of the occurrence and extent of multimedia transfers and the basic ecologic principles that describe them; (2) methods available for the assessment of multimedia transport of pollutants; (3) legal, political, and institution considerations relevant to the multimedia approach; and (4) an overall discussion of multimedia assessment and regulations. Keywords: *Meetings, *Pollution control, *Environmental surveys, Ecology, Environmental transport, Environmental impact assessments, Pollution regulations, Legal aspects, Air pollution, Water pollution, Land pollution.

PB92-223189/REB PC **A08**/MF **A02**
Environmental Protection Agency, Washington, DC.
Opportunities in Applied Environmental Research and Development. Final rept.
National Research Council, Washington, DC. Board on Environmental Studies and Toxicology.
1991, 170p
Contract EPA-68-D80079
Sponsored by Environmental Protection Agency, Washington, DC., National Inst. of Environmental Health Sciences, Research Triangle Park, NC., and Agency for Toxic Substances and Disease Registry, Atlanta, GA.

There are many opportunities in applied environmental research and development. In investigating such opportunities, the committee attempted to look into the future; therefore, the report is not an exhaustive scientific report, but rather an attempt to summarize the opinions of experts in several fields. Four areas were investigated by the committee with the assistance of participants in a series of workshops: waste reduction, ecosystem and landscape change, anticipatory research, and long-term chemical toxicity. One fundamental question is whether the EPA and other agencies should fund only research linked specifically to its legislated regulatory objectives or whether it should also anticipate new or emerging, unregulated environmental problems. The committee believes that research is an essential foundation of environmental protection and that scientifically based advisory panels should play a larger and more visible role in fostering improvements in environmental science, such as deveoping high-quality research institutions and advising environmental agencies on ways to link research effectively with policy and management decision making.

Keywords: *Research and development, *Environmental research, *Meetings, Waste management, Ecosystems, Long term effects, Toxicity, Chemical compounds, Environmental management, Forecasting, Pollution regulations, Environmental monitoring, Landscape change, Source reduction, Waste minimization.

PB92-223213/REB PC **A09**/MF **A02**
Environmental Protection Agency, Washington, DC.
Tracking Toxic Substances at Industrial Facilities: Engineering Mass Balance versus Materials Accounting. Final rept.
National Research Council, Washington, DC.
1990, 191p* ISBN-0-309-040868
Library of Congress catalog card no. 89-62948. Sponsored by Environmental Protection Agency, Washington, DC.

In response to a congressional mandate, this book examines whether knowing the amounts of toxic substances entering and leaving manufacturing facilities is useful in evaluating chemical releases to the environment, waste reduction progress, and chemical management practices. Tracking these substances with rigorous engineering data is compared with a less resource-intensive alternative to determine the feasibility and potential usefulness to the public and the government.

Keywords: *Toxic substances, *Environmental surveys, *Industrial wastes, *Mass balance, *Waste management, Tracer studies, Chemical compounds, Superfund, Air pollution, Sewage treatment, Water pollution, Chemical industry, Manufacturing, Materials recovery, Feasibility studies, Source reduction.

PB92-223221/REB PC **A22**/MF **A04**
Department of Energy, Washington, DC.
Rethinking the Ozone Problem in Urban and Regional Air Pollution. Final rept.
National Research Council, Washington, DC.
c1991, 505p
Contract DE-FG001-89FE618, Grant EPA-R-816174
Library of Congress catalog card no. 91-68142. Sponsored by Department of Energy, Washington, DC., Environmental Protection Agency, Washington, DC., American Petroleum Inst., Washington, DC., and Motor Vehicle Mfrs. Association of the United States, Inc., Detroit, MI.

Public attention has focused on the depletion of ozone in the upper atmosphere. Experts are also concerned, however, about the formation of ozone pollution in the lower atmosphere, or troposphere, and the resulting threats to human, animal, and plant respiratory health. Most critical to public health is the formation of ozone around large urban areas, where concentrations can be up to three times those considered safe by the U.S. Environmental Protection Agency. This report presents a wide range of current findings on how tropospheric ozone is formed, how well ozone and its precursors are measured, why efforts to date to control the problem have fallen short, what approaches hold the most promise, and what additional research is needed. The recommendations presented in this report provide a roadmap for improving the ozone information base so effective control strategies can be developed.

Keywords: *Ozone, *Air pollution, *Urban areas, *Air quality, Troposphere, Environmental effects, Ozone depletion, Atmospheric chemistry, Volatile organic compounds, Meteorology, Regional analysis, Air pollution abatement, Air pollution control, Photochemical reactions, Nitrogen oxides, Natural emissions, Climatic changes, Mathematical models, Alternative fuels, Emission inventories.

PB92-223239/REB PC **A10**/MF **A03**
Environmental Protection Agency, Washington, DC.
Monitoring Human Tissues for Toxic Substances. Final rept.
National Research Council, Washington, DC.
1991, 216p ISBN-0-309-04437-5
Library of Congress catalog card no. 91-61252. Sponsored by Environmental Protection Agency, Washington, DC.

The National Human Monitoring Program (NHMP) was established in 1967 within the U.S. Public Health Service to study changes in pesticide residues in the U.S. population. The primary activities of the NHMP are the National Human Adipose Tissue Survey (NHATS) and special studies that support other programs requiring data relevant to chemical exposures. The NHMP, including NHATS, was transferred to the Environmental Protection Agency (EPA) in 1970. The NHATS is now out of date and only partially fulfills its objectives. Design and management problems have been compounded by insufficient financial support for the changing and expanding objectives, and the overall quality of the NHATS has deteriorated. In 1987 EPA announced its intention to eliminate the NHMP. Congress responded by instructing EPA to retain the program, pending a review of its usefulness. EPA asked the National Research Council (NRC) to review and evaluate the effectiveness and potential applications of the NHMP. The report evaluates the current activities of the NHMP; identifies important scientific, technical, and programmatic issues; and makes recommendations regarding the design of the program and use of its products.

Keywords: *Toxic substances, *Tissues(Biology), Pesticide residues, Environmental monitoring, Adipose tissue, Risk assessment, Body fluids, Sampling, Chemical analysis, Recommendations, *National Human Monitoring Program, National Human Adipose Tissue Survey, Tissue monitoring.

PB92-223254/REB PC **A11**/MF **A03**
Environmental Protection Agency, Washington, DC.
Aging in Today's Environment. Final rept.
National Research Council, Washington, DC. Board on Environmental Studies and Toxicology.
1987, 235p
Grant EPA-R-812961-01-0
Sponsored by Environmental Protection Agency, Washington, DC., and Department of Health and Human Services, Washington, DC.

The report examines the relationships between aging and exposure to environmental agents (including natural and man-made agents, as well as life-style factors). Several relationships were considered--the impact of intermittent or lifelong exposure to environmental agents on the rate of aging, the impacts of lifelong exposure on health status when one reaches more advanced age, and the special response of the aged compared with that of the young when exposed to en-

vironmental agents. The report gathers in one document the pertinent data that do exist, examines them for clues and directions for future research, and seeks some theoretical and practical frameworks for addressing the issue, and suggests a course of research.

Keywords: *Aging(Biology), *Environmental pollutants, Vision, Geriatrics, Toxicology, Exposure, Nutrition, Life style, Drugs, Demography, Skin(Anatomy), Hearing, In vitro analysis, Animal disease models, Nervous system, Respiratory system, Kidney, Cardiovascular system, Immune system.

PB92-223262/REB PC **A15**/MF **A03**
Environmental Protection Agency, Washington, DC.
Environmental Tobacco Smoke: Measuring Exposures and Assessing Health Effects. Final rept.
National Research Council, Washington, DC. Board on Toxicology and Environmental Health Hazards.
c1986, 350p ISBN-0-309-03730-1
Contract EPA-68-02-4073, PHS-ASU000001-06-S1
See also PB87-191516. Library of Congress catalog card no. 86-28622. Sponsored by Environmental Protection Agency, Washington, DC., and Public Health Service, Rockville, MD.

The report evaluates methodologies in epidemiologic and related studies for obtaining measurements of exposure to environmental tobacco smoke (ETS) by nonsmokers and also outlines the possible health effects of such exposures as reported in the published literature. The committee reviewed original research data and identified research needs but was not charged with preparing policy statements or recommendations for public health actions.

Keywords: *Exposure, *Air pollution effects(Humans), *Tobacco smoke pollution, Measurement, In vivo analysis, In vitro analysis, Toxicology, Questionnaires, Dose-response relationships, Biological markers, Pulmonary neoplasms, Cardiovascular system, Children, Neoplasms, Carcinogens, *Environmental tobacco smoke.

PB92-223288/REB PC **A09**/MF **A03**
Environmental Protection Agency, Washington, DC.
Polychlorinated Biphenyls. Final rept.
National Research Council, Washington, DC.
1979, 198p ISBN-0-309-02885-X
Contract EPA-68-01-3962
Library of Congress catalog card no. 79-65443. Sponsored by Environmental Protection Agency, Washington, DC.

The committee provided EPA with a detailed assessment of the nature of the problems of PCBs and of alternatives for reducing the current substantial level of environmental contamination from PCBs. The committee developed a model of PCB distribution throughout the environment with estimates of current reservoir burdens, analyzed the economic impact of various control options, and used PCB data as the test case, to assess the effectiveness of the proposed EPA testing guidelines for evaluating toxic substances.

Keywords: *Chlorine organic compounds, *Biphenyl, *Environmental impacts, *Air pollution, Mathematical models, Chlorine, Toxicity, Coolants, Estimates, US EPA, *Polychlorinated biphenyls, Toxic Substances Control Act.

PB92-224088/REB PC **A02**/MF **A01**
Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.
Supercritical Water Oxidation: Engineering Bulletin. Bulletin.
Science Applications International Corp., Cincinnati, OH.
Sep 92, 9p EPA/540/S-92/006
Contract EPA-68-C8-0062
Sponsored by Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.

The engineering bulletin presents a description and status of supercritical water oxidation technology, a summary of recent performance tests, and the current applicability of this emerging technology. This information is provided to assist remedial project managers, contractors and others to understand what supercritical water oxidation research has been done and where the technology will be demonstrated in the future.

Keywords: *Waste treatment, *Oxidation, *Supercritical state, *Water, Performance evaluation, Decomposition, Separation, Remedial action.

PB92-224096/REB PC **A01**/MF **A01**
Protecting Endangered Species: Interim Measures, Stephens County, Georgia.
Environmental Protection Agency, Washington, DC. Office of Pesticides and Toxic Substances.
Sep 90, 5p EPA-20T-3025

The information in this pamphlet is similar to what the U.S. Environmental Protection Agency (EPA) expects to distribute once our Endangered Species Protection Program is in effect. The limitations on pesticide use are not law at this time, but are being provided now for your use in voluntarily protecting endangered and threatened species from harm due to pesticide use. We encourage you to use this information. We also welcome your comments. This publication contains a County Map showing the area within the county where pesticide use should be limited to protect listed species. These areas are identified on the map by a shaded pattern. Each shaded pattern corresponds to a species in need of protection.

Keywords: *Endangered species, *Pesticides, Wildlife, Citizen participation, Animal behavior, US EPA.

PB92-224104/REB PC **A03**/MF **A01**
TCE Removal from Contaminated Soil and Ground Water. Ground Water Issue.
Environmental Protection Agency, Washington, DC. Office of Solid Waste and Emergency Response.
H. H. Russell, J. E. Matthews, and G. W. Sewell. Jan 92, 12p EPA/540/S-92/002

Trichloroethylene (TCE) is a halogenated aliphatic organic compound which, due to its unique properties and solvent effects, has been widely used as an ingredient in industrial cleaning solutions and as a universal degreasing agent. Methods that are required for remediation of water contaminated with TCE if such water is to be used for human consumption are discussed. The purpose of this paper is to: (1) present a synopsis of physicochemical properties and reactive mechanisms of TCE, and (2) delineate and discuss promising remediation technologies that have been proposed and/or demonstrated for restoring TCE-contaminated subsurface environmental media.

Keywords: *Water pollution control, *Land pollution control, *Remedial action, *Ethylene/trichloro, Volatile organic compounds, Potable water, Physical properties, Chemical properties, Waste disposal, Environmental transport, Stripping, Adsorption, Aeration, Biological treatment, Chemical reaction mechanisms, Soil venting.

PB92-224138/REB PC **A14**/MF **A03**
Electric Power Research Inst., Palo Alto, CA.
Ground Water Models: Scientific and Regulatory Applications.
National Research Council, Washington, DC. Water Science and Technology Board.
c1990, 320p* ISBN-0309-03993-2
Contracts RP2485-10, EPA-CR-814067
Sponsored in part by grant NSF-CES-8708081. Library of Congress catalog card no. 89-14033. Sponsored by Electric Power Research Inst., Palo Alto, CA., Nuclear Regulatory Commission, Washington, DC., Environmental Protection Agency, Washington, DC., and National Science Foundation, Washington, DC.

Ground Water Models: Scientific and Regulatory Applications addresses scientific aspects and the use of ground water flow and contaminant transport modeling in the regulatory process. The committee was chaired by Frank W. Schwartz, Ohio State University.

Keywords: *Water flow, *Ground water, Mathematical models, Regulations, Environmental transport, Contaminants, Assessments, Books, Hydrogeology, Committee.

PB92-224161/REB PC **A24**/MF **A04**
Department of the Interior, Washington, DC.
Restoration of Aquatic Ecosystems: Science, Technology and Public Policy.
National Research Council, Washington, DC. Water Science and Technology Board.
c1992, 574p
Library of Congress catalog card no. 91-43324. Sponsored by Department of the Interior, Washington, DC., Bureau of Reclamation, Washington, DC., Living Lakes, Inc., Washington, DC., and Department of Agriculture, Washington, DC.

The Restoration of Aquatic Ecosystems: Science, Technology, and Public Policy outlines a national strategy for restoring the nation's rivers, streams, wetlands, and lakes. It features case studies of aquatic restoration recommendations for implementing a long-term, comprehensive strategy for restoring the nation's aquatic ecosystems. Committee chair: John Cairns Jr., Virginia Polytechnic Institute.

Keywords: *Ecosystems, *Aquatic biology, *Surface waters, Lakes, Rivers, Streams, Project planning, Wildlife, Lake Michigan, Lake Apopka, Government policies, Decision making, Financing, Water supply, Markets, Illinois River, Mississippi River, Merrimac River, Drainage, Books, *Restoration, Wetlands, Case studies, Institutional barriers.

PB92-224179/REB PC **A12**/MF **A03**
Department of Energy, Washington, DC.
Ground Water and Soil Contamination Remediation: Toward Compatible Science, Policy, and Public Perception. Report on a Colloquium Sponsored by the Water Science and Technology Board, Colloquium 5 of a Series.
National Research Council, Washington, DC. Water Science and Technology Board.
1990, 274p ISBN-0-309-04184-8
Grants DE-FG05-89ER60743, EPA-X-813619-03-0
See also PB89-198931. Library of Congress catalog card no. 89-63752. Sponsored by Department of Energy, Washington, DC., Environmental Protection Agency, Washington, DC., Federal Emergency Management Agency, Washington, DC., and National Science Foundation, Washington, DC.

Ground Water and Soil Contamination Remediation: Toward Compatible Science, Policy, and Public Perception focuses on how science influences policy and public perceptions where cleanup of ground water and soil contamination is concerned. The report familiarizes the public, press, and Congress with the scientific constraints involved in soil and ground water cleanup policy, given the complex scientific questions underlying these issues. The committee chairman was Richard A. Conway, Union Carbide Corporation.

Keywords: *Groundwater, *Soils, *Water pollution, Contamination, Government policies, Conflicts, Spatial distribution, Behavior, Environmental transport, Decision making, Scientists, Technology transfer, Improvement, Legislation, Publicity, Remedial action, Cleanup.

PB92-224278/REB PC **A24**/MF **A04**
Environmental Protection Agency, Washington, DC. Office of Pesticides and Toxic Substances.
Toxics in the Community: National and Local Perspectives. The 1989 Toxics Release Inventory National Report.
Hampshire Research Associates, Alexandria, VA.
Sep 91, 554p* EPA/560/4-91/014
Contracts EPA-68-D0-0165, EPA-68-D9-0169
See also PB91-100230. Sponsored by Environmental Protection Agency, Washington, DC. Office of Pesticides and Toxic Substances.

This year's National Report is the third annual analysis of the releases of some 320 chemicals and compounds to air, water, and land from selected manufacturing facilities. The data collected under the authority of Section 313 of the Emergency Planning and Community Right-to-Know Act (EPCRA) have been used by industry, public interest groups, state and local governments, the U.S. Congress and the Environmental Protection Agency (EPA) to target major opportunities for reducing risks to public health and the environment. The Toxic Release Inventory (TRI) is a unique resource. It was envisioned from the outset to make data publicly available so that knowledge could be a catalyst for pollution prevention activities at the community, state, and federal levels. Pollution prevention avoids the creation of waste and is a different focus from pollution control, which concentrates on managing and disposing of waste. More and more states are implementing pollution prevention or toxic use reduction laws using TRI as the framework for their environmental accounting. Later chapters of this Report describe

in more detail a variety of the activities that TRI has stimulated to prevent pollution.

Keywords: *Public health, *Toxic substances, *Environmental pollutants, Communities, Tables(Data), Carcinogens, United States, Air pollutants, Water pollutants, Sewage, Chemical compounds, Industrial hygiene, Manufacturing, *Toxics Release Inventory, Emergency Planning and Community Right to Know Act of 1986.

PB92-224286/REB PC **A17**/MF **A04**
Enforcement in the 1990's Project: Recommendations of the Analytical Workgroups.
Environmental Protection Agency, Washington, DC. Office of Enforcement.
Oct 91, 398p EPA-22E-2000
See also PB86-143880.

Enforcement has re-emerged as a leading tool of environmental policy in recent years. In the Fall of 1989, the Agency's Enforcement Management Council undertook to develop specific ideas for improving the enforcement process, with particular emphasis upon strengthening the intergovernmental relationship and reviewing the EPA enforcement management systems to better assess the environmental impact of the enforcement program. In order to capture a wide range of experiences and perspectives, the Council surveyed approximately 50 environmental officials inside and outside of the Agency. In addition to the two subjects identified initially, the interviewees solicited their opinions about other enforcement issues that warranted analysis. Ultimately, the Council identified the six discrete enforcement topics which are addressed in the workgroup reports of the Enforcement in the 1990's Project.

Keywords: *Law enforcement, *Meetings, *Environmental protection, *Pollution regulations, *Pollution laws, Pollution abatement, State programs, US EPA, Compliance, Environmental policy, Auditing, Pollution standards, Recommendations, Implementation, Environmental management, Cooperative agreements.

PB92-224294/REB PC **A10**/MF **A03**
Superfund Innovative Technology Evaluation Program: Technology Profiles, Fourth Edition.
Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.
Nov 91, 216p EPA/540/5-91/008
See also PB90-249756.

The Superfund Innovative Technology Evaluation (SITE) Program, now in its sixth year, is an integral part of EPA's research into alternative cleanup methods for hazardous waste sites around the nation. Under the SITE Program, EPA enters into cooperative agreements with innovative technology developers. The document profiles 129 demonstration, emerging, and monitoring and measurement technologies being evaluated under the SITE Program. Each technology profile contains a description of the technology, a discussion of its applicability to various wastes, an update on its development or demonstration status, any available demonstration results, and demonstration and technology contacts. This document is intended for environmental decision makers and other interested individuals involved in hazardous waste site cleanup.

Keywords: *Waste management, *Technology innovation, *Remedial action, Superfund, Hazardous materials, Performance evaluation, Implementation, Decision making, Cost analysis, Waste treatment, Industries, Environmental monitoring, *Superfund Innovative Technology Evaluation Program, *Cleanup operations, Cooperative agreements.

PB92-224310/REB PC **A03**/MF **A01**
Office of Wetlands, Oceans and Watersheds Publications.
Environmental Protection Agency, Washington, DC. Office of Wetlands, Oceans and Watersheds.
Jun 92, 27p EPA/840/B-92/001

EPA's Office of Wetlands, Oceans and Watersheds (OWOW) was created in April 1991. OWOW combines EPA's responsibilities for addressing nonpoint source pollution, restoring and protecting wetlands, lakes, rivers, coastal and marine environments, and coordinating surface water monitoring and water quality assessment activities. The publications in this list are divided into seven topic areas. Each topic, except Bulletins, has two sections: General and Technical. General publications can be easily understood by the lay reader. Technical publications are scientific or regulatory in nature and require an understanding of the program area.

Keywords: *Water quality management, *Water pollution control, *Water pollution abatement, *Bibliographies, Documentations, Listings, US EPA, Nonpoint sources, Surface waters, Marine environments, Information transfer, Coastal regions, Water reclamation, Environmental protection, Watersheds, Wetlands, Oceans, *Office of Wetlands Oceans and Watersheds.

PB92-224328/REB PC **A03**/MF **A01**
Pesticide Reregistration Progress Report.
Environmental Protection Agency, Arlington, VA. Special Review and Reregistration Div.
Jan 92, 13p EPA/700/R-92/001
See also PB92-154806.

This is the fourth report produced by the Special Review and Reregistration Division (SRRD), Office of Pesticide Programs (OPP), U.S. Environmental Protection Agency (EPA), on the progress towards pesticide reregistration as mandated under the 1988 amendments to the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA). The report will show the status of reregistration through the first quarter of the 1992 fiscal year. Further information on the reregistration process and descriptions of technical terms have been provided in the Technical Appendix at the end of the document.

Keywords: *Pesticides, *Toxic substances, Reviews, Regulations, Chemical compounds, Decision making, Toxicology, Notification procedures, Agricultural products, Compliance, Law enforcement, US EPA, *Reregistration, Federal Insecticide Fungicide and Rodenticide Act.

PB92-224336/REB PC **A03**/MF **A01**
In-situ Bioremediation of Contaminated Ground Water.
Environmental Protection Agency, Washington, DC. Office of Solid Waste and Emergency Response.
J. L. Sims, J. M. Suflita, and H. H. Russell. Feb 92, 13p EPA/540/S-92/003
See also PB89-219976.

In-situ bioremediation, where applicable, appears to be a potential cost-effective and environmentally acceptable remediation technology. Suflita (1989) identified characteristics of the ideal candidate site for successful implementation of in-situ bioremediation. These characteristics included: (1) a homogeneous and permeable aquifer; (2) a contaminant originating from a single source; (3) a low ground-water gradient; (4) no free product; (5) no soil contamination; and (6) an easily degraded, extracted, or immobilized contaminant. Obviously, few sites meet these characteristics. However, development of information concerning site specific geological and microbiological characteristics of the aquifer, combined with knowledge concerning potential chemical, physical, and biochemical fate of the wastes present, can be used to develop a bioremediation strategy for a less-than-ideal site.

Keywords: *Water pollution control, *Biological treatment, *Ground water, *Remedial action, Aquifers, In-situ processing, Waste disposal, Underground storage, Storage tanks, Biodeterioration, Organic compounds, Hydrocarbons, Hazardous materials spills, Chemical spills.

PB92-224344/REB PC **A03**
Pesticide Safety for Farmworkers (Uso Seguro de Pesticidas para los Trabajadores del Campo).
Environmental Protection Agency, Washington, DC. Office of Pesticide Programs.
B. Poli, and S. S. Fluker. Apr 85, 28p EPA/735/R-92/001
Text in English and Spanish. Prepared in cooperation with Florida Univ., Gainesville, and Department of Agriculture Extension Service, Washington, DC.

The manual was developed as a supplemental guide to the Farmworkers Pesticide Safety Training slide-tape program. The manual provides basic pesticide safety information for farmworkers including: pesticide label information, protective clothing, recognizing signs and symptoms of pesticide poisoning and first aid information.

Keywords: *Occupational safety and health, *Pesticides, *Agricultural workers, Manuals, Poisoning, Environmental exposure pathway, Signs and symptoms, Protective clothing, Pesticide residues, Training devices.

PB92-224351/REB PC **A02**/MF **A01**
Technology Demonstration Summary, DuPont/Oberlin Microfiltration System, Palmerton, Pennsylvania. April-May 1992.
Environmental Protection Agency, Cincinnati, OH. Center for Environmental Research Information.
Mar 92, 9p EPA/540/S5-90/007
See also PB92-153410.

In April and May 1990, the U.S. Environmental Protection Agency (EPA), under the Superfund Innovative Technology Evaluation (SITE) program, demonstrated DuPont/Oberlin's microfiltration system at the Palmerton Zinc Superfund (PZS) site in Palmerton, Pennsylvania. The microfiltration system demonstrated at the PZS site was evaluated primarily in terms of its ability to remove metals (mainly zinc) and particulates from the contaminated groundwater on site, while producing a dry filter cake and filtrate that meet applicable disposal requirements.

Keywords: *Superfund, *Water pollution control, *Remedial action, *Zinc, *Hazardous materials, Liquid wastes, Metals, Ground water, Technology innovation, Pennsylvania, Particulates, Design criteria, Performance evaluation, Waste disposal, *Microfiltration, *DuPont/Oberlin Microfiltration Treatment, Palmerton(Pennsylvania).

PB92-224377/REB PC **A02**/MF **A01**
Guide for Conducting Treatability Studies under CERCLA: Aerobic Biodegradation Remedy Screening. Quick Reference Fact Sheet.
Environmental Protection Agency, Washington, DC. Office of Solid Waste and Emergency Response.
Jul 91, 9p EPA/540/2-91/013B
See also PB92-109065.

The fact sheet provides a summary of information to facilitate the planning and execution of aerobic biodegradation remedy screening treatability studies in support of the remedial investigation/feasibility study (RI/FS) and the remedial design/remedial action (RD/RA) processes. This fact sheet follows the organization of the 'Guide for Conducting Treatability Studies Under CERCLA: Aerobic Biodegradation Remedy Screening, Interim Guidance,' EPA/540/2-91/013A, July 1991. Detailed information on designing and implementing remedy screening and remedy selection treatability studies for aerobic biodegradation is provided in the guidance document. This guidance discusses only screening of biological treatment. Remedy selection guidance for aerobic biodegradation is currently in the planning stages.

Keywords: *Superfund, *Waste management, *Hazardous materials, *Aerobic processes, *Biodeterioration, Remedial design, Feasibility studies, Biological treatment, Microorganisms, Guidelines, *Office of Solid Waste and Emergency Response, Cleanup operations, Comprehensive Environmental Response Compensation and Liability Act, Remedial designs.

PB92-224385/REB PC **A03**/MF **A01**
Guidance on Site Assessment Cooperative Agreements.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
Aug 91, 40p OERR-9246.0-05, EPA/540/P-91/013

The guidance on site assessment cooperative agreement presents generic SMOA language pertaining to Site Assessment activities, a generic quarterly report format, and generic site assessment cooperative agreement application package. In addition, the appendices provide additional sample schedules, forms, and letters for developing a site assessment cooperative agreement.

Keywords: *Site surveys, *State programs, *US EPA, *Waste management, *Superfund, Guidelines, Administrative procedures, Assessments, Rankings, Inspection, Forms(Paper), Format, *Cooperative agreements, Comprehensive Environmental Response Compensation and Liability Act, National Priorities List, Superfund Comprehensive Accomplishment Plan.

PB92-224393/REB PC **A02**/MF **A01**
Technology Demonstration Summary: Bio Trol Soil Washing System for Treatment of a Wood Preserving Site.
Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.
Mar 92, 7p EPA/540/S5-91/003
See also PB92-115245.

The Superfund Innovative Technology Evaluation (SITE) Program was instituted in 1986 to promote the development and application of innovative technologies to the remediation of Superfund and other sites contaminated with hazardous wastes. The Project Summary highlights the results of an evaluation of a specific arrangement of the three technologies of the BSWS. The system consists of multiple stages of physical abrasion, attrition, flotation, and washing of excavated soil in the BSW. The site selected for the evaluation is a wood preserving facility in New Brighton, MN, where creosote and pentachlorophenol were used for several decades.

Keywords: *Superfund, *Hazardous materials, *Remedial action, *Soil treatment, *Waste management, Wood preservatives, Phenol/pentachloro, Creosote, Aromatic polycyclic hydrocarbons, Technology innovation, Biological treatment, Design criteria, Performance evaluation, Cost analysis, Minnesota, *BioTrol soil washing system, New Brighton(Minnesota), BioTrol aqueous treatment system, BioTrol soil washers, BioTrol biological slurry treatment.

PB92-224401/REB PC **A02**/MF **A01**
Guide for Conducting Treatability Studies under CERCLA: Soil Vapor Extraction. Quick Reference Fact Sheet. Fact sheet.
Environmental Protection Agency, Washington, DC. Office of Solid Waste and Emergency Response.
Sep 91, 10p EPA/540/2-91/019B

The fact sheet provides a summary of information to facilitate the planning and execution of soil vapor extraction (SVE) remedy screening and remedy selection treatability studies in support of the remedial investigation/feasibility study (RI/FS) and the remedial design/remedial action (RD/RA) processes. Detailed information on designing and implementing remedy screening and remedy selection treatability studies for SVE is provided in the 'Guide for Conducting Treatability Studies Under CERCLA: Soil Vapor Extraction,' Interim Guidance, EPA/540/2-91/019A, September 1991.

Keywords: *Superfund, *Waste management, *Hazardous materials, Soil treatment, Remedial action, Feasibility studies, Technology utilization, In-situ processing, Volatile organic compounds, Cost analysis, Performance evaluation, Soil gases, *Office of Solid Waste and Emergency Response, *Soil vapor extraction, Comprehensive Environmental Response Compensation and Liability Act, Remedial design.

PB92-224419/REB PC **A12**/MF **A03**
Hazardous Substance Research Centers Program. Program Summary FY 1991. Office of Exploratory Research.
Environmental Protection Agency, Washington, DC. Office of Exploratory Research.
May 91, 273p EPA-21R-1005

The report describes the second year activities of the five research centers which comprise the Hazardous Substance Research Centers Program. Following an overview of all five centers, a separate section describes the activities of each. Each center's major researchers are listed, as are Science and Technology Transfer and Training Advisory Committee members. Each center's budget is summarized. In addition, information regarding students supported by research projects of the center is presented. Each director reports on the major accomplishments of the center along with highlights of the year. Detailed descriptions of individual projects, arranged by major research topic follow. For each project, potential clients/users of the research information are identified. Project reports, presentations, student thesis and dissertations supported by HSRC research are summarized in an outputs section for each center.

Keywords: *Hazardous substances, *Research, Technology transfer, Budgeting, Personnel, *Hazardous Substance Research Centers Program.

PB92-224435/REB PC **A12**/MF **A03**
Environmental Protection Agency, Research Triangle Park, NC. Office of Air Quality Planning and Standards.
Quality Review Guidelines for 1990 Base Year Emission Inventories. Final rept.
Radian Corp., Research Triangle Park, NC.
W. J. Barbour, G. W. Brooks, J. M. Mangino, M. A. Wolcott, and T. Newell. Aug 92, 273p EPA/454/R-92/007
Contract EPA-68D10117
Sponsored by Environmental Protection Agency, Research Triangle Park, NC. Office of Air Quality Planning and Standards.

The primary purpose of this document is to provide a standard set of guidelines to use in conducting formal reviews of 1990 base year SIP inventories received from ozone and CO nonattainment areas. Having a standard set of inventory review guidelines will help ensure national consistency in the level of scrutiny that submitted inventories will undergo. These guidelines will also ensure the proper documentation of review activities to allow for serial review with minimal overlap. A third use of this document and the review guidelines is to provide State agencies preparing the inventories with information to use as a self-check prior to submitting the inventories to EPA. This document provides review guidelines that address whether States followed the overall requirements for base year inventory preparation published in previous guidance material and whether the inventories meet developed specifications for completeness, consistency (both internal and with national trends), reasonableness of emission values, and overall documentation requirements.

Keywords: *State implementation plans, *Ozone, *Carbon monoxide, *Air pollution standards, Reviews, Guidelines, Requirements, Clean Air Act, National Ambient Air Quality Standards, *Emission inventories.

PB92-224690/REB PC **A02**/MF **A01**
Making It Work: Title 3 Compliance. The Public's Right-to-Know.
Environmental Protection Agency, Washington, DC. Office of Solid Waste and Emergency Response.
Sep 91, 10p OSWER-91-009.1

The Making It Work bulletins are intended to provide technical assistance to those responsible for implementing the Emergency Planning and Community Right-to-Know Act of 1986, commonly known as EPCRA or Title III. Title III Compliance, the first in the series, is intended for members of Local Emergency Planning Committees (LEPCs), State Emergency Response Commissions (SERCs), fire departments, and other agencies responsible for emergency planning and Title III compliance. Future bulletins will cover such subjects as hazards analysis, SERC operations, and funding. Inside the bulletin is practical information on Title III compliance, with examples drawn from successful or unique state and local programs.

Keywords: *Compliance, *Environmental surveys, *Hazardous materials, *Chemical spills, Chemical compounds, Pollution regulations, Public information, Waste management, Accident prevention, Pollution abatement, Pollution control, United States, Law enforcement, Emergency planning, On-site investigations, Technical assistance, *Emergency Planning and Community Right-to-Know Act, *Title III, Superfund Amendments and Reauthorization Act.

PB92-224708/REB PC **A03**/MF **A01**
Bioremediation in the Field: An Information Update on Applying Bioremediation to Site Cleanup. (Number 4).
Environmental Protection Agency, Washington, DC. Office of Solid Waste and Emergency Response.
Dec 91, 29p EPA/540/2-91/027

Contents: Update on the Bioremediation Field Initiative; Bioremediation Being Evaluated at the Brookhaven Wood Preserving Facility; Bioremediation Action Committee: 1991 Accomplishments; Interim Guidelines Issued for Preparing Bioremediation Spill Response Plans; FTTA Offers Opportunities for Cooperative Biosystems R&D with EPA; 1991 Bioremediation Field Projects; RREL Provides Technical Support for Bioremediation of Superfund Sites; Bioremediation Field Initiative Contacts; EPA Bioremediation Publications; EPA Athens Lab and GLNPO Demonstrate Anaerobic Degradation of PCBs; Cleanup Information Bulletin Board; Field Applications of Bioremediation; Bioremediation Live Satellite Seminar.

Keywords: *Biological treatment, *Remedial action, *Hazardous materials, *Waste management, Superfund, Industry, Technology transfer, Feasibility studies, Anaerobic processes, Polychlorobiphenyl compounds, Biodeterioration, Tables(Data), Fuel spills, Site surveys, *Bioremediation, *Cleanup, Field projects.

PB92-224716/REB PC **A02**/MF **A01**
Vendor Information System for Innovative Treatment Technologies (VISITT). Number 1.
Environmental Protection Agency, Washington, DC. Office of Solid Waste and Emergency Response.
Jun 92, 8p EPA/542/N-92/002
See also PB91-921289.

The bulletin highlights facts about the Vendor Information System for Innovative Treatment Technologies (VISITT). This database contains information on vendors of innovative technologies to treat ground water in situ, soils, sludges and sediments. It includes technologies at all stages of development--bench, pilot, or full. VISITT provides environmental professionals with rapid access to up-to-date information on 155 innovative technologies and the 97 companies that offer them. Once the database identifies the technologies and vendors meeting the user's requirements, the user can then review such information as available equipment, performance data, and experience.

Keywords: *Ground water, *Soils, *Pollution control, *Remedial action, *Information systems, Vendors, Data bases, Waste treatment, Sludges, Sediments, Hazardous materials, Technology innovation, Superfund.

PB92-224724/REB PC **A03**/MF **A01**
Ground-Water Issue: The Effects of Well Casing Material on Ground Water-Quality.
Environmental Protection Agency, Washington, DC. Office of Solid Waste and Emergency Response.
Oct 91, 17p EPA/540/4-91/005
Prepared in cooperation with Army Engineer Waterways Experiment Station, Vicksburg, MS. Geotechnical Lab.

The Regional Superfund Ground Water Forum is a group of ground-water scientists representing U.S. Environmental Protection Agency's (U.S. EPA's) Regional Offices, organized to exchange up-to-date information related to ground-water remediation at hazardous waste sites. Well casing materials used at hazardous waste sites is an issue identified by the forum as a concern of CERCLA decision makers. All aspects of a ground-water sampling program have the potential to affect the composition of a ground-water sample. The high degree of accuracy (parts per billion (ppb) range) required of some chemical analysis dictates that all potential sources of error of a ground-water sampling program be identified and sources of error in such aspects be minimized. Selection of the proper casing material for monitoring wells has been a subject of much controversy since the publication of the U.S.

Keywords: *Coverings, *Water wells, *Water pollution, Desorption, Leaching, Adsorption, Monitoring, Microorganisms control(Water), Concentration(Composition), pH, Ionization, Salinity, Dissolved gases, Oxygen, Oxidation, Algae, Trace elements, *Superfund.

PB92-224732/REB PC **A03**/MF **A01**
Watershed Protection Approach: An Overview.
Environmental Protection Agency, Washington, DC. Office of the Assistant Administrator for Water.
Dec 91, 12p EPA/503/9-92/002

State and Federal water protection programs have been very successful in reversing or preventing degradation of water quality throughout the country during the last 20 years. The document describes efforts within the U.S. Environmental Protection Agency (EPA) and other State, Federal, and local agencies to refocus existing water pollution control programs to operate in a more comprehensive and coordinated manner. The concepts described in this document are not new and have been applied to a limited extent in the past. There is, however, a growing consensus that the pollution and habitat degradation problems now facing society can best be solved by following a basin-wide approach that takes into account the dynamic relationships that sustain natural resources and their

beneficial uses. EPA uses the term Watershed Protection Approach to encompass these ideas.

Keywords: *Watersheds, *Water pollution abatement, *Environmental protection, *Water quality management, Water pollution control, Comprehensive planning, Pollution regulations, US EPA, State programs, Habitats, Nonpoint sources.

PB92-224740/REB PC **A03**/MF **A01**
Title 3 on Indian Lands: A Guide to the Emergency Planning and Community Right-to-Know Act. (Technical Assistance Bulletin). Volume 10, Number 2. Bulletin.
Environmental Protection Agency, Washington, DC. Chemical Emergency Preparedness and Prevention Office.
Apr 92, 12p OSWER-92-009

In 1986 Congress passed a law to help local communities, including Indian reservations, protect public health and safety and the environment from chemical hazards. This law, the Emergency Planning and Community Right-to-Know Act, known as Title III of the Superfund Amendments and Reauthorization Act (SARA), requires that detailed information about the nature of hazardous substances in or near reservations be made available to the public and that comprehensive emergency plans be prepared to deal with chemical accidents. This bulletin is intended to make Indian leaders familiar with Title III requirements and provide guidance for complying with Title III. The bulletin is divided into three parts: (1) How Title III Works; (2) Resources Available to Tribal Emergency Response Commissions (TERCs) and Local Emergency Planning Committees (LEPCs) Implementing Title III; and (3) Everyone Is Involved in Title III.

Keywords: *Environmental surveys, *Hazardous materials, *Chemical spills, Chemical compounds, Guidelines, American Indians, Comprehensive planning, Pollution regulations, Emergency planning, Water pollution, Air pollution, Waste management, Land pollution, Toxic substances, Law enforcement, Accidents, Accident prevention, Public information, *Emergency Planning and Community Right-to-Know Act, *Indian lands, *Title III, Superfund Amendments and Reauthorization Act.

PB92-224765/REB PC **A05**/MF **A01**
Protecting the Nation's Ground Water: EPA's Strategy for the 1990s: The Final Report of the EPA Ground-Water Task Force.
Environmental Protection Agency, Washington, DC. Office of the Administrator.
Jul 91, 82p
See also PB85-154219 and PB88-229067.

In 1984, the Environmental Protection Agency (EPA) issued a Ground-Water Protection Strategy which articulated what was known about protecting groundwater resources and set out an appropriate role for the Agency. The report states Agency policy, accompanied by implementation principles that reflect an aggressive approach to protecting the Nation's groundwater resources; they will guide the course of EPA and State efforts over the coming years. The policy puts clear priority on preventing ground-water contamination, recognizes that ground water is a uniquely local resource for which States and local governments must assume primary responsibility, and strives to improve EPA's coordination of ground-water activities under all our statutes and programs. This policy will be reflected in EPA programs and resource allocations as EPA continues its partnership with State and local governments, private industry and the public in addressing this issue.

Keywords: *Water pollution abatement, *Ground water, *Environmental protection, *Water quality management, Pollution laws, Pollution regulations, Environmental policy, State government, Local government, National government, US EPA, Potable water, Implementation, Pollution standards, Remedial action, Long term effects, Cooperative agreements.

PB92-224799/REB PC **A05**/MF **A01**
Superfund Innovative Technology Evaluation Program: Progress and Accomplishments, Fiscal Year 1990. A Fourth Report to Congress.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
Sep 91, 86p EPA/540/5-91/004
See also PB90-216516.

The U.S. Environmental Protection Agency (EPA) established the Superfund Innovative Technology Evaluation (SITE) Program in 1986, following passage of the Superfund Amendments and Reauthorization Act (SARA). The Program's progress and accomplishments for Fiscal Year 1990 are presented in four sections in this Fourth Report to Congress. Section 1 presents an overview of the SITE Program including the statutory authority and history of the program and the four program components and goals. Section 2 discusses the use of innovative alternative technologies for hazardous waste site remediation and the impact the SITE Program is having on their increased use. Section 3 presents the SITE Program's progress and accomplishments over the past year and specific goals for the coming year. Section 4 proposes various program changes and recommends statutory changes that can enhance SITE's ability to meet its overall objectives. Several examples of program products are appended to this report to highlight the technology transfer aspects of the SITE Program.

Keywords: *Hazardous materials, *Remedial action, *Technology innovation, *Waste treatment, Substitutes, Technology transfer, Pollution regulations, Land pollution control, Forecasting, Cost analysis, Site surveys, Environmental monitoring, Recommendations, *Superfund Innovative Technology Evaluation Program, *Innovative treatment technologies, Superfund Amendments and Reauthorization Act of 1986.

PB92-224807/REB PC **A03**/MF **A01**
Bioremediation in the Field. An Information Update on Applying Bioremediation to Site Clean-Up. Number 3.
Environmental Protection Agency, Washington, DC. Office of Solid Waste and Emergency Response.
Aug 91, 25p EPA/540/2-91/018

The Bioremediation Field Initiative was established to provide EPA and State Project Managers, consulting engineers and industry with timely information regarding new developments in the application of bioremediation at hazardous waste sites. The initiative will fully evaluate the performance of selected full-scale field applications, provide technical assistance to RPMs and OSCs, and develop a treatability database to be available through the Alternative Treatment Technologies Information Center (ATTIC). Six sites have currently been selected for field evaluation of bioremediation: Libby Superfund Site, Libby, Montana; Park City Pipeline Spill, Park City, Kansas; Allied Signal Superfund Site, St. Joseph, Michigan; Eielson Air Force Base, Alaska; Hill Air Force Base, Utah; and Brookhaven Superfund Site, Brookhaven, MS.

Keywords: *Biological treatment, *Remedial action, *Hazardous materials, *Waste management, Superfund, Military facilities, Soil contamination, Fuel spills, Underground storage, Storage tanks, Biodeterioration, Permits, Ground disposal, Site surveys, Tables(Data), *Cleanup operations, Resource Conservation and Recovery Act, Toxic Substances Control Act, On-Scene Coordinators, Remedial Project Managers, Libby(Montana), Park City(Kansas), Saint Joseph(Michigan), Fairbanks(Alaska), Salt Lake City(Utah), Brookhaven(Mississippi).

PB92-224815/REB PC **A06**/MF **A02**
RCRA Corrective Actions. Speaker Slide Copies.
Environmental Protection Agency, Cincinnati, OH. Center for Environmental Research Information.
Nov 91, 123p CERI-91-99
See also PB92-102102. Prepared in cooperation with ERG Associates, Arlington, MA.

The projector slides for the meeting included: Introduction to RCRA Corrective Action Stabilization Strategy; Conceptual Approach for Characterizing Problems; Field Screening Methods; Covers, Slurry Walls, Grouting and Dynamic Compaction for RCRA Corrective Action Stabilization; In Situ Delivery and Recovery of Liquids to Facilitate RCRA Corrective Actions; Vapor Extraction, Gas Control; and Biotreatment. The report contains only the speaker slide copies.

Keywords: *Hazardous materials, *Waste management, *Meetings, Biological treatment, Stabilization, Environmental transport, Field tests, Covering, Liquid wastes, Mass balance, Hydraulic fracturing, Grouting, Geophysics, *Resource Conservation and Recovery Act, *Projector slides, Soil vapor extraction.

PB92-224823/REB PC **A03**/MF **A01**
Bibliography of Materials on the Emergency Planning and Community Right-to-Know Act (Title III of SARA).
Environmental Protection Agency, Washington, DC. Office of Solid Waste and Emergency Response.
Aug 91, 40p EPA/580/CE-91/002

This is a selected bibliography of materials that are related to the Emergency Planning and Community Right-to-Know Act of 1986. The bibliography was prepared by EPA's Chemical Emergency Preparedness and Prevention Office and the Office of Toxic Substances.

Keywords: *Bibliographies, *Hazardous materials, *Environmental surveys, Emergency planning, Public information, Toxic substances, Chemical compounds, Land pollution, Accidents, Industrial wastes, Waste management, Listings, Air pollution, Water pollution, *Emergency Planning and Community Right-To-Know Act, Superfund Amendments and Reauthorization Act, Toxic Release Inventory.

PB92-224831/REB PC **A07**/MF **A02**
Economic Incentives: Options for Environmental Protection.
Environmental Protection Agency, Washington, DC. Office of Policy, Planning and Evaluation.
Mar 91, 138p

The authors recognize that careful examination of the costs and benefits of further policy action, and of incentives as a way to achieve policy goals, is needed in each case to identify cost-effective program designs and efficient program targets. Because further evaluation is needed, this report does not endorse any of the incentives it describes. The authors hope that this report will encourage more focused study and discussion of these and other incentives. This report reflects what has been learned from EPA's past analyses of incentive approaches, and is intended to encourage new efforts toward creative use of incentives. They encourage debate on these ideas, as well as suggestions for other applications of incentives. Incentives addressed include municipal solid waste incentives, global climate change incentives, water resource incentives, and multimedia incentives.

Keywords: *Environmental protection, *Incentives, *Environmental policy, *Economic assistance, *Cost effectiveness, Payment, Municipal wastes, Waste management, Air pollution economics, Water pollution economics, Pollution regulations, Energy conservation, Water resources, Global aspects, Climatic changes, Fees, Prices, Funds, Socioeconomic factors, Taxes, Source reduction.

PB92-224849/REB PC **A07**/MF **A02**
User's Guide for the Urban Airshed Model. Volume 7. User's Manual for the Performance Evaluation System.
Environmental Protection Agency, Research Triangle Park, NC. Office of Air Quality Planning and Standards.
Jun 92, 139p EPA/450/4-90/007G
See also PB92-145382.

The Urban Airshed Model (UAM) Performance Evaluation System (UAMPES) is a data display and analysis tool for evaluating UAM model performance. After executing the UAM system the results may be graphically compared to the air quality monitored data. The UAMPES creates time series plots, tile maps, bar charts, boxplots, scatter plots and quantile plots. Through a series of menus the user has a wide range of flexibility in scaling and labeling the graphs. This system calculates all of the performance measures cited in Appendix C of the Guideline for Regulatory Application of the Urban Airshed Model.

Keywords: *User manuals(Computer programs), *Atmospheric chemistry, *Computerized simulation, *Air pollution control, Performance evaluation, Time series analysis, Air quality, Computer graphics, Statistical analysis, Input/output routines, File maintenance(Computers), Graphs(Charts), State implementation plans, *Urban Airshed Model.

PB92-225051/REB PC **A06**/MF **A02**
Pesticides and Ground-Water Strategy.
Environmental Protection Agency, Washington, DC. Office of Pesticides and Toxic Substances.

Oct 91, 123p EPA-21T-1022
See also PB86-200177.

The purpose of EPA's Pesticides and Ground-Water Strategy is to describe the policy framework in which the Environmental Protection Agency (EPA) intends to address risks of ground-water contamination by pesticide chemicals. Five different statutes administered by EPA include some provisions for the protection of ground water. The Strategy focuses on the use of FIFRA authorities and also addresses the coordination of these activities with other relevant programs at EPA and other federal agencies to achieve the Agency's goals for the protection of ground water. In recent years, the detection of pesticides in ground water has been reported with increasing frequency around the country. Although no one at this time can definitively describe the extent or severity of pesticidal contamination of ground water, EPA, in cooperation with other federal agencies, is continuing its efforts to define the scope of the environmental concern.

Keywords: *Groundwater, *Pesticides, *Water pollution, Government policies, US EPA, Statutes, Risk, Public health, Surveys, National government, State government, Businesses, Residential buildings, Education, Regulations, Research projects, Strategic planning, Clean Water Act, Federal Insecticide and Rodenticide Act.

PB92-225069/REB PC **A03**/MF **A01**
Pesticides in Drinking-Water Wells.
Environmental Protection Agency, Washington, DC. Office of Pesticides and Toxic Substances.
Sep 90, 17p EPA-20T-1004

Contents: Pesticides in drinking-water wells; What are pesticides. How are they regulated; How do pesticides get into drinking-water wells; Do pesticides in drinking water pose a health concern; EPA's health advisory guidance; 'Is my well water safe to drink; Testing and retesting; Taking action; Where can I get more information.

Keywords: *Pesticides, *Water pollution, Water wells, Regulations, Public health, Tests, Safety, Path of pollutants, *Drinking water.

PB92-226182/REB PC **A03**/MF **A01**
Environmental Crisis in the Gulf. The U.S. Response.
Environmental Protection Agency, Washington, DC. Office of Administration and Resources Management.
1992, 22p
Prepared in cooperation with Department of State, Washington, DC., National Science Foundation, Washington, DC., Department of the Interior, Washington, DC., and Department of Energy, Washington, DC.

On November 5, 1991, the last oil fire in Kuwait was extinguished, bringing to a close a dramatic period of achievement. Extinguishing and capping these wellheads has been Kuwait's highest economic, environmental, and health priority because of feared regional and global consequences. The booklet answers the questions most often asked by Americans about potential effects of the disaster on the environment and on the health of residents of the Gulf region, including American military and civilian personnel stationed there. U.S. government agencies to try to assess, limit, and remedy the damage caused by Iraq's environmental terrorism. While outside of the scope of the report, the U.S. Army Corps of Engineers must be cited for its work in helping to rebuild Kuwait's infrastructure including restoration of roads, electrical power, sewer and water systems, the airport, and public buildings.

Keywords: *Air pollution, *Oil pollution, *Kuwait, *Persian Gulf, Damage, Fires, Economic impact, Public health, Oil wells, Disasters, Fire fighting, Fire control, Environmental transport, Photographs, Smoke, Climate effects, Saudi government, United States, Army Corps of Engineers.

PB92-226190/REB PC **A03**/MF **A01**
Preserving Our Future Today: Your Guide to the United States Environmental Protection Agency.
Environmental Protection Agency, Washington, DC. Associate Administrator for Communications and Public Affairs.
Oct 91, 36p EPA/21K-1012

Contents: New Directions for the 1990s: Voluntary Action; People; Water; New Directions for the 1990s: Protecting Natural Resources; New Directions for the 1990s: Economic Incentives; Air; New Directions for the 1990s: Reducing Risks; Contaminants and Radiation; New Directions for the 1990s: Pollution Prevention; Waste; The Global Environment; The Role of Science; Enforcing the Laws; and Looking Ahead.

Keywords: *Instructions, *US EPA, *Government agencies, Personnel, Water supply, Risk reduction, Radiation, Waste disposal, Prevention, Law enforcement, Global environment.

PB92-226216/REB PC **A03**/MF **A01**
Emergency Planning and Community Right-to-Know Act: Section 313 Release Reporting Requirements.
Environmental Protection Agency, Washington, DC. Office of Pesticides and Toxic Substances.
Jan 92, 17p EPA/700/K-92/001
See also PB89-192900.

The brochure contains information about the Emergency Planning and Community Right-to-Know Act. This law establishes a structure at the state and local levels to assist communities in planning for chemical emergencies and requires facilities to provide information on various chemicals present in the community. The Act requires that this information be made available to the public. One of the requirements concerns the reporting of annual releases of toxic chemicals to the air, water, and land. The brochure deals with reporting requirements of only one section of the Emergency Planning and Community Right-to-Know Act. Section 313, which pertains to release reporting.

Keywords: *Public information, *Public health, *Pollution laws, *Toxic substances, *Information transfer, *Chemical compounds, Reporting, Requirements, Air pollution, Water pollution, Land pollution, US EPA, Administration procedures, Emergency planning, *Emergency Planning and Community Right-to-Know Act of 1986.

PB92-226224/REB PC **A01**/MF **A01**
Protecting Endangered Species: Interim Measures. Walker County, Georgia.
Environmental Protection Agency, Washington, DC. Office of Pesticides and Toxic Substances.
Sep 90, 5p EPA/20T-3061

The information in the pamphlet is similar to what the U.S. Environmental Protection Agency (EPA) expects to distribute once the Endangered Species Protection Program is in effect. The limitations on pesticide use are not law at this time, but are being provided now for your use in voluntarily protecting endangered and threatened species from harm due to pesticide use. The authors encourage one to use the information. The Endangered Species Act is intended to protect and promote recovery of animals and plants that are in danger of becoming extinct due to the activities of people.

Keywords: *Pesticides, *Protection, *Pollution abatement, Maps, Georgia, Tables(Data), Sites, Oak trees, Pine trees, Active ingredients, Scutellaria montana, Large flowered skullcap, Endangered species.

PB92-226232/REB PC **A19**/MF **A04**
Environmental Protection Agency, Research Triangle Park, NC. Office of Air Quality Planning and Standards.
User's Guide for the Urban Airshed Model. Volume 4. User's Manual for the Emissions Preprocessor System 2.0. Part A: Core FORTRAN System.
Systems Applications International, San Rafael, CA.
M. Causley, G. Wilson, M. Jimenez, L. Gardner, and A. Noda. 30 Jun 92, 449p EPA/450/4-90/007D(R)
Contracts EPA-68D00124, EPA-68D9066
See also PB91-131250. Sponsored by Environmental Protection Agency, Research Triangle Park, NC. Office of Air Quality Planning and Standards.

Contents: Introduction; (Conceptual Overview of the Urban Airshed Model, Emission Inventory Requirements and General Processing Methodologies for Photochemical Modeling); Overview of the EPS 2.0 System; (Core Modules, EPS 2.0 Utilities, Data Requirements, Specification of Level of Detail in Emissions Data, Error Handling Procedures, The Emissions Model Binary Record (EMBR) Format, The Emissions Model ASCII Record (EMAR) Format, USERIN, The EPS 2.0 User Input File, The EPS 2.0 Interface and Emissions Display System); and Core Module Descriptions.

Keywords: *Air pollution, *Urban areas, Chemical compounds, Mathematical models, Users manuals, Concepts, Public utilities, Errors, Interfaces, Emissions, Photochemical reactions, Performance evaluation, Graphs(Charts), Cores, Modules, Describing, Formats, Quality control, Evaporation, Fortran, *Airsheds, Point source.

PB92-226422/REB PC **A99**/MF **A06**
Development Document for Effluent Limitations Guidelines and Standards and Pretreatment Standards for the Steam Electric: Point Source Category. Final rept.
Environmental Protection Agency, Washington, DC. Effluent Guidelines Div.
Nov 82, 650p EPA/440/1-82/029
See also PB-240 853.

In revising effluent limitations guidelines, standards of performance for new sources, and pretreatment standards for the steam electric power generating industry, separate consideration has been given to heat and to chemical pollutants. In the regulation, only nonthermal-related pollutants were considered. The review of effluent guidelines focused primarily on the 126 priority pollutants, although other pollutants were also considered. In general, very few of the organics in the list of 126 priority pollutants were detected in quantifiable amounts. Inorganic priority pollutants, however, are found in most waste streams. The review also disclosed that the chlorine (a non-conventional pollutant) limitations in the existing guidelines are not sufficiently stringent.

Keywords: *Liquid wastes, *Water pollution abatement, *Standards, *Steam electric power generation, *Chemical compounds, Performance standards, Revisions, Guidelines, Best technology, Pollution regulations, Point sources, Waste management, Reviews, Pollution control, Electric power plants, *New source performance standards, Pretreatment processes.

PB92-226430/REB PC **A05**/MF **A01**
Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.
Soil Vapor Extraction Column Experiments on Gasoline Contaminated Soil. Final rept.
Camp, Dresser and McKee, Inc., Cambridge, MA.
M. E. Miller, T. A. Pedersen, C. A. Kaslick, G. E. Hoag, and C. Y. Fan. Sep 92, 80p EPA/600/R-92/170
Contract EPA-68-03-3409
See also PB91-168476. Prepared in cooperation with Connecticut Univ., Storrs. Environmental Research Inst. Sponsored by Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.

Soil vapor extraction (SVE) is a technique that is used to remove volatile organic compounds from unsaturated soils. Air is pumped through and from the contaminated zone to remove vapor phase constituents. In the work, laboratory soil column experiments were conducted using a gasoline residually saturated sandy soil to evaluate the performance of SVE under controlled conditions. Both vapor extraction and aqueous leaching of the soil columns were conducted. The progress of the vapor extraction event was continuously monitored by an in-line total hydrocarbon analyzer. Performance of vapor extraction was evaluated by a series of soil chemical analyses including total petroleum hydrocarbons, headspace measurements, and extraction techniques with quantification by GC/FID and GC/MS.

Keywords: *Land pollution, *Volatile organic compounds, *Soil gases, *Air pollution control, *Hydrocarbons, Soils, Monitoring, Handbooks, Gasoline, Leaching, Performance evaluation, Chemical analysis, Soil vapor extraction.

PB92-226448/REB PC **A10**/MF **A03**
Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.
Technology Evaluation Report: Site Program Demonstration of a Trial Excavation at the McColl Superfund Site. Final rept.
IT Corp., Cincinnati, OH.
Sep 92, 212p EPA/540/R-92/015

Contract EPA-68-02-4284
See also PB92-105857. Sponsored by Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.

A trial excavation of approximately 137 cubic yards of waste was performed at the McColl Superfund Site in Fullerton, CA, to better determine the nature of the waste, any treatment needed to improve its handling characteristics, and the extent of air emissions that might occur during excavation. The type of information is necessary to plan full-scale remediation of the highly acidic petroleum refinery waste buried at the site. The trial excavation was conducted within a temporary enclosure with air exhausted from the enclosure through a sodium hydroxide-based wet scrubber and activated-carbon bed adsorber to reduce air emissions of sulfur dioxide and organic compounds. Foam was used in an attempt to suppress atmospheric releases from the raw waste during excavation, storage, and processing. The air exhaust was monitored for total hydrocarbons and sulfur dioxide before and after the air emission control system. In addition, total hydrocarbons and sulfur dioxide were monitored along the site perimeter to determine potential impact of air emissions on the nearby community.

Keywords: *Soils, *Incinerators, *Waste treatment, *Hazardous materials, Excavation, Sites, Refineries, Activated carbon treatment, Adsorption, Sulfur dioxide, Monitoring, Pilot plants, Scrubbers, Hydrocarbons, Air pollution, Petroleum, Wastes, *Superfund, *Fullerton(California), Oil recycling.

PB92-227255/REB PC **A01**/MF **A01**
Citizen Monitoring: Recommendations to Public Water System Users.
Environmental Protection Agency, Washington, DC. Office of the Assistant Administrator for Water.
Apr 90, 5p EPA/570/9-90/005
See also PB92-227263.

How can you as a user of a public water supply be assured of the safety of the water you drink. In what activities do water officials engage to provide an adequate water supply. What substances or human actions represent potential threats to your water. Are there activities that can be pursued in the home to further the public health quality of the water you drink. The fact sheet is intended to help answer these questions as well as provide additional information on drinking water quality.

Keywords: *Monitoring, *Water supply, *Water pollution abatement, Humans, Public utilities, Public health, National government, Standards, Safety, Consumption, Microorganisms, Drinking water.

PB92-227263/REB PC **A01**/MF **A01**
Citizen Monitoring: Recommendations to Household Well Users.
Environmental Protection Agency, Washington, DC. Office of the Assistant Administrator for Water.
Apr 90, 5p EPA/570/9-90/006
See also PB92-227255.

As a user of a household well, one is probably interested in learning more about the types of substances and activities that represent potential threats to one's water supply and health. Moreover, one is probably interested in knowing the steps one might take as a consumer to protect one'w well and become more informed of drinking water issues. The fact sheet is designed to provide the information as well as provide a list of pertinent reference material.

Keywords: *Monitoring, *Households, *Water wells, *Water pollution abatement, Humans, Water supply, Public health, Law(Jurisprudence), Standards, Regulations, Tests, Water treatment, Microorganisms, Drinking water.

PB92-227271/REB PC **A05**/MF **A01**
Guide for Conducting Treatability Studies under CERCLA: Soil Vapor Extraction. Interim Guidance.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
Sep 91, 83p EPA/540/2-91/019A
See also PB92-224401.

Section 121(b) of the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) mandates the U.S. Environmental Protection Agency (EPA) to select remedies that 'utilize permanent solutions and alternative treatment technologies or resource recovery technologies to the maximum extent practicable'. Treatability studies conducted during the RI/FS phase indicate whether a given technology can meet the expected cleanup goals for the site. The document refers to three levels or tiers of treatability studies: remedy screening, remedy selection, and remedy design.

Keywords: *Hazardous materials, *Recovery, *Waste treatment, *Soils, Toxicity, Volume, Design criteria, Performance evaluation, Selection, Screening, Soil analysis, Manuals, Flow charts, Graphs(Charts), CERCLA(Comprehensive Environmental Response Compensation and Liability Act), Soil vapor extraction, Remedial Action, Record of Decision, Tests, Test equipment, Laboratories.

PB92-227289/REB PC **A04**/MF **A01**
Technology Evaluation Report: Ogden Circulating Bed Combustor at the McColl Superfund Site.
Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.
Jan 92, 69p EPA/540/R-92/001

The Superfund Innovative Technology Evaluation (SITE) Program was authorized in the 1986 Superfund amendments. The report provides documentation of a pilot-scale treatability study and demonstration of an innovative technology that took place in San Diego, California at the Ogden Environmental Services (OES) Research facility. Observation and sampling of a research-scale circulating bed combustor (CBC) took place during a preliminary test sponsored under an agreement between the SITE Program and OES. The treatability study was conducted on a minimal amount of representative McColl Site waste to determine if a full SITE Demonstration is feasible.

Keywords: *Hazardous materials, *Waste treatment, Pilot plants, Technology transfer, US EPA, Sites, Feasibility studies, *Superfund, San Diego(California), *Circulating bed combustor.

PB92-227313/REB PC **A06**/MF **A02**
Environmental Gases. Draft rept.
Health Effects Research Lab., Research Triangle Park, NC.
V. A. Benignus, L. W. Chang, and R. S. Dyer. 30 Apr 92, 109p EPA/600/A-92/181
Pub. in Handbook of Neurotoxicology, v2. Effects and Mechanisms.

Elaborate and variegated life forms have evolved in the narrow ecological niche defined by Earth's gaseous environment. Certain common gases are used by organisms as energy sources or produced by organisms as metabolic waste. Closed-loop controls have evolved which regulate critical blood gases with astonishing precision, even under conditions of wide deviation of gas levels in the environment. It is possible, with a little more than current knowledge, to construct a unified account of the physiological mechanisms which regulate departures from normal environmental gas levels and the behavioral consequences of such exposures.

Keywords: *Gases, *Neurology, *Toxicology, *Environmental impacts, Blood, Physiology, Exposure, Humans, Nervous system, Concentration(Composition), Carbon dioxide, Carbon monoxide, Hydrogen cyanide, Metabolism, Hypoxia.

PB92-227321/REB PC **A02**/MF **A01**
Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.
***Pilot-Scale Incineration of PCB-Contaminated* Sediments from the Hot Spot of the New Bedford Harbor Superfund Site.**
Acurex Corp., Jefferson, AR. Incineration Research Facility.
L. R. Waterland, W. E. Whitworth, and M. K. Richards. 1992, 10p EPA/600/A-92/187
Contract EPA-68-C9-0038
Proceedings of the 1992 Incineration Conference, Albuquerque, NM., May 11-14, 1992. See also PB92-178953. Sponsored by Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.

Testing was performed at the EPA's Incineration Research Facility (IRF) to determine the incinerability of contaminated marine sediment from the Hot Spot in the New Bedford Harbor Superfund Site. The contaminants at this site were PCBs, at concentrations up to >200,000 mg/kb, and metals, chiefly cadmium, chromium, copper, and lead, at concentrations up to several hundred mg/kg. Sediments were incinerated without dewatering. Tests were run on sediments spiked with pure PCB transformer fluid and a brief period of operation with native sediment alone, or unspiked. Test results suggest that incineration would be an effective treatment option for the site sediments. However, sediment dewatering prior to incineration and/or incinerating for a longer kiln solids residence time might be required to produce a treated sediment not contaminated by PCBs.

Keywords: *Superfund, *Sediments, *Waste disposal, *Incineration, Polychlorinated biphenyls, Combustion efficiency, Metals, Air pollution abatement, Dewatering, Remedial action, Performance evaluation, Reprints, New Bedford Harbor, EPA Region 1.

PB92-227339/REB PC **A03**/MF **A01**
Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.
Removal of Creosote from Soil by Bioslurry Reactors.
IT Environmental Programs, Inc., Cincinnati, OH.
R. P. Lauch, J. G. Herrmann, W. R. Mahaffey, A. B. Jones, and M. Dosani. Apr 92, 32p EPA/600/A-92/188
Contract EPA-68-C9-0036
Presented at the AICHE Spring National Meeting, New Orleans, LA., March 29-April 2, 1992. Prepared in cooperation with International Technology Corp., Cincinnati, OH., and ECOVA Corp., Redmond, WA. Sponsored by Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.

Biological slurry reactors were tested for removal of polynuclear aromatic hydrocarbons (PAHs) from creosote contaminated soil. Five bioslurry reactors, operated in parallel, kept the soil aerated, partially suspended and well mixed. The reactors were inoculated with indigenous microbes of the Genus Pseudomonas. Nutrients were added to maintain the optimum ratio of carbon, nitrogen, and phosphorus. Temperature within the reactors was approximately 25C. The slurry consisted of approximately 30% contaminated soil. Results of pilot studies showed that approximately 90% of the total PAHs were removed in the first two weeks. Total PAH concentration in the soil was reduced from approximately 10973 mg/kg to 1097 mg/kg.

Keywords: *Creosote, *Soils, *Reactors, *Waste treatment, Removal, Aromatic polycyclic, Degradation, Biological waste treatment, Pseudomonas, Slurries, Temperature, Concentration(Composition), Remedial action.

PB92-227347/REB PC **A03**/MF **A01**
Some Constitutive Modifiers of the Kinetic and Dynamic Behavior of Non-Essential Metals.
Health Effects Research Lab., Research Triangle Park, NC. Environmental Toxicology Div.
D. J. Thomas. 23 Jul 92, 23p EPA/600/A-89/189

In addition to the variety of extrinsic (e.g., environmental, nutritional and experimental) factors which can influence the kinetic and dynamic behavior of non-essential metals, certain intrinsic or constitutive characteristics of the host organism can influence the distribution, metabolism and toxic effects of these metals. An important task in metal toxicology is identification of these constitutive factors and elucidation of the molecular bases of organismic differences in the kinetic and dynamic behavior of non-essential metals. Understanding of these differences increases the knowledge of the physiological processes controlling metal disposition and improves the accuracy of the assessment of hazard associated with exposure to non-essential metals. The incorporation of these constitutive factors into the modelling of the kinetic behavior of non-essential metals will improve the descriptive and predictive value of the models.

Keywords: *Pharmacokinetics, *Metals, Metabolism, Nutrition, Toxicology, Cadmium, Mercury, Aging(Biology), Lead, Metallothionein, Messenger RNA, Sex factors, Genotype.

PB92-227354/REB PC **A03**/MF **A01**
Environmental Research Lab.-Duluth, MN.
Hepatic Microsomal N-hydroxylation of Aniline and 4-chloroaniline by Rainbow Trout 'Onchorhyncus mykiss'. Journal article.
Wisconsin Univ.-Superior.
J. M. Dady, S. P. Bradbury, A. D. Hoffman, M. M. Voit, and D. L. Olson. c1991, 18p EPA/600/J-92/293
Grant EPA-R-813844
Pub. in Xenobiotica, v21 n12 p1605-1620 1992. Sponsored by Environmental Research Lab.-Duluth, MN.

A wide variety of fish and other aquatic species are capable of metabolic biotransformations that are qualitatively similar to oxidative Phase I and conjugative Phase II reactions observed in mammals. An extensive body of literature exists describing microsomal cytochrome P450-related biotransformation and induction in several freshwater and marine organisms. Collectively, these data are useful for the investigation of interspecies homologies and the determination of potential biological indicators for environmental monitoring. Furthermore, the elucidation of reactive metabolite formation has played a crucial role in the understanding of toxicity mechanisms for many compounds in a variety of species, although some pathways and chemical-specific bioactivation rates have not yet been characterized in fish. (Copyright (c) 1991 Taylor & Francis Ltd.)

Keywords: *Liver microsomes, *Trout, *Anilines, Chemical water pollutants, Hydroxylation, Metabolic activation, Cytochrome P-450, Biotransformation, Environmental monitoring, Liquid chromatography, Reprints, *4-chloroaniline, Onchorhyncus mykiss.

PB92-227362/REB PC **A03**/MF **A01**
Environmental Protection Agency, Research Triangle Park, NC. Atmospheric Research and Exposure Assessment Lab.
Comparison of SIMCA Pattern Recognition and Library Search Identification of Hazardous Compounds from Mass Spectra. Journal article.
Illinois Univ. at Chicago.
M. Sarker, W. G. Glen, L. B. Yin, W. J. Dunn, and D. R. Scott. c31 Oct 90, 12p EPA/600/J-92/294
Grant EPA-R-814363
Pub. in Analytica Chimica Acta, v257 p229-238 1992. See also PB85-125664. Prepared in cooperation with Midwest Research Inst., Kansas City, MO. Sponsored by Environmental Protection Agency, Research Triangle Park, NC. Atmospheric Research and Exposure Assessment Lab.

SIMCA pattern recognition methods have been applied to mass spectral data from a target list of hazardous chemicals. A scheme has been proposed for classification and identification of five classes of compounds including aromatics, chlorocarbons, bromocarbons, hydrocarbons and polychlorinated biphenyls (PCBs). In addition, partial least squares regression has been used to predict the number of chlorine atoms present in the PCBs. A training set of 429 compounds was used. Classification models were derived by using principal components analysis of the autocorrelation transformed spectra and were applied to two gas chromatography-mass spectrometry ambient air field samples and one hazardous waste sample. An optimal number of three principal components was determined. For identification the mass spectra of the unknowns were compared with the training set mass spectra in the predicted class. The overall classification and identification rates for training spectra were 89% and for the unknowns were 92% and 82%, respectively. Identification results of the SIMCA scheme for an ambient air field sample also was compared to that of probability based matching (PBM). Correct identification for the spectra in the sample by SIMCA was 71/84 (85%) as opposed 35/84 (42%) by PBM.

Keywords: *Hazardous materials, *Pattern recognition, *Mass spectroscopy, Solid wastes, Air pollution, Polychlorinated biphenyls, Halohydrocarbons, Hydrocarbons, Statistical analysis, Reprints, *SIMCA methods.

PB92-227370/REB PC **A02**/MF **A01**
Apportionment of Residential Indoor Aerosol, VOC, and Aldehyde Species to Indoor and Outdoor Sources, and Their Source Strengths. Journal article.
Environmental Protection Agency, Research Triangle Park, NC. Atmospheric Research and Exposure Assessment Lab.
C. W. Lewis, and R. B. Zweidinger. c1992, 8p EPA/600/J-92/295
Pub. in Atmospheric Environment, v26A n12 p2179-2184 1992. See also PB90-263021.

The average concentrations of forty-five fine particle aerosol, VOC and aldehyde species measured in ten Boise ID residences in wintertime have been apportioned according to their contributions from all inside sources and all outside sources. The method depends on the availability of average concentrations measured outside of each residence during the same sampling periods used for the inside measurements, and on the ability to identify one or more species that have negligible indoor sources. The apportionment results have also been expressed in terms of average indoor source strengths for all the species.

Keywords: *Indoor air pollution, *Pollution sources, *Air pollution sampling, Concentration(Composition), Aerosols, Volatile organic compounds, Aldehydes, Residential buildings, Reprints.

PB92-227388/REB PC **A03**/MF **A01**
Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.
Control Technologies for Remediation of Contaminated Soil and Waste Deposits at Superfund Lead Battery Recycling Sites. Journal article.
Foster Wheeler Enviresponse, Inc., Edison, NJ.
M. D. Royer, A. Selvakumar, and R. Gaire. c1992, 14p EPA/600/J-92/296
Contract EPA-68-C9-0033
Pub. in Jnl. of the Air and Waste Management Association, v42 n7 p970-980 Jul 92. Sponsored by Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.

The paper primarily addresses remediation of contaminated soils and waste deposits at defunct lead-acid battery recycling sites (LBRS) via immobilization and separation processes. Metallic lead and lead compounds are generally the principal contaminants of concern in soils and waste deposits. Other metals (e.g., cadmium, copper, arsenic, antimony, and selenium) are often present at LBRS. The article is primarily based on experience gained from: (1) Superfund site investigation, removal, and remedial actions, and (2) development and demonstration of control technologies under the Superfund Innovative Technology Evaluation (SITE) Program. The primary remedial options for lead contaminated soils and waste deposits include: (1) no action, (2) off-site disposal, (3) containment, (4) immobilization, (5) separation with resource recovery, and (6) separation without resource recovery.

Keywords: *Hazardous materials, *Electric batteries, *Soils, *Pollution control, Lead(Metal), Acid electrolytes, Metals, Cadmium, Arsenic Copper, Earth fills, Waste disposal, Containment, Separation, Recovery, Solidification, Reprints, *Superfund, Remedial action, Waste recycling, SITE program.

PB92-227396/REB PC **A03**/MF **A01**
Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.
Permeation Resistance of Glove Materials to Agricultural Pesticides. Journal article.
Little (Arthur D.), Inc., Cambridge, MA.
A. D. Schwope, R. Goydan, D. Ehntholt, U. Frank, and A. Nielsen. c1992, 11p EPA/600/J-92/297
Contract EPA-68-C9-0037
Pub. in American Industrial Hygiene Association Jnl., v53 n6 p352-361, 6 Jun 92. Sponsored by Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.

The toxicities of many agricultural pesticides require that hand protection be provided to persons who mix, load, and apply these products. The selection of appropriate handwear is particularly problematic for pesticides that contain organic solvents or active ingredients that behave as organic solvents upon contact with common polymeric glove materials. Using a previously developed test procedure that allows the concurrent measurement of permeation of the active ingredient and the carrier solvent, more than 115 permeation tests (in triplicate) have been performed with approximately 20 pesticide formulations and 13 glove materials. The carrier solvent was generally found to permeate sooner and at a much higher rate than the active ingredient. The permeation behavior of the formulations containing solvents generally mirrored that of the carrier solvents in neat form. Pertinent to permeation resistance, the better glove materials were nitrile rubber, butyl rubber, and plastic film laminates; natural rubber and polyvinyl chloride were poorer barriers.

Keywords: *Materials, *Toxicity, *Pesticides, Solvents, Organic compounds, Humans, Gloves, Protective clothing, Penetration.

PB92-227404/REB PC **A03**/MF **A01**
Environmental Monitoring Systems Lab., Las Vegas, NV. Exposure Assessment Research Div.
Probability of Plume Interception Using Conditional Simulation of Hydraulic Head and Inverse Modeling. Journal article.
Nevada Univ., Las Vegas. Environmental Research Center.
D. Weber, D. Easley, and E. Englund. c1991, 23p EPA/600/J-92/298
Pub. in Mathematical Geology, v23 n2 1991. Sponsored by Environmental Monitoring Systems Lab., Las Vegas, NV. Exposure Assessment Research Div. Prepared in cooperation with New Orleans Univ., LA.

A procedure to estimate the probability of intercepting a contaminant groundwater plume for monitoring network design has been developed and demonstrated. The objective of the procedure is to use all available information in a method that accountsfor the heterogeneity of the aquifer and the paucity of data. The major components of the procedure are geostatistical conditional simulation and parameter estimation that are used sequentially to generate flow pathsfrom a suspected contaminant source location to a designated monitoring transect. From the flow paths, a histogram is constructed that represents the spatial probability distribution of plume centerlines. With an independent estimate of the plume width, a relationship between the total cost and the probability of detecting a plume can be made. The method uses geostatistical information from hydraulic head measurements and is conditioned by the data and the physics of groundwater flow. The procedure was developed specifically for the design of monitoring systems at sites where very few, if any, hydraulic conductivity data are available. (Copyright (c) 1991 International Association for Mathematical Geology.)

Keywords: *Water pollution sampling, *Ground water, *Plumes, *Flow models, Aquifers, Spatial distribution, Environmental transport, Hydraulic conductivity, Statistical analysis, Probability, Reprints.

PB92-227412/REB PC **A02**/MF **A01**
Application of the EPR Spin-Trapping Technique to the Detection of Radicals Produced in vivo during Inhalation Exposure of Rats to Ozone. Journal article.
Health Effects Research Lab., Research Triangle Park, NC.
C. H. Kennedy, G. E. Hatch, R. Slade, and R. P. Mason. c1992, 8p EPA/600/J-92/299
Pub. in Toxicology and Applied Pharmacology, v114 p41-46 May 92. Prepared in cooperation with Duke Univ. Medical Center, Durham, NC., and National Inst. of Environmental Health Sciences, Research Triangle Park, NC.

Ozone is known to induce lipid peroxidation of lung tissue, although no direct evidence of free radical formation has been reported. The authors have used the electron paramagneticresonance (EPR) spin-trapping technique to search for free radicals produced in vivo by ozone exposure. The spin trap alpha-(4-pyridyl-1-oxide)-N-tert-butylnitrone (4-POBN) was administered i.p. to male Sprague-Dawley. The rats were then exposed for 2 hrs to either 0, 0.5, 1.0, 1.5 or 2.0 ppm ozone with 8% CO2 to increase their respiratory rate. The concentration of the radical adduct increased as a function of ozone concentration. After administration of 4-POBN, rats were exposed for either 0.5, 1.0, 2.0 or 4.0 hrs to either 0 or 2.0 ppm ozone (with CO2). The radical adduct concentration of the ozone-exposed groups at exposure times of 2.0 and 4.0 hrs was significantly different from that of the corresponding air control groups. A correlation was observed between the radical adduct concentration and the lung weight/body weight ratio. These results demonstrate that ozone induces the production of free radicals in rat lungs during inhalation exposure and that radical production may be involved in the induction of lung edema by ozone. This is the first direct evidence for ozone-induced free radical production in vivo.

Keywords: *Air pollution effects(Animals), *Ozone, *Free radicals, *Toxicity, Carbon dioxide, Electron spin resonance, Lipid peroxidation, Rats, In vivo analysis, Dose-response relationships, Lung, Organ weight, Body weight, Reprints.

PB92-227420/REB PC **A03**/MF **A01**
Health Effects Research Lab., Research Triangle Park, NC. Inhalation Toxicology Div.
Reduction of Neutrophil Influx Diminishes Lung Injury and Mortality Following Phosgene Inhalation. Journal article.
Duke Univ. Medical Center, Durham, NC. Div. of Allergy, Critical Care, and Respiratory Medicine.
A. J. Ghio, T. P. Kennedy, G. E. Hatch, and J. S. Tepper. c1992, 11p EPA/600/J-92/300
Contract EPA-68-02-4450
Pub. in Jnl. of Applied Physiology, v71 n2 p657-665 Aug 91. Prepared in cooperation with ManTech Environmental Technology, Inc., Research Triangle Park, NC. Sponsored by Health Effects Research Lab., Research Triangle Park, NC. Inhalation Toxicology Div.

Phosgene inhalation causes a severe noncardiogenic pulmonary edema characterized by an influx of neutrophils into the lung. To study the role of neutrophils in lung injury and mortality after phosgene, the authors investigated the effects of leukocyte depletion with cyclophosphamide, inhibiting the generation of the chemotaxin leukotriene B4 by 5-lipoxygenase inhibitor AA861, and impairing neutrophil migration with the microtubular poison colchicine. Cyclophosphamide, AA861 and colchicine injected before exposure significantly reduced percent neutrophils, protein and thiobarbituric acid reactive products in bronchoalveolar lavage fluid of rats exposed to phosgene (0.5 ppm x 60 min.). Cyclophosphamide, AA861, and colchicine also significantly decreased mortality from phosgene (2.0 ppm x 90 min.) in mice. Colchicine significantly reduced neutrophil influx, lung injury and mortality even when given 30 minutes after phosgene exposure. The authors conclude that lung injury and mortality after phosgene exposure are associated with an influx of neutrophils into the lung. Preventing neutrophil migration with colchicine may hold therapeutic potential in phosgene poisoning.

Keywords: *Neutrophils, *Mortality, *Lung, *Phosgene, *Air pollution effects(Animals), Pulmonary edema, Cyclophosphamide, Leukotrienes, Arachidonate 5-lipoxygenase, Colchicine, Mice, Rats, Reprints.

PB92-227438/REB PC **A03**/MF **A01**
Health Effects Research Lab., Research Triangle Park, NC. Genetic Toxicology Div.
Interspecies Cytogenetic Comparisons: Studies with X-Radiation and Bleomycin Sulfate. Journal article.
Environmental Health Research and Testing, Inc., Research Triangle Park, NC.
A. D. Kligerman, M. F. Bryant, C. L. Doerr, E. C. Halperin, and P. Kwanyuen. c1992, 11p EPA/600/J-92/301
Contract EPA-68-02-4456
Pub. in Environmental and Molecular Mutagenesis, v19 n3 p235-243 Apr 92. Prepared in cooperation with Duke Univ. Medical Center, Durham, NC. Dept. of Radiation Oncology. Sponsored by Health Effects Research Lab., Research Triangle Park, NC. Genetic Toxicology Div.

A series of in vitro experiments were conducted to determine if there are innate differences in the sensitivity of peripheral blood lymphocytes (PBLs) from different mammalian species to clastogens. Mouse, rat, and human whole blood samples were exposed to either 0, 0.38, 0.75, 1.5, or 3.0 Gy x-radiation or 0, 5, 10, 20, 40, or 80 micrograms/ml bleomycin for 4 h. Bromodeoxyuridine-containing cultures were initiated and the PBLs stimulated to divide with phytohemagglutinin. All cultures were harvested following a 3-h colcemid treatment. Slides were made and differentially stained, and first-division metaphases were scored for chromosome aberrations. In the x-radiation studies human PBLs were significantly more sensitive than mouse PBLs which were in turn more sensitive than rat PBLs as measured by either the total percent aberrant cells or the number of dicentrics. Results with bleomycin suggest that the mouse and human PBLs are equally sensitive to the clastogenic effects of bleomycin. These results indicate that there may be inherent differences in sensitivity among PBLs of mammalian species; however, more studies are needed to determine if the differences presented here hold for other agents.

Keywords: *Chromosome aberrations, *Species diversity, *Bleomycin, *X rays, Comparison, In vitro analysis, Lymphocytes, Dose-response relationships, Humans, Rats, Mice, Reprints.

PB92-227446/REB PC **A03**/MF **A01**
Evaluation and Comparison of Spatial Interpolators. Journal article.
Environmental Monitoring Systems Lab., Las Vegas, NV.
D. Weber, and E. Englund. c1992, 13p EPA/600/J-92/302
Pub. in Mathematical Geology, v24 n4 p381-391 1992. Prepared in cooperation with Nevada Univ., Las Vegas. Environmental Research Center.

The study evaluates 15 different estimators to determine their relative merits in estimating block concentrations at contaminant waste sites. The evaluation was based on 54 subsets of data drawn from an exhaustive set of 19,800 data. For each subset, 198 block estimates were made with each estimator. The measurements of estimation quality were a linear loss function and a more standard statistic, the mean square error. The linear loss function showed that seven of the estimators produced scores close enough to be within the same statistical population. Results based on the mean square error were similar. The surprising results of the study were that inverse distance and inverse distance squared both produced better scores than kriging. (Copyright (c) 1992 International Association for Mathematical Geology.)

Keywords: *Waste management, *Study estimates, *Spatial distribution, *Statistical analysis, Comparison, Site surveys, Soil contamination, Sampling, Interpolation, Concentration(Composition), Kriging, Algorithms, Reprints, *Geostatistics, Inverse distance algorithms.

PB92-227453/REB PC **A03**/MF **A01**
Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.
Relationship between Free Liquids and Solids Content for Sewage Sludges. Journal article.
IT Environmental Programs, Inc., Cincinnati, OH.
J. B. Farrell, and R. W. Gerstle. 1992, 15p EPA/600/J-92/303
Contract EPA/68-03-3346
Sponsored by Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.

EPA guidelines for disposal of solid waste to landfills require that the wastes contain no 'free liquids', where the absence of free liquids is demonstrated by the EPA-prescribed paint filter liquids test (PFLT). The requirement applies to wastewater treatment sludges disposed to landfills. The investigation was conducted to determine whether solids content of sludges could be used in lieu of the PFLT since most treatment plants routinely determine solids content of their sludges. The experiments carried out demonstrated that solids content required to pass the PFLT ranged from 5.5% for waste activated sludge to 15.6% for primary sludges. Agitation such as might be encountered in truck transport of sludge to a landfill did not cause sludges that initially passed the test to fail; however, some sludges that initially passed the test failed after standing for 24 hours.

Keywords: *Earth fills, *Sludge disposal, Liquids, Waste water, Requirements, Tests, Solids, Dewatering, Drying, Leachates.

PB92-227461/REB PC **A03**/MF **A01**
Environmental Protection Agency, Las Vegas, NV.
Information Integration for Environmental Monitoring and Assessment: An Annotated Bibliography. Professional paper.
Iowa Univ., Iowa City. Dept. of Geography.
R. Rajagopal, U. Natarajan, and J. Wacker. c1992, 29p
Pub. in Environmental Professional, v14 p151-177 1992. See also PB91-155242. Sponsored by Environmental Protection Agency, Las Vegas, NV.

Annual federal and state investments in the collection, storage, and maintenance of resource and environmental data are enormous (estimated in the range of a few to tens of billions of dollars). Despite these investments, the use of information from these databases for societal endpoints has been limited. Further research to evaluate the utility of large environmental databases in the analysis of selected scientific and regulatory questions therefore would be timely. The primary purpose of the paper is to provide an annotated review of selected literature on the topic of information integration in the context of environmental monitoring and assessment. Based on a review of this literature, significant scholarly contributions to this field have been identified as falling into the following four issue areas: institutional, resource/ecological, design, and technological. The publications are grouped, indexed, associated with keywords and organized under these four major issue areas.

Keywords: *Environmental monitoring, *Environmental impact assessments, *Information transfer, Bibliographies, Data processing, Listings, Information retrieval, Subject indexing, Reviews, Technology utilization, Ecology, Natural resources, Design criteria, Pollution regulations, Environmental management, Environmental policy, Reprints.

PB92-227479/REB PC **A03**/MF **A01**
Metals in Ground Water: Sampling Artifacts and Reproducibility. Journal article.
Robert S. Kerr Environmental Research Lab., Ada, OK.
R. W. Puls, D. A. Clark, B. Bledsoe, R. M. Powell, and C. J. Paul. c1992, 16p EPA/600/J-92/307
Pub. in Hazardous Waste and Hazardous Materials, v9 n2 p149-162 1992. Prepared in cooperation with ManTech Environmental Technology, Inc., Ada, OK.

Field studies evaluated sampling procedures for determination of aqueous inorganic geochemistry and assessment of contaminant transport by colloidal mobility. Research at three different metal-contaminated sites has shown that 0.45 um filtration has not removed potentially mobile colloids, when samples have been collected using low pumping flow rates (approx. 0.2-0.3 L/min). However, when pumping velocities greatly exceed formation groundwater flow velocities, large differences between filtered and unfiltered samples are observed, and neither are representative of values obtained with the low flow-rate pumped samples. There was a strong inverse correlation between turbidity and representativeness of samples.

Keywords: *Metals, *Ground water, *Water pollution, Sampling, Colloids, Environmental transport, Turbidity, Flow rate, Water flow, Pumping, Water wells, Dissolved gases, Oxygen, pH, Temperature, Filtration, Reprints.

PB92-227487/REB PC **A03**/MF **A01**
Acquisition of Representative Ground Water Quality Samples for Metals. Journal article.
Robert S. Kerr Environmental Research Lab., Ada, OK.
R. W. Puls, and R. M. Powell. c1992, 13p EPA/600/J-92/308
Pub. in FOCUS: Ground Water Monitoring Review, v12 n3 p167-176 Summer 1992. Prepared in cooperation with ManTech Environmental Technology, Inc., Ada, OK.

R.S. Kerr Environmental Research Laboratory (RSKERL) personnel have evaluated sampling procedures for the collection of representative, accurate, and reproducible ground water quality samples for metals for the past four years. Intensive sampling research at three different field sites has shown that the method by which samples are collected has a greater impact on sample quality, accuracy, and reproducibility than whether the samples are filtered or not. In particular, sample collection practices that induce artifically high levels of turbidity have been shown to have the greatest negative impacts on sample quality. Results indicated the ineffectiveness of bailer for collection of representative metal samples. Inconsistent operator usage together with excessive purging generally resulted in excessive turbidity and large differences in filtered and unfiltered metal samples. The use of low flow rate purging and sampling consistently produced filtered and unfiltered samples that showed no significant differences in concentrations. Turbidity levels were generally less than 5 NTUs, even in fine-textured glacial till. The authors recommend the use of low flow rates, during both purging and sampling.

Keywords: *Metals, *Ground water, *Pumping, Fluid filtration, Arsenic, Chromium, Rates(Per time), Sampling, Concentration(Composition), Water quality indicators.

PB92-227495/REB PC **A03**/MF **A01**
Age-Related Percutaneous Penetration of 2-sec-Butyl-4-6-Dinitrophenol (Dinoseb) in Rats. Journal article.
Health Effects Research Lab., Research Triangle Park, NC. Environmental Toxicology Div.
L. L. Hall, H. L. Fisher, M. R. Sumler, M. F. Hughes, and P. V. Shah. c1992, 12p EPA/600/J-92/309
Pub. in Fundamental and Applied Toxicology, v19 n2 p258-267 Aug 92. Prepared in cooperation with Man-Tech Environmental Technology, Inc., Research Triangle Park, NC., and Hoffmann-La Roche, Inc., Nutley, NJ.

The effect of age, dose, and method of dermal penetration assessment on the percutaneous penetration of C14-dinoseb have been determined in the Fischer rat. Dermal absorption was shown to be dependent on age and independent of dose. In vitro measurement of dermal absorption was found to produce results quantitatively similar to in vivo results, but the method was not sensitive enough to detect small differences in skin absorption. Through the use of a physiological compartmental model, kinetic differences in the disposition of dinoseb in young and adult rats were identified and quantitated. The study was initiated by a request from OTS/OPP.

Keywords: *Pesticides, *Aging(Biology), *Skin absorption, *Toxicity, Rats, In vivo analysis, In vitro analysis, Tables(Data), Body weight, Organ weight, Feces, Urine, Pharmacokinetics, Reprints, *Dinoseb.

PB92-227503/REB PC **A03**/MF **A01**
Health Effects Research Lab., Research Triangle Park, NC.
Effects of Trimethyltin on Repeated Acquisition (Learning) in the Radial-Arm Maze. Journal article.
Northrop Services, Inc., Research Triangle Park, NC.
P. J. Bushnell, and K. E. Angell. c1992, 15p EPA/600/J-92/310
Pub. in NeroToxicology (Trade Name), v13 p429-442 1992. Sponsored by Health Effects Research Lab., Research Triangle Park, NC.

A repeated acquisition procedure for the 8-arm radial maze was evaluated with trimethyltin (TMT). Ten male Long-Evans rats were trained to collect a single food pellet at the end of each baited arm on each trial of a daily 12-trial test session. Four of the eight arms were baited on all trials of a given session. The set of four baited arms was changed each day, thus requiring the rat to learn a new set of baited arms in each session. In trained rats, errors (entries into unbaited arms) declined from about 4 on Trial 1 to <1 on Trials 4-12 in each session: this within-session error reduction thus defined an acquisition baseline against which the effects of TMT were assessed. Learning was impaired after 7 mg/kg (iv) TMT, as shown by a slower decline in within-session error frequencies in all treated rats. Errors and response latencies were elevated for 5 weeks after TMT but returned to control levels thereafter. Histological examination of hippocampi showed damage to Ammon's Horn in all treated rats 18 weeks after treatment; however, no significant relationship between degree of damage and behavioral effect was observed.

Keywords: *Trimethyltin, *Animal behavior, *Learning, *Toxicology, Hippocampus, Rats, Reaction time, Histology, Reprints.

PB92-227529/REB PC **A02**/MF **A01**
Corticosterone Hypersecretion in Preweanling Rats Exposed Neonatally to Trimethyltin. Journal article.
Health Effects Research Lab., Research Triangle Park, NC.
M. E. Stanton, M. E. Coussons, and C. M. Kuhn. c1992, 10p EPA/600/J-92/311
Pub. in NeuroToxicology (Trade Name), v13 p421-428 1992.

Developmental neuro-toxicity may be influenced by effects of a compound on endocrine function. Here the authors report that developmental exposure to TMT increases the corticosterone (CS) response to stress in developing rat pups. Long-Evans rat pups were injected i.p. with either 6 mg/kg TMT hydroxide (in 10 microliter/g BW NaCl) or vehicle on Postnatal Day 5 (PND5) or 10 and were then tested for their CS response to restraint stress on PND12, 16, or 20. TMT exposure on PND5 (Experiment 1) resulted in CS hypersecretion relative to vehicle-injected controls on PND12 and 16 but not PND20. TMT exposure on PND10 (Experiment 2) had no effect at PND12 but elevated CS over vehicle controls at PND16 and 20. PND15 exposure to TMT resulted in CS hypersecretion in pups tested on PND20. Neonatal organotin exposure appears to alter CS secretion in a manner that is influenced by age of exposure and age of testing.

Keywords: *Toxicity, *Trimethyltin, *Teratogenic compounds, *Corticosterone, Rats, Stress(Physiology), Organ weight, Body weight, Exposure, Reprints, Hypersecretion.

PB92-227537/REB PC **A02**/MF **A01**
Health Effects Research Lab., Research Triangle Park, NC.
Deposition Patterns of Ragweed Pollen in the Human Respiratory Tract. Journal article.
Arizona Univ., Tucson. Div. of Respiratory Sciences.
T. B. Martonen, and M. K. O'Rourke. c1990, 7p EPA/600/J-92/312
Grant EPA-R-811806
Pub. in GRANA, v30 n1 p82-86 Jun 91. Sponsored by Health Effects Research Lab., Research Triangle Park, NC.

Inhaled particle deposition sites must be identified to effectively treat human airway diseases. The authors have determined distribution patterns of a selected aeroallergen, ragweed pollen, among human extrathoracic (ET: i.e., oro-nasopharyngeal) regions and the lung. A predictive model validated by inhalation exposure data from human subjects was utilized. Deposition locations were primarily functions of (1) ragweed particle parameters (size, 14-20 micrometers; shape, spherical; and density, 1.14 g cu cm) and (2) mode of breathing. In the general population, two styles of inhalation are prevalent: normal augmentors (NAs), and mouth breathers (MBs), their clinical definitions are based on intra-ET airflow divisions. For a NA-mode breathing, sedentary (10 L/min) adult, 88% of inhaled ragweed pollen was removed by the ET compartment and 7.0% collected within the lung. For a MB, the respective deposition efficiencies were 68% and 25%. To apply the model, they used a daily springtime ragweed pollen concentration of 300 grains/cu m and an exposure time of 0.5 hour to calculate actual doses for the respiratory system. Under the stipulated conditions, a MB would inhale 45 pollen grains per day and 8 would be deposited in the lung; the value is 3 grains for a NA. Frequently, individuals with impaired respiratory functions are MBs in whom such pollen deposits are likely contributors to airway disease.

Keywords: *Respiratory system, *Toxicology, *Allergens, Humans, Respiration, Mathematical models, Reprints, *Ragweed pollen.

PB92-227545/REB PC **A02**/MF **A01**
Health Effects Research Lab., Research Triangle Park, NC.
Carcinogenic Risk of Non-Uniform Alpha Particle Irradiation in the Lungs: Radon Progeny Effects at Bronchial Bifurcations. Journal article.
NSI Technology Services Corp., Research Triangle Park, NC.
W. Hoffmann, D. J. Crawford-Brown, M. G. Menache, and T. B. Martonen. c1992, 10p EPA/600/J-92/313
Contract EPA-68-02-4450
Pub. in Radiation Protection Dosimetry, v38 n1-3 p91-98 Dec 91. Prepared in cooperation with Duke Univ. Medical Center, Durham, NC. Center for Extrapolation Modelling, North Carolina Univ. at Chapel Hill. Dept. of Environmental Sciences and Engineering, and Salzburg Univ. (Austria). Dept. of Biophysics. Sponsored by Health Effects Research Lab., Research Triangle Park, NC.

The combined effect of enhanced deposition and reduced clearance at bronchial bifurcations leads to increased radon progeny doses within branching sites compared to uniformly distributed activity within a given airway generation. A multi-stage carcinogenesis model was used to predict the probability of lung cancer induction at different sites of the bronchial region. For relatively low radon progeny exposures, lung cancer risk is significantly higher in bifurcation zones, particularly at carinal ridges, than along tubular segments. At sufficiently high exposures, however, lung cancer risk is highest in the tubular portions of a generation. This suggests that the common assumption of a uniform dose distribution provides realistic risk estimates for high uranium miner exposures, but may underestimate lung cancer risk at low, environmental exposures. If concomitant exposure to cigarette smoke is factored into the risk analysis in a multiplicative fashion, then the effect related to risk inhomogeneity becomes even more pronounced.

Keywords: *Carcinogenesis, *Radon, *Bronchi, *Pulmonary neoplasms, *Alpha particles, Risk assessment, Dosimetry, Respiration, Air pollution effects(Humans), Reprints.

PB92-227552/REB PC **A02**/MF **A01**
Carboxyhemoglobin and Brain Blood Flow in Humans. Journal article.
Health Effects Research Lab., Research Triangle Park, NC. Human Studies Div.
V. A. Benignus, M. K. Petrovick, L. Newlin-Clapp, and J. D. Prah. c1992, 8p EPA/600/J-92/314
Pub. in Neurotoxicology and Teratology, v14 n4 p285-290 Jul 92. Prepared in cooperation with North Carolina Univ. at Chapel Hill. Dept. of Psychology, and Man-Tech Environmental Technology, Inc., Research Triangle Park, NC.

It has been shown that with increased carboxyhemoglobin (COHb) and associated decrease in blood oxygen-carrying capacity, a compensatory increase in brain-blood flow (BBF) develops. The BBF response in humans has been shown to be quite variable. Two experiments were conducted in which humans were exposed to sufficient carbon monoxide (CO) to produce COHb levels up to 18.4%. BBF was measured by the method of impedance plethysmography. The first was a pilot study in which BBF in 14 men was studied after transient exposure to various concentrations of CO in air. BBF increased as a function of COHb, but not to the same extent (or at all) in some subjects. In a confirmatory experiment with 12 men, BBF was measured once per hr during a four-hr experiment. All 12 subjects received CO. The variation of the BBF response among subjects was large and statistically significant while the variation over time was not significant. Thus it appears that the magnitude of the BBF response is unique for a given subject and differs across subjects. These results may help predict CO-induced behavioral decrements in future studies if subjects whose BBF response to COHb is small or absent are also more susceptible to impairment by acute CO exposure. (Copyright (c) 1992 Pergamon Press Ltd.)

Keywords: *Carboxyhemoglobin, *Brain, *Blood circulation, *Carbon monoxide, Air pollution effects(Humans), Oxygen, Exposure, *Toxicity, Reprints.

PB92-227560/REB PC **A01**/MF **A01**
Letters to the Editor. Journal article.
Health Effects Research Lab., Research Triangle Park, NC.
K. M. Crofton, and J. Llorens. c1992, 4p EPA/600/J-92/315
Pub. in Fundamental and Applied Toxicology, v19 p315-316 1992.

A letter to the editor questions the treatment of data presented in an article on behavior toxicology of acrylamide and 3,3'-iminodipropionitrile. The author of the letter feels that important information found in the study, as well as in the references given was omitted, leading potentially to erroneous conclusions.

Keywords: *Toxicology, *Acrylamides, *Behavior, Sex factors, Laboratory animals, Locomotion, Nervous system, Metabolic activation, Reprints, *Iminodipropionitriles.

PB92-227578/REB PC **A02**/MF **A01**
Human Carcinogenesis by Arsenic. Journal article.
Health Effects Research Lab., Research Triangle Park, NC. Carcinogenesis and Metabolism Branch.
M. J. Mass. c1992, 10p EPA/600/J-92/316
Pub. in Jnl. of Environmental Geochemistry and Health, v14 p49-54 Jul 92.

Arsenic is one of the few human carcinogens for which there is not yet a reliable animal cancer model. As such, the classification of arsenic as a carcinogen is based upon data derived from human epidemiologic studies. Although the mechanisms of action of arsenic as a toxic agent have been known for many years, the inability to produce cancer in laboratory animals with arsenic has confounded the operational characterization of arsenic as initiator, promoter, complete carcino-

gen, or cocarcinogen for humans. Arsenic is clearly a genotoxic agent that induces chromosomal aberrations, micronuclei, and sister chromatid exchange in mammalian cells as well as neoplastically transforms Syrian hamster embryo cells; however, it is not a classical point mutagen. The manuscript reviews some of the scientifically based issues relating to arsenic and risk assessment. (Copyright (c) Science and Technology Letters 1991.)

Keywords: *Carcinogenesis, *Arsenic, *Toxicity, Cocarcinogenesis, Neoplastic cell transformation, Risk assessment, Mutagenicity tests, Syrian hamsters, Human, *Foreign technology.

PB92-227586/REB PC **A03**/MF **A01**
Quantitative Image Cytometry of Hepatocytes Expressing Gamma-Glutamyl Transpeptidase and Glutathione S-Transferase in Diethylnitrosamine-Initiated Rats Treated with Phenobarbitol and/or Phthalate Esters. Journal article.
Health Effects Research Lab., Cincinnati, OH. Genetic Toxicology Div.
J. H. Carter, R. E. Richmond, H. W. Carter, C. L. Potter, and F. B. Daniel. c1992, 13p EPA/600/J-92/317
Pub. in Jnl. of Histochemistry and Cytochemistry, v40 n8 p1105-1115 Aug 92. Prepared in cooperation with Wood Hudson Cancer Research Lab., Newport, KY., and Northern Kentucky Univ., Highland Heights. Dept. of Biological Sciences.

Image cytometry was used to quantify the volume of liver tissue expressing two widely accepted biochemical markers of neoplasia, gammaglutamyl transpeptidase (GGT) and the placental isozyme of glutathione s-transferase (GST-P). Rats were treated with the hepatocarcinogen, diethylnitrosamine (DENA) alone or combined with phenobarbital (BP). Other groups of rats received either diethylhexylphthalate (DEHP) or di-n-octylphthalate (DOP) in their diets for 26 weeks. GGT expression was detected diffusely throughout the liver parenchyma in several treatment groups so that any enhanced expression in AF and N was not apparent. GST-P was detected only in AF and N. GST-P may represent a second genetic alteration as GST-P(+) AF and N also expressed GGT but not the reverse. By using the stereologic Principle of Delesse (area% = volume%) and the known liver weight, the grams of tissue expressing either marker was quantified. The peroxisome proliferator, DEHP, inhibited expression of GGT or GST-P in livers of either DENA treated or DENA + PB treated rats. With GST-P, the reduction was correlated to a reduced number of AF and N.

Keywords: *Liver, *Gamma-glutamyltransferase, *Glutathione transferases, *Diethylnitrosamine, *Phenobarbital, Cells(Biology), Rats, Immunohistochemistry, Carcinogens, Pathology, Reprints, *Phthalate esters, Image cytometry.

PB92-227594/REB PC **A03**/MF **A01**
Genotoxicity of Industrial Wastes and Effluents. A Review. Journal article.
Health Effects Research Lab., Research Triangle Park, NC. Genetic Bioassay Branch.
V. S. Houk. c1992, 50p EPA/600/J-92/318
Pub. in Mutation Research. v277 n2 p91-138 Aug 92.

A review of the literature published on the genotoxicity of industrial wastes and effluents using short-term genetic bioassays is presented in the document. The importance of this task arises from the ubiquity of genotoxic compounds in the environment and the need to identify the sources of contamination so that efforts aimed at control and minimization can be implemented. Of even greater significance is the immediate concern for the welfare of human health and the environment. Subheadings of the document include an introduction, a summary of the various genetic bioassays that have been used to test industrial wastes, a compendium of methods commonly used to prepare crude waste samples for bioassay, and a review of the genetic toxicity of wastes and effluents. Wastes have been grouped according to major industrial source. Within each industrial category, a synopsis of individual studies is presented, followed by an interpretation of results on an industry-wide basis.

Keywords: *Hazardous materials, *Industrial wastes, *Toxicity, *Reviews, Genetics, Bioassay, Water quality, Refineries, Chemical industry, Paper industry, Public health, Reprints.

PB92-227602/REB PC **A03**/MF **A01**
Fetal and Maternal Effects of Continual Exposure of Rats to 970-MHz Circularly-Polarized Microwaves. Journal article.
Health Effects Research Lab., Research Triangle Park, NC. Developmental Toxicology Div.
E. Berman, C. Weil, P. A. Phillips, H. B. Carter, and D. E. House. c1992, 14p EPA/600/J-92/319
Pub. in Electro- and Magnetobiology, v11 n1 p43-54 1992. Prepared in cooperation with National Inst. of Standards and Technology, Boulder, CO., and ManTech Environmental Technology, Inc., Research Triangle Park, NC.

Virtually continual exposure to970-MHz microwaves in circularly-polarized waveguides was used to elicit fetal responses in Sprague-Dawley rats during gestation. Two hundred fifty rats were exposed to microwave radiation at whole-body averaged specific absorption rates (SAR) of 0.07, 2.4, or 4.8 W/kg, or concurrently shamirradiated for 22 h/day from the 1st through the 19th day of gestation. At SAR of 4.8 W/kg, only fetal body weight was significantly altered (-12%, P = .012). Two of twelve rats died during the exposure at SAR of 4.8 W/kg. Bred, but non-pregnant, rats that were exposed at SAR of 4.8 W/kg had significantly lower body weight gain than sham-irradiated rats; similar lower gain is assumed to have occurred in the pregnant rats exposed at SAR of 4.8 W/kg, and whose fetuses were significantly smaller. The authors conclude that continual gestational exposure at SAR of 4.8 (but not 2.4 or lower) W/kg induces fetal alterations. Apparently, deleterious maternal effects are associated with these fetal changes. Although colonic temperature was not measured in these rats, it is expected that exposure at 4.8 W/kg was hyperthermal.

Keywords: *Microwaves, *Fetus, *Mothers, Exposure, Rats, Dose-response relationships, Body weight, Reproduction, Reprints.

PB92-227610/REB PC **A01**/MF **A01**
Reply to 'Selective Development Toxicity: Misuse of the Concept via Mis-Application of a Mis-Defined 'A/D Ratio'. (Letter to the Editor). Journal article.
Health Effects Research Lab., Research Triangle Park, NC.
J. M. Rogers, and R. W. Setzer. c1992, 5p EPA/600/J-92/320
Pub. in Teratology, v46 n1 p105-107 Aug 92.

A reply to a letter on the use of the A/D ratio in assessing developmental toxicity addresses issues the authors of the reply fail to consider in their response, as well as misstatements made by the respondents. Further clarification of the original points made is also provided.

Keywords: *Toxicity, *Teratogenic compounds, Health hazards, Species diversity, Terminology, Reprints.

PB92-227628/REB PC **A04**/MF **A01**
DNA Adduct Formation by 12 Chemicals with Populations Potentially Suitable for Molecular Epidemiological Studies. Journal article.
Health Effects Research Lab., Research Triangle Park, NC. Genetic Toxicology Div.
M. Uziel, N. B. Munro, D. S. Katz, T. Vo-Dinh, and E. A. Zeighami. c1992, 58p EPA/600/J-92/321
Pub. in Mutation Research, v277 p35-90 1992. See also DE89006931. Prepared in cooperation with Oak Ridge National Lab., TN. Health and Safety Research Div.

DNA adduct formation, route of absorption, metabolism and chemistry of 12 hazardous chemicals are reviewed. Methods for adduct detection are also reviewed and approaches to sensitivity and specificity are identified. The selection of these 12 chemicals from the Environmental Protection Agency list of genotoxic chemicals was based on the availability of information and on the availability of populations potentially suitable for molecular epidemiological study. The 12 chemicals include ethylene oxide, styrene, vinylchloride, epichlorohydrin, propylene oxide, 4,4'-methylene-bis-2-chloroaniline, benzidine, benzidine dyes (Direct Blue 6, Direct Black 38 and Direct Brown 95), acrylonitrile and benzyl chloride. While some of these chemicals (styrene and benzyl chloride, possibly Direct Blue 6) give rise to unique DNA adducts, others do not. Potentially confounding factors include mixed exposures in the work place, as well the formation of common DNA adducts. Additional research needs are identified. (Copyright (c) 1992 Elsevier Science Publishers B.V.)

Keywords: *DNA adducts, *Mutagens, Confounding factors, Epidemiology, Metabolism, Absorption, Carcinogens, DNA damage, Reprints.

PB92-227636/REB PC **A14**/MF **A03**
Status of Pesticides in Reregistration and Special Review (Rainbow Report).
Environmental Protection Agency, Washington, DC. Office of Pesticide Programs.
May 92, 318p EPA/700/R-92/004
See also PB92-190438.

The 'Status of Pesticides in Special Review and Reregistration' (also known as the 'Rainbow Report') lists those pesticides that are undergoing or have completed EPA's Special Review process, or the reregistration process mandated by FIFRA '88. It summarizes the current status of each pesticide.

Keywords: *Toxic substances, *Pesticides, Listings, Chemical compounds, Tables(Data), Toxicity, Registration status, Special review process, Reregistration.

PB92-227677/REB PC **A05**/MF **A01**
Environmental Protection Agency, Research Triangle Park, NC. Control Technology Center.
Control of VOC Emissions from Nonferrous Metal Rolling Processes.
Alliance Technologies Corp., Chapel Hill, NC.
Jun 92, 86p EPA/453/R-92/001
Contract EPA-68-D0-0121
Sponsored by Environmental Protection Agency, Research Triangle Park, NC. Control Technology Center.

The document was developed in response to increasing inquiries into the environmental impacts of nonferrous metal rolling processes that use oil as a lubricant and coolant in rolling operations. VOC emissions result from evaporative fugitive losses caused by heat generated in the rolling processes. The focus of the document is VOC emission control techniques used by copper and aluminum rolling mills. A control cost analysis is also provided for each of the control techniques addressed. The control techniques are: carbon adsorption, absorption, incineration, and lubricant substitution.

Keywords: *Air pollution control, *Volatile organic compounds, *Fugitive emissions, *Metal industry, Nonferrous metals, Metal working, Rolling, Incineration, Environmental chemical substitutes, Lubricants, Evaporation, Coolants, Absorption, Heat generation, Carbon adsorption.

PB92-227800/REB PC **A11**/MF **A03**
National Water Quality Inventory: 1990 Report to Congress.
Environmental Protection Agency, Washington, DC. Office of the Assistant Administrator for Water.
Apr 92, 242p EPA/503/9-92/006
See also PB91-145730.

Contents: Executive Summary; (Rivers and Streams, Lakes and Reservoirs, The Great Lakes, Estuaries and Coastal Waters, Wetlands, Public Health/Aquatic Life Concerns, Ground-Water Quality, State and Federal Ground-Water Protection Programs); Point Source Control Program; Nonpoint Source Control Program; Surface Water Monitoring; Costs and Benefits of Pollution Control; and State Recommendations.

Keywords: *United States government, *Inventories, *Water quality, Rivers, Lakes, Estuaries, Surface waters, Streams, Reservoirs, Acidity, Coasts, Public health, Ground water, Protection, Trends, Water pollution control, Standards, States(United States), Aquatic animals, Clean Water Act, Trophic level, Wetlands.

PB92-228048/REB PC **A04**/MF **A01**
U.S. EPA Nonpoint Source Information Exchange Computer Bulletin Board System (BBS). User's Manual.
Environmental Protection Agency, Washington, DC. Office of Wetlands, Oceans and Watersheds.
Jan 92, 70p EPA/503/8-92/002

The Nonpoint Source (NPS) Information Exchange Bulletin Board System (BBS) will provide state and

local agencies, private organizations, businesses, and concerned individuals with timely, relevant NPS information, a forum for open discussion, and the ability to exchange computer text and program files.

Keywords: *Nonpoint sources, *User manuals, *Information systems, *On-line systems, Information transfer, Document storage, Input/output routines, Guidelines, Information retrieval, *Bulletin Board System.

PB92-228436/REB PC **A05**/MF **A01**
Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.
Pollution Prevention Opportunity Assessment Histology Laboratory Xylene Use, Fort Carson, Colorado. Final rept.
Science Applications International Corp., Cincinnati, OH.
G. Wahl, and D. Stamm. Oct 92, 86p EPA/600/R-92/187
Contract EPA-68-C8-0062
See also PB90-256421. Prepared in cooperation with Versar, Inc., Springfield, VA. Sponsored by Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.

Under the WREAFS program, RREL has performed a waste minimization opportunity assessment (WMOA) at the Evans Community Hospital Histopathology Laboratory on the Ft. Carson Army Base, Colorado, in the area of waste xylene and ethyl alcohol contaminated with human tissue. The waste consists of a mixture of the two solvents, with xylene representing 0-100% and ethyl alcohol 0-50% of the waste at any given time. Xylene is one of the 17 Industrial Toxics Project (ITP) chemicals with over 200,000,000 pounds released in 1988, according to the TRI data. There are a number of known chemical substitutes for xylene, possessing varying degrees of performance efficiency. Distillation for reuse has been evaluated. In order to be more useful to larger Army hospitals, the report includes a section that sorts pollution prevention opportunities by the size of the wastestream.

Keywords: *Laboratories, *Waste minimization, *Hospitals, *Pollution abatement, Xylene, Solvents, Tissues(Biology), Performance evaluation, Prevention, Cost analysis, Assessments, Distillation, Chemicals, Waste recycling, Army hospitals.

PB92-230358/REB PC **A08**/MF **A02**
Environmental Protection Agency, Washington, DC. Office of Enforcement.
BEN: A Model to Calculate the Economic Benefit of Noncompliance. User's Manual.
Industrial Economics, Inc., Cambridge, MA.
1 Oct 92, 168p
Sponsored by Environmental Protection Agency, Washington, DC. Office of Enforcement.

The Agency developed the BEN computer model to calculate the economic benefit a violator derives from delaying or avoiding compliance with environmental statutes. In general, the Agency uses the BEN computer model to assist its own staff in developing settlement penalty figures. While the primary purpose of the BEN model is to calculate the economic benefit of noncompliance, the model may also be used to calculate the after tax net present value of a pollution prevention or mitigation project and to calculate 'cash outs' in Superfund cases. The document, the BEN User's Manual, contains all the formulas that make up the BEN computer model and is freely available to the public upon request.

Keywords: *Pollution abatement, *Computerized simulation, *Benefit cost analysis, *Penalties, *Standards compliance, Economic analysis, Pollution regulations, Superfund, Mitigation, Violations, Law enforcement, User manuals(Computer programs), Documentation, *BEN model, Settlements.

PB92-230366/REB PC **A08**/MF **A02**
Environmental Protection Agency, Washington, DC. Office of Enforcement.
ABEL. User's Manual.
Industrial Economics, Inc., Cambridge, MA.
1 Oct 92, 174p EPA-21E-2005
Sponsored by Environmental Protection Agency, Washington, DC. Office of Enforcement.

The manual provides step-by-step instructions for using the ABEL model. The model is a computer program designed to assist EPA in assessing a firm's ability to finance one or more of the following items: a civil penalty; new investments in pollution control equipment; and environmental clean-up costs.

Keywords: *Penalties, *Businesses, *Economic analysis, Fines(Charges), Reclamation, Costs, Pollution control equipment, Taxes, Administration, Documentation, *Environmental Protection Agency, Ability to pay.

PB92-231083/REB PC **A01**/MF **A01**
Protecting Endangered Species: Interim Measures, Wilson County, Tennessee.
Environmental Protection Agency, Washington, DC. Office of Pesticides and Toxic Substances.
Sep 90, 5p EPA-20T-3048

The information in the pamphlet is similar to what the U.S. Environmental Protection Agency (EPA) expects to distribute once our Endangered Species Protection Program is in effect. The Endangered Species Act is intended to protect and promote recovery of animals and plants that are in danger of becoming extinct due to the activities of people. The publication contains a County Map showing the area within the county where pesticide use should be limited to protect listed species.

Keywords: *Protection, *Endangered species, Pesticides, Law(Jurisprudence), Animals, Recovery, Wildlife, Utilization, Chemical compounds, Maps, Listings, Echinacea tennesseensis, Tennessee purple cornflower.

PB92-231091/REB PC **A01**/MF **A01**
Protecting Endangered Species: Interim Measures, Franklin County, Tennessee.
Environmental Protection Agency, Washington, DC. Office of Pesticides and Toxic Substances.
Sep 90, 5p EPA-20T-3047

The information in the pamphlet is similar to what the U.S. Environmental Protection Agency (EPA) expects to distribute once our Endangered Species Protection Program is in effect. The publication contains a County Map showing the area within the county where pesticide use should be limited to protect listed species. These areas are identified on the map by a shaded pattern. Each shaded pattern corresponds to a species in need of protection.

Keywords: *Endangered species, *Plants(Botany), *Protection, Environmental impacts, Pesticides, Fertilizers, Utilization, Chemical analysis, Recovery, Maps, *Franklin County(Tennessee), Endangered Species Act.

PB92-231109/REB PC **A01**/MF **A01**
Protecting Endangered Species: Interim Measures, Avery County, North Carolina.
Environmental Protection Agency, Washington, DC. Office of Pesticides and Toxic Substances.
Sep 90, 5p EPA-20T-3049

The information in the pamphlet is similar to what the U.S. Environmental Protection Agency (EPA) expects to distribute once our Endangered Species Protection Program is in effect. The publication contains a County Map showing the area within the county where pesticide use should be limited to protect listed species. These areas are identified on the map by a shaded pattern. Each shaded pattern corresponds to a species in need of protection. The Shading Key shows the name of the species that each shaded pattern represents and describes the shaded area.

Keywords: *Protection, *Endangered species, Pesticides, Maps, Labels, Plants(Botany), Recovery, Utilization, Animals, Endangered Species Act, Avery County(North Carolina), Solidago spithamaea, Blue Ridge goldenrod, Amitrole, Dazomet, EPTAM, Paraquat.

PB92-231117/REB PC **A01**/MF **A01**
Protecting Endangered Species: Interim Measures. Decatur County, Georgia.
Environmental Protection Agency, Washington, DC. Office of Pesticides and Toxic Substances.
Sep 90, 5p EPA/20T-3050

The Endangered Species Act is intended to protect and promote recovery of animals and plants that are in danger of becoming extinct due to the activities of people. The publication contains a County Map showing the area within the county where pesticide use should be limited to protect listed species. These areas are identified on the map by a shaded pattern. Each shaded pattern corresponds to a species in need of protection.

Keywords: *Protection, *Endangered species, Sites, Maps, Pesticides, Labels, Habitats, *Decatur(Georgia), Tarreya taxifolia, Taxaceae.

PB92-231125/REB PC **A05**/MF **A01**
Illinois State Environmental Protection Agency, Springfield. Div. of Water Pollution Control.
Volunteer Lake Monitoring Program, 1991. Volume 7. Southern Region. Annual rept.
Greater Egypt Regional Planning and Development Commission, Carbondale, IL.
D. B. Muir. Jun 91, 84p IEPA/WPC-92-110G
See also PB92-222876. Sponsored by Illinois State Environmental Protection Agency, Springfield. Div. of Water Pollution Control.

The report is Vol. VII of a series of 7 reports summarizing Illinois EPA's 1991 Illinois Volunteer Lake Monitoring Program (VLMP). It provides a summary of 1991 VLMP lakes in Southern Illinois a program overview, volunteer participation, and a ranking of lakes on a regional basis. Thirty-two volunteers recorded total depth, Secchi disc transparency, and field observations of 16 lakes in Southern Illinois between May and October, 1991.

Keywords: *Citizen participation, *Lakes, *Water pollution sampling, Surveys, Reviews, Depth, Transparence, Sites, Water quality, Collection methods, Volunteers, Trophic level, Southern Illinois Region.

PB92-231174/REB PC **A04**/MF **A01**
Radioactive Site Remediation Technologies Seminar. Speaker Slide Copies.
Environmental Protection Agency, Washington, DC. Office of Research and Development.
Jun 92, 69p EPA/540/K-92/001

Contents: Approaches to Sampling Radioactive Heterogeneous Waste; Soil Characterization Methodology for Determining Application of Soil Washing; VORCE(Volume Reduction/Chemical Extraction) Program; Treatment of Radioactive Compounds in Water; Polymer Solidification of Low-Level Radioactive, Hazardous, and Mixed Waste; In Situ Vitrification of Soils Contaminated With Radioactive and Mixed Wastes; Decontamination of Contaminated Buildings; Incineration of Radioactive Waste; In Situ Stabilization/Solidification With Cement-Based Grouts; Environmental Restoration and Waste Management; Removal of Contaminants From Soils by Electrokinetics; and Treatment, Compaction, and Disposal of Residual Radioactive Waste.

Keywords: *Hazardous materials, *Radioactive wastes, *Waste treatment, Mathematical models, Safety, Humans, Sites, Soils characterization, Polymers, Solidification, Low-level radioactive waste, Decontamination, Buildings, Incinerators, Stabilization, Waste management, Waste disposal, Electrokinetics, Soil washing.

PB92-231182/REB PC **A03**/MF **A01**
Pesticide Reregistration.
Environmental Protection Agency, Washington, DC. Office of Toxic Substances.
May 92, 19p EPA/700/K-92/004
See also PB92-154806 and PB92-224328.

Contents: Introduction; The Registration Standards Program; Accelerated Reregistration; What Does Reregistration Mean; List A Pesticides; List B, C, and D Pesticides; Overall Status of List A, B, C, and D Pesticides; Fees; Minor Uses and Reregistration; and References and Additional Information.

Keywords: *Guidelines, *Pesticides, Labels, Packaging, Hazardous materials, Agricultural products, Toxicity, Fees, Standards, Chemical analysis, Reregistration, Federal Insecticide Fungicide and Rodenticide Act.

PB92-231240/REB PC **A06**/MF **A02**
Suspended, Cancelled, and Restricted (SCR) Pesticides.
Environmental Protection Agency, Washington, DC. Office of Pesticides and Toxic Substances.
Feb 90, 115p EPA/20T-1002

The booklet has been compiled for the purpose of summarizing and clarifying actions taken by EPA for pesticides that the Agency has suspended, cancelled, or otherwise restricted because of concern for potentially adverse effects.

Keywords: *Utilization, *Pesticides, Regulations, Tolerances(Physiology), Registration, Guidelines, Removal, Sales, Legislation, Requirements, Pesticide residues, Restrictions, Chlorodane, Alar, Arsenic trioxide, Captan, Federal Insecticide Fungicide and Rodenticide Act.

PB92-231281/REB PC **A02**/MF **A01**
Guide for Conducting Treatability Studies under CERCLA: Soil Vapor Extraction. Quick Reference Fact Sheet.
Environmental Protection Agency, Washington, DC. Office of Solid Waste and Emergency Response.
Sep 91, 10p EPA/540/2-91/019B
See also PB92-224377.

Section 121(b) of CERCLA mandates EPA to select remedies that 'utilize permanent solutions and alternative treatment technologies or resource recovery technologies to the maximum extent practicable'. The fact sheet provides a summary of information to facilitate the planning and execution of soil vapor extraction (SVE) remedy screening and remedy selection treatability studies in support of the RI/FS and the remedial design/remedial action (RD/RA) processes. Detailed information on designing and implementing remedy screening and remedy selection treatability studies for SVE is provided in the 'Guide for Conducting Treatability Studies Under CERCLA: Soil Vapor Extraction,' Interim Guidance, EPA/540/2-91/019A, September 1991.

Keywords: *Hazardous materials, *Vapors, *Soil chemistry, *Waste treatment, Screening, Remedial action, Design criteria, Selection, Guidelines, Volatile organic compounds, Removal, Volume, Toxicity, Diagrams, Flow charts, Feasibility studies, Experimental design, Sampling, *Soil vapor extraction, CERCLA.

PB92-231299/REB PC **A02**/MF **A01**
Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.
Chemical Dehalogenation Treatability Studies under CERCLA: An Overview. Fact sheet.
IT Corp., Sharonville, OH.
G. McNelly. May 92, 10p EPA/540/R-92/013B
See also PB92-169275. Sponsored by Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.

The fact sheet provides a summary of information to facilitate the planning and execution of chemical dehalogenation treatability studies in support of the RI/FS process. Detailed information on these pre-ROD treatability studies is provided in the Guide for Conducting Treatability Studies Under CERCLA: Chemical Dehalogenation, EPA/540/R-92/013a, May 1992. The technology-specific guide was designed to be used in conjunction with the final generic Guide for Conducting Treatability Studies Under CERCLA, which provides general information on the planning and execution of pre- and post-ROD treatability studies. Although some information on post-ROD chemical dehalogenation testing is provided here, the focus of the fact sheet and the chemical dehalogenation guide is on pre-ROD treatability studies.

Keywords: *Hazardous materials, *Chemical analysis, *Waste treatment, Regional planning, Project planning, Tests, Guidelines, Agents, Soils, Sludge, Removal, Halogens, Chemical reactions, Decomposition, Desorption, Pesticides, Carbon tetrachloride, Chloroform, Effectiveness, Neutralizing, *Superfund, *Dehalogenation, Remedial action, Record of Decision, Alkaline polyethylene glycolate.

PB92-231307/REB PC **A05**/MF **A01**
Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.
Guide for Conducting Treatability Studies under CERCLA: Chemical Dehalogenation. Final Report. Fact sheet.
IT Corp., Sharonville, OH.
G. McNelly. May 92, 81p EPA/540/R-92/013A
Contract EPA-68-C9-0036
See also PB92-169044. Sponsored by Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.

Systematically conducted, well-documented treatability studies are an important component of the remedial investigation/feasibility study (RI/FS) process and the remedial design/remedial action (RD/RA) process under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). The guide describes a three-tiered approach for conducting treatability studies, which consists of (1) remedy screening, (2) remedy selection, and (3) remedial design/remedial action. The purpose of remedy-screening studies for chemical dehalogenation technologies is to determine if the technology is chemically feasible for the contaminants/matrix of concern. Remedial design/remedial action studies, which are performed post-ROD, provide detailed design and operating data necessary to scale up and implement the technology.

Keywords: *Waste management, *Hazardous materials, Guidelines, Soil contamination, Dehalogenation, Feasibility studies, Sludge, Sediments, Preparation, Sampling, Operations, Management, Experimental design, *Superfund, Remedial action.

PB92-231315/REB PC **A04**/MF **A01**
Retech, Inc., Plasma Centrifugal Furnace: Applications Analysis Report.
Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.
Jun 92, 53p EPA/540/A5-91/007
See also PB92-218791.

The document is an evaluation of the performance of the Retech, Inc. Plasma Centrifugal Furnace (PCF) and its applicability as a treatment for soils contaminated with organic and/or inorganic compounds. Both the technical and economic aspects of the technology were examined. A demonstration of the Retech furnace was conducted under the SITE Program at the Department of Energy's Component Development and Integration Facility in Butte, MT. Operational data, along with sampling and analysis information, were carefully compiled to establish a data base against which other available data, as well as the vendor's claims for the technology, have been compared and evaluated. The following were derived mainly from the results of the Demonstration Tests and supported by other available data: (1) the treated soil did not leach any RCRA metals at levels above the regulatory limits; (2) the process achieved a Destruction and Removal Efficiency (DRE) of greater than 99.99% for the Principal Organic Hazardous Constituent (POHC), hexachlorobenzene.

Keywords: *Hazardous materials, *Waste treatment, *Soils, *Furnaces, Economic factors, Tests, Metals, Leaching, Removal, Performance evaluation, Encapsulation, Air pollution control, Particles, Reduction, Regulations, Toxicology, Comparison, Incinerators, Plasma centrifugal furnace.

PB92-231356/REB PC **A06**/MF **A02**
Application of Dye-Tracing Techniques for Determining Solute-Transport Characteristics of Ground Water in Karst Terranes.
Environmental Protection Agency, Atlanta, GA. Region IV.
D. S. Mull, T. D. Liebermann, J. L. Smoot, and L. H. Woosley. Oct 88, 117p EPA/904/6-88/001
Prepared in cooperation with Geological Survey, Louisville, KY. Water Resources Div.

Approximately 20% of the United States is underlain by karst aquifers. This approximation includes roughly 50% of both Kentucky and Tennessee, substantial portions of northern Georgia and Alabama, and parts of other Region IV states. The prevalence of karst aquifers in the southeast, the common use of karst aquifers as drinking water sources and the vulnerability of these aquifers to contamination highlighted the need to provide a mechanism to assist in ground-water management and protection in karst terranes. In an attempt to meet this need, the U.S. Environmental Protection Agency (EPA)--Region IV and the Kentucky District of the U.S. Geological Survey (USGS), have been cooperating to document the application of dye tracing techniques and concepts to ground-water protection in karst aquifers. These efforts have resulted in the preparation of the manual. The information presented herein should be viewed as another analytical 'tool' to assist in the management and protection of karst water supplies.

Keywords: *Tracer techniques, *Water management, *Karst hydrology, *Ground water, *Water pollution, Aquifers, Water flow, Environmental transport, Hydrogeology, Potable water, Dye dispersion, Computerized simulation, Base flow, EPA region 4.

PB92-231489/REB PC **A07**/MF **A02**
Environmental Protection Agency, Washington, DC. Office of the Assistant Administrator for Water.
Biological Criteria: Guide to Technical Literature.
Battelle, Arlington, VA.
Jul 91, 138p EPA/440/5-91/004
Contract EPA-68-03-3534
See also PB92-231513. Sponsored by Environmental Protection Agency, Washington, DC. Office of the Assistant Administrator for Water.

This document serves as a general technical reference source for publications pertinent to the development of biological criteria. The references listed discuss methods and procedures appropriate to the development of biocriteria in streams and rivers, lakes and reservoirs, estuaries and near coastal areas, and wetlands.

Keywords: *Water quality, *Surface waters, *Coastal regions, *Aquatic ecosystems, *Water pollution effects, *Technical writing, Biological effects, *Guidelines, Water pollution standards, Freshwater, Habitats, Salt water, Estuaries, Wetlands, Assessments, Environmental monitoring, *Biological criteria.

PB92-231497/REB PC **A04**/MF **A01**
Biological Criteria: National Program Guidance for Surface Waters.
Environmental Protection Agency, Washington, DC. Office of the Assistant Administrator for Water.
Apr 90, 61p EPA/440/5-90/004
See also PB92-231505.

The document provides guidance for development and implementation of narrative biological criteria. This is part of a new priority for the development of biological water quality criteria. This effort will help States and EPA achieve the objectives of the Clean Water Act set forth in Section 101 and comply with statutory requirements under Sections 303 and 304.

Keywords: *Surface waters, *Water pollution effects, *Water quality, *Aquatic ecosystems, *Guidelines, Water pollution standards, Clean Water Act, State programs, US EPA, Pollution regulations, Implementation, Biological effects, *Biological criteria.

PB92-231505/REB PC **A09**/MF **A02**
Proceedings of a Symposium: Biological Criteria Research and Regulation. Held in Arlington, Virginia on December 12-13, 1990.
Environmental Protection Agency, Washington, DC. Office of the Assistant Administrator for Water.
1991, 179p* EPA/440/5-91/005
See also PB92-231489.

This document was compiled from presentations made at the symposium. It addresses a variety of concerns over biological criteria, case studies, and ways to implement ecological criteria.

Keywords: *Water quality, *Meetings, *Water pollution effects, *Aquatic ecosystems, Case studies, Environmental monitoring, Regulations, Research, Freshwater, Oceans, Water pollution standards, Implementation, Bioindicators, Aquatic biology, Marine biology, Toxicity, Fishes, Sediments, *Biological criteria.

PB92-231513/REB PC **A03**/MF **A01**
Biological Criteria: State Development and Implementation Efforts.
Environmental Protection Agency, Washington, DC. Office of the Assistant Administrator for Water.
Jul 91, 46p EPA/440/5-91/003
See also PB92-231497.

States are showing increasing interest in developing biological criteria as part of their water quality programs. Some have already instituted biological criteria to support their State standards. To encourage adoption of biological criteria throughout the country, the U.S. Environmental Protection Agency (EPA) is providing both program and technical guidance for the development and implementation of State programs. This document presents the most recent review of biological criteria development in each of the 50 States (plus the District of Columbia, Puerto Rico, and the Virgin Islands). A total of 31 State biomonitoring organizations are actively involved in the research, development, or implementation of biological criteria. This document includes five case studies on States with the most active biological criteria programs--Ohio, Maine, North Carolina, Florida, and Arkansas--and seven case summaries on States with substantial experience in biological criteria--Texas, Connecticut, Vermont, New York, Nebraska, Delaware, and Minnesota.

Keywords: *Aquatic ecosystems, *State programs, *Water pollution effects, *Biological effects, *Water quality, Case studies, Clean Water Act, Risk assessment, Environmental monitoring, Toxicology, Water pollution standards, Environmental protection, Bioindicators, State implementation plans, Aquatic biology, *Biological criteria.

PB92-231521/REB PC **A08**/MF **A02**
Briefing Report to the EPA Science Advisory Board on the Equilibrium Partitioning Approach to Generating Sediment Quality Criteria.
Environmental Protection Agency, Washington, DC. Criteria and Standards Div.
D. M. DiToro. Apr 89, 157p EPA/440/5-89/002

The report has been prepared to assist the EPA Science Advisory Board with its evaluation of the Equilibrium Partitioning method for generating sediment quality criteria. Sediment quality criteria as used in the report refer to numerical values for individual chemicals that are applicable across the range of sediments encountered in practice. They are intended to be predictive of biological effects and protective of the presence and uses of benthic organisms.

Keywords: *Sediments, *Water quality management, Evaluation, Biological indicators, Protection, Benthos, Microorganisms, Chemicals, Partitioning method.

PB92-231539/REB PC **A04**/MF **A01**
Consumption Surveys for Fish and Shellfish. A Review and Analysis of Survey Methods.
Environmental Protection Agency, Washington, DC. Office of the Assistant Administrator for Water.
Feb 92, 59p EPA/822/R-92/001

The document is a critical analysis of methodologies which have been used to obtain fish consumption rates in recreational and subsistence fishers.

Keywords: *Food consumption, *Fishes, Surveys, Recreation, Subsistence, Rates(Per time), Shellfish, Quality assurance, Statistical analysis.

PB92-231547/REB PC **A07**/MF **A02**
Contaminated Sediments: Relevant Statutes and EPA Program Activities.
Environmental Protection Agency, Washington, DC. Sediment Oversight Technical Committee.
M. Kravitz. Dec 90, 149p EPA/506/6-90/003
Portions of this document are not fully legible.

The report is a reference document that lists contaminated sediment issued and the specific statutes under which they fall. A table containing major laws or agreements relevant to sediment quality issues is included.

Keywords: *Statutes, *Water pollution, *Sediments, Contamination, Law(Jurisprudence), Agreements, Quality control.

PB92-231562/REB PC **A13**/MF **A03**
Development Document for Interim Final and Proposed Effluent Limitations Guidelines and Proposed New Source Performance Standards for the Bleached Kraft, Groundwood, Sulfite, Soda, Deink, and Non-Integrated Paper Mills. Point Source Category. Volume 2. Sections 8 - 15.
Environmental Protection Agency, Washington, DC. Effluent Guidelines Div.
Jan 76, 296p EPA/440/1-76/047A
See also PB89-238166, PB89-238174 and PB92-231869.

This is a discussion of the technical rationale for effluent limitations guidelines Bleached Kraft, Groundwood, Sulfite, Soda, De-ink and Non-Integrated Paper Mills Point Source Category and the control and treatment technologies which form the bases for these guidelines.

Keywords: *New source performance standards, *Water pollution standards, *Paper industry, *Waste treatment, Guidelines, Point sources, Clean Water Act, Water pollution control, Standards compliance, Pollution regulations, Pulping, Paperboards, Cost analysis, Pretreatment processes.

PB92-231570/REB PC **A05**
Environmental Protection Agency, Washington, DC. Monitoring and Data Support Div.
Dynamic Toxics Wasteload Allocation Model (DINTOX). User's Manual.
Limno-Tech, Inc., Ann Arbor, MI.
13 Sep 85, 86p
Contract EPA-68-03-3131
Portions of this document are not fully legible. Sponsored by Environmental Protection Agency, Washington, DC. Monitoring and Data Support Div.

This is a user's manual that explains how to use the DYNTOX water quality model. It is designed for use in allocating wastewater discharges of toxic substances among multiple discharges. Three simulation techniques are used to calculate the frequency and severity of instream toxicity at different discharge levels.

Keywords: *Water quality, *Water pollution standards, *Computerized simulation, User manuals, Waste water, Toxic substances, State programs, Pollution regulations, *Dynamic Toxics Wasteload Allocation Model.

PB92-231588/REB PC **A03**/MF **A01**
EPA's Review and Approval Procedure for State Submitted TMDLs/WLAs.
Environmental Protection Agency, Washington, DC. Monitoring and Data Support Div.
Mar 86, 31p

The step-by-step procedure outlined in the guidance addresses the administrative (i.e., non-technical) aspects of developing Total Maximum Daily Loads and Wasteload Allocations and submitting them to EPA for review and approval. It includes questions and answers to focus on key issues, pertinent sections of the Water Quality Management regulations and the Clean Water Act, and examples of correspondence.

Keywords: *Allocations, *Waste disposal, *Regional planning, Prototype, Guidelines, State government, Improvement, Water quality management, Standards, *Organic loading, Total maximum daily loads, Clean Water Act.

PB92-231604/REB PC **A03**/MF **A01**
Guidance for State Implementation of Water Quality Standards for CWA Section 303(C)(2)(B).
Environmental Protection Agency, Washington, DC. Office of Water Regulations and Standards.
Dec 88, 24p
See also PB92-231695.

The guidance addresses the adoption of toxics criteria in water quality standards pursuant to new section 303(c)(2)(B) of the Clean Water Act (CWA), as added by the Water Quality Act of 1987 (WQA). The guidance pertains to toxic pollutants listed pursuant to Section 307(a) of the Clean Water Act (CWA). EPA is proposing that a State may meet these requirements in the law in one of three scientifically and technically sound ways (or some combination thereof). The options are discussed.

Keywords: *Water quality standards, *Clean Water Act, *Water pollution standards, *State implementation plans, Guidelines, Toxic substances, Water pollution abatement, Criteria, Requirements, Pollution regulations.

PB92-231612/REB PC **A04**/MF **A01**
Guidance for State Water Monitoring and Wasteload Allocation Programs.
Environmental Protection Agency, Washington, DC. Monitoring and Data Support Div.
Oct 85, 53p EPA/440/4-85/031
See also PB85-185702.

The guidance is for use by States and EPA Regions in developing annual work programs undersections 106 and 205 of the Clean Water Act. The first part of the document outlines the objectives of the water monitoring program to conduct assessments and make necessary control decisions. The second part describes the process of calculating total maximum dailyloads and waste load allocations for point and nonpoint sources of pollution.

Keywords: *Water pollution sampling, *Water pollution standards, *Water quality, Clean Water Act, Water pollution control, Point sources, Non-point sources, Assessments, Decision making, State programs, Regional analysis, *Total maximum daily loads, *Waste load allocations.

PB92-231620/REB PC **A04**/MF **A01**
Guidance for Water Quality-Based Decisions: The TMDL Process.
Environmental Protection Agency, Washington, DC. Office of the Assistant Administrator for Water.
Apr 91, 63p EPA/440/4-91/001

The document defines and clarifies the requirements under Section 303(d) of the Clean Water Act. Its purpose is to help State water quality program managers understand the application of total maximum daily loads (TMDLs) through and integrated, basin-wide approach to controlling point and nonpoint source pollution. The document describes the steps that are involved in identifying and prioritizing impaired waters and developing and implementing TMDLs.

Keywords: *Water quality management, *Water pollution standards, *Guidelines, Clean Water Act, Point sources, Nonpoint sources, State programs, Implementation, Water pollution control, Reviews, Requirements, Decision making, *Total maximum daily loads.

PB92-231638/REB PC **A04**/MF **A01**
Guidance Manual for Pulp, Paper, and Paperboard and Builders' Paper and Board Mills Pretreatment Standards.
Environmental Protection Agency, Washington, DC. Effluent Guidelines Div.
Jul 84, 51p
See also PB83-163949 and PB92-231562.

The National Pretreatment Program establishes an overall strategy for controlling the introduction of nondomestic wastes to publicly owned treatment works (POTWs) in accordance with the overall objectives of the Clean Water Act. The manual will provide guidance to POTWs on the application and enforcement of the Categorical Pretreatment Standards for the Pulp, Paper and Paperboard and Builders' Paper and Board Mills Point Source Categories. Twenty-four of the 25 subcategories of the pulp, paper, and paperboard industry uses BAT, NSPS, PSES and PSNS limitations to control toxic pollutants.

Keywords: *Water pollution standards, *Paper industry, *Waste treatment, *New source performance standards, Point sources, Guidelines, Manuals, Pulping, Paperboards, Waste disposal, Water pollution control, Standards compliance, Pollution regulations, Clean Water Act, Best technology, *Pretreatment processes, Pretreatment Standards for Existing Sources, Publicly owned treatment works.

PB92-231646/REB PC **A03**/MF **A01**
Introduction to Water Quality Standards.
Environmental Protection Agency, Washington, DC. Office of Water Regulations and Standards.
Sep 88, 33p EPA/440/5-88/089
See also PB87-226759.

In response to widespread public concern about the condition of the Nation's waters, the U.S. Congress enacted landmark legislation in 1972. Successive amendments to the CWA of 1972 (the Clean Water Act of 1977 and the Water Quality Act of 1987) have brought about stronger environmental laws to protect

the Nation's waters, one of it's most valuable resources. The water quality standards program is one of the cornerstones of the CWA. Through the program, the States set water quality standards for waters within their jurisdictions. Water quality standards define a use for a waterbody and describe the specific water quality criteria to achieve that use. Water quality standards also contain antidegradation policies designed to protect improvements in water quality. The publication explains key features of the water quality standards program, in question and answer format, and is intended to provide general information to the public about the program.

Keywords: *Water quality standards, *Water pollution standards, *Public information, *Information transfer, Clean Water Act, Environmental protection, Water pollution abatement, Criteria, State programs, Pollution regulations.

PB92-231653/REB PC **A04**/MF **A01**
Managing Contaminated Sediments. EPA Decision-Making Processes.
Environmental Protection Agency, Washington, DC. Sediment Oversight Technical Committee.
Dec 90, 72p EPA/506/6-90/002

The document identifies EPA's current decision-making process (across relevant statutes and programs) for assessing and managing contaminated sediments, including location and assessment, prevention and source controls, remediation, treatment and removal.

Keywords: *Sediments, *Water pollution, Decision making, Sites, Assessments, Pollution control, Prevention, Sources, Waste treatment, Waste disposal, Remediation.

PB92-231661/REB PC **A03**/MF **A01**
Reference Guide to Water Quality Standards for Indian Tribes.
Environmental Protection Agency, Washington, DC. Office of the Assistant Administrator for Water.
Jan 90, 45p EPA/440/5-90/002

An overview of the water quality standards program presented primarily for Indian Tribes wishing to qualify as States for the program.

Keywords: *Water pollution standards, *American Indians, States(United States), Guidelines, Programs.

PB92-231679/REB PC **A13**/MF **A03**
Sediment Classification Methods Compendium. Draft final rept.
Environmental Protection Agency, Washington, DC. Sediment Oversight Technical Committee.
Jun 89, 294p

Sediment management issues are of importance to many programs within the U.S. Environmental Protection Agency (EPA). The ability to assess sediment quality in a technically reliable and legally defensible manner is necessary for effective sediment management. The goal of these committees is to facilitate decisions made at various stages in the management process such as assessing sediment contamination, deciding on the need for and type of management action, and evaluating types of remediation. The document, prepared by the Sediment Oversight Technical Committee, describes the various methods used to assess sediment quality.

Keywords: *Classifying, *Sediments, *Water quality management, Quality, Assessments, Standards, Toxicity, Contamination, Concentration(Composition), Monitoring, Licenses, Chemicals, Discharge(Water), Cleanup.

PB92-231687/REB PC **A04**/MF **A01**
Special Interest Group (SIG) Forum for Fish Consumption Risk Management. User's Manual, v.1.0: A Division of the Nonpoint Source Information Exchange Computer Bulletin Board System (NPS BBS).
Environmental Protection Agency, Washington, DC. Office of the Assistant Administrator for Water.
Feb 92, 71p EPA/822/B-91/001

The user's manual describes various features of the Special Interest Group (SIG) Forum for fish consumption advisories, bans, and risk management. The manual explains how to access the SIG and use its data bases, messages, bulletins, and other computer files.

Keywords: *Water pollution, *Fishes, *Food consumption, *Symposia, Manuals, Risk assessments, Management, Software, Telecommunications, Modem, Data bases, Automation, Non point source.

PB92-231695/REB PC **A05**/MF **A01**
Status Report: State Compliance with CWA Section 303(c)(2)(B) as of February 4, 1990.
Environmental Protection Agency, Washington, DC. Office of Water Regulations and Standards.
1992, 88p
See also PB92-231604.

The principal objective of the report is to characterize State efforts to adopt numerical water quality criteria for the Clean Water Act (CWA) Section 307(a) pollutants. Such efforts are required by CWA Section 303(c)(2)(B), which was added as part of the CWA amendments of 1987. The information presented in the report is current as of February 4, 1990. The report updates and replaces the report 'State Numerical Water Quality Criteria for Toxics as of August, 1989.' In preparing the report, emphasis has been placed on: preparing a preliminary assessment of State compliance with the requirements of CWA Section 303(c)(2)(B), and characterizing the status of all criteria 'expected' to be adopted during the current review cycle.

Keywords: *Water quality standards, *Water pollution standards, *Pollution regulations, *Toxic substances, Criteria, Standards compliance, Requirements, Law enforcement, US EPA, Surface waters.

PB92-231703/REB PC **A08**/MF **A02**
Summary of Available Information on the Levels and Control of Toxic Pollutants Discharges in the Printing and Publishing. Point Source Category.
Environmental Protection Agency, Washington, DC. Effluent Guidelines Div.
Oct 83, 152p EPA/440/1-83/400

The document presents the findings of a study of the printing and publishing point source category. The information presented supports the determinations that uniform national effluent limitations reflecting the best available technology economically achievable, new source performance standards, and pretreatment standards for new and existing sources are not appropriate for six subcategories of the printing and publishing point source category. The report summarizes data gathering efforts, industry subcategorization, water usage information, toxic pollutant discharge data, and control and treatment technologies employed in the printing and publishing industry.

Keywords: *Printing, *Publishing, *Toxic substances, Standards, National government, Sources, Toxicity, Waste treatment, Utilization, Water supply, Best available technology, Pretreatment(Wastes).

PB92-231729/REB PC **A05**/MF **A01**
Technical Guidance Manual for Performing Waste Load Allocations. Book 3: Estuaries. Part 1: Estuaries and Waste Load Allocation Models.
Environmental Research Lab., Athens, GA. Center for Exposure Assessment Modeling.
R. B. Ambrose, and J. L. Martin. May 90, 83p EPA/823/R-92/002
See also PB92-231737, PB92-231745 and PB92-231752.

The document provides technical information and policy guidance for allocating wastewater discharges among multiple dischargers in estuarine waters. It summarizes the important water quality problems, estuarine characteristics, and the simulation models available for addressing these problems.

Keywords: *Waste disposal, *Water pollution control, *Water quality standards, *Estuaries, *Mathematical models, *Water flow, Waste water, Sewage disposal, Computerized simulation, Hydrology, Streamflow, Environmental transport, Water allocation(Policy), Manuals, Guidelines, Environmental protection, Toxic substances.

PB92-231737/REB PC **A06**/MF **A02**
Technical Guidance Manual for Performing Waste Load Allocations. Book 3: Estuaries. Part 2: Application of Estuarine Waste Load Allocation Models.
Environmental Research Lab., Athens, GA. Center for Exposure Assessment Modeling.
May 90, 114p EPA/823/R-92/003
See also PB92-231729, PB92-231745 and PB92-231752. Prepared in cooperation with AScI Corp., Athens, GA., and Limno-Tech, Inc., Ann Arbor, MI.

The document provides a guide to monitoring and mathematical model calibration and testing, and a case study tutorial on simulation of problems in simplified estuarine systems.

Keywords: *Water pollution control, *Waste disposal, *Water quality standards, *Estuaries, *Mathematical models, *Water flow, Waste water, Sewage disposal, Guidelines, Manuals, Water allocation(Policy), Toxic substances, Computerized simulation, Case studies, Environmental monitoring, Hydrology, Calibrating, Environmental protection.

PB92-231745/REB PC **A03**/MF **A01**
Technical Guidance Manual for Performing Waste Load Allocations. Book 3: Estuaries. Part 3: Use of Mixing Zone Models in Estuarine Waste Load Allocations. Draft rept.
Environmental Protection Agency, Washington, DC. Office of the Assistant Administrator for Water.
R. B. Ambrose, and J. L. Martin. Sep 90, 46p
See also PB92-231729, PB92-231737 and PB92-231752. Prepared in cooperation with Cornell Univ., Ithaca, NY. DeFrees Hydraulics Lab., and AScI Corp., Athens, GA.

The document summarizes initial dilution and mixing zone processes and their application in allocating wastewater discharges among multiple dischargers. It provides a basis for understanding the concept of mixing zones and the base modeling framework for computing mixing zone boundaries.

Keywords: *Water pollution control, *Water quality standards, *Waste disposal, *Estuaries, *Mathematical models, *Water flow, Streamflow, Mixing, Water allocation(Policy), Sewage disposal, Environmental protection, Thermal effluents, Waste water, Manuals, Guidelines, Environmental transport, Toxic substances, Hydrology.

PB92-231752/REB PC **A04**/MF **A01**
Technical Guidance Manual for Performing Waste Load Allocations. Book 3: Estuaries. Part 4: Critical Review of Estuarine WLA Modeling. Draft rept.
Environmental Research Lab., Athens, GA. Center for Exposure Assessment Modeling.
R. B. Ambrose, P. L. Freedman, D. W. Dilks, and B. A. Monson. Aug 90, 72p
Prepared in cooperation with LTI, Ann Arbor, MI.

The document summarizes several historical case studies, with critical review by noted experts.

Keywords: *Water pollution control, *Water quality standards, *Estuaries, *Mathematical models, *Waste disposal, *Water flow, Case studies, Guidelines, Manuals, Environmental transport, Reviews, Performance evaluation, Marine biology, Hydrology, Waste water, Runoff.

PB92-231760/REB PC **A14**/MF **A03**
Environmental Protection Agency, Washington, DC. Monitoring and Data Support Div.
Technical Guidance Manual for Performing Waste Load Allocations. Book 4. Lakes, Reservoirs and Impoundments. Chapter 3: Toxic Substances Impact. Final rept.
HydroQual, Inc., Mahwah, NJ.
Dec 86, 306p EPA/440/4-87/002
See also PB86-178928. Prepared in cooperation with Little (Arthur D.), Inc., Cambridge, MA. Sponsored by Environmental Protection Agency, Washington, DC. Monitoring and Data Support Div.

The chapter reviews the basic principles of chemical water quality modeling frameworks. The guidance includes discussion of assumptions and limitations of such modeling frameworks, as well as the type of information required for model application. Different levels

of model complexity are illustrated in step-by-step examples.

Keywords: *Chemical analysis, *Toxicity, *Water quality, *Reservoirs, Manuals, Models, Monitoring, Technical assistance, Wastes, Allocations, Lakes, Environmental transport, Concentration(Composition), Impoundments.

PB92-231778/REB PC **A04**/MF **A01**
Technical Guidance Manual for Performing Waste-load Allocation. Book 6. Design Conditions. Chapter 1: Stream Design Flow for Steady-State Modeling.
Environmental Protection Agency, Washington, DC. Office of the Assistant Administrator for Water.
29 Sep 86, 56p EPA/440/4-87/004

The purpose of this guidance is to describe and compare two methods that can be used to calculate stream design flows for any pollutant or effluent for which a two-number water quality criterion (WQC) for the protection of aquatic life is available. The two methods described are: the hydrologically-based design flow method recommended for interim use in the Technical Support Document for Water Quality-based Toxics Control; and a biologically-based design flow method that was developed by the Office of Research and Development of the U.S. EPA.

Keywords: *Water quality standards, *Streamflow, *Water pollution control, *Mathematical models, *Waste disposal, Manuals, Path of pollutants, Design criteria, Environmental protection, Aquatic biology, Hydrology, Guidelines, Water allocation(Policy), Biological effects, Toxic substances, Toxicity, Aquatic ecosystems.

PB92-231786/REB PC **A04**/MF **A01**
Technical Guidance Manual for Performing Waste Load Allocations: Simplified Analytical Method for Determining NPDES Effluent Limitations for POTWs Discharging into Low-Flow Streams.
Environmental Protection Agency, Washington, DC. Office of Water Regulations and Standards.
26 Sep 80, 63p
Portions of this document are not fully legible.

The document describes a simplified method for conducting waste load allocations (WLA) for relatively small municipal sewage treatment facilities discharging into low-flow streams, circumstances in which resources for analysis and data acquisition are relatively limited. The methodology, issued jointly by the Office of Water Regulations and Standards and the Office of Municipal Pollution Control, is subject to modifications as recommendations and/or more complete data become available. Thus, the method is recommended as an initial framework, subject to revision and site-specific considerations, for conducting simplified WLA's.

Keywords: *Water quality, *Water pollution standards, *Sewage disposal, *Mathematical models, Manuals, Water pollution control, Streamflow, Revisions, Pollution regulations, Guidelines, *National Pollutant Discharge Elimination System, *Waste load allocations, Publicly owned treatment works, Small systems.

PB92-231794/REB PC **A10**/MF **A03**
Technical Support Manual: Waterbody Surveys and Assessments for Conducting Use Attainability Analyses.
Environmental Protection Agency, Washington, DC. Office of Water Regulations and Standards.
Nov 83, 224p
See also PB92-231802.

The manual contains technical guidance prepared by EPA to assist States in implementing the revised Water Quality Standards Regulation. EPA prepared the document in response to requests by several States for additional guidance and detail on conducting use attainability analyses beyond that which is contained in Chapter 3 of the Water Quality Standards Handbook (December, 1983). Consideration of the suitability of a water body for attaining a given use is an integral part of the water quality standards review and revision process. This guidance is intended to assist States inanswering three central questions: (1) What are the aquatic protection uses currently being achieved in the water body; (2) What are the potential uses that can be attained based on the physical, chemical and biological characteristics of the water body; and (3) What are the causes of any impairment of the uses.

Keywords: *Water quality standards, *Water pollution standards, *Pollution regulations, *State implementation plans, Manuals, Biological effects, Water analysis, Chemical analysis, Assessments, Revisions, Surface waters, Aquatic ecosystems, Technology utilization, Environmental protection, Water pollution abatement, Physical properties, Guidelines, US EPA, Habitats.

PB92-231802/REB PC **A10**/MF **A03**
Technical Support Manual: Waterbody Surveys and Assessments for Conducting Use Attainability Analyses. Volume 3: Lake Systems.
Environmental Protection Agency, Washington, DC. Office of Water Regulations and Standards.
Nov 84, 202p
See also PB92-231877.

The current Manual, Volume III, focuses on the physical, chemical and biological phenomena of lakes and is presented so as not to repeat information that is common to other freshwater systems that already appears in one of the earlier volumes. Apart from the rare impoundment that is fed only by surface runoff or underground springs, rivers and lakes are linked physically and exhibit a transition from riverine habitat and conditions to lacustrine habitat and conditions. Because of this physical link, the biota of the lake will be essentially the same as the biota of the stream, although there are few species that are primarily lake species. Given the ties that exist between lake and stream under natural conditions, it is important that those who will be conducting lake use attainability studies refer to Volume I (PB92-231794) on rivers and streams for additional perspective.

Keywords: *Water quality standards, *Water pollution standards, *Lakes, *Pollution regulations, *State implementation plans, Manuals, Revisions, Assessments, Environmental surveys, Physical properties, Environmental protection, Water analysis, Chemical analysis, Water pollution abatement, Water pollution effects, Biological effects, Aquatic ecosystems, Habitats.

PB92-231810/REB PC **A11**/MF **A03**
Environmental Protection Agency, Washington, DC. Office of the Assistant Administrator for Water.
Proceedings of a National Conference: Water Quality Standards for the 21st Century. Held in Dallas, Texas on March 1-3, 1989.
JT and A, Inc., Washington, DC.
G. H. Flock. 1989, 241p
Contract EPA-68-C8-0052
Sponsored by Environmental Protection Agency, Washington, DC. Office of the Assistant Administrator for Water.

This is a summary of the proceedings from the first national Conference on Water Quality Standards held in Dallas, Texas, March 1-3, 1989. Topics addressed included: nonpoint sources and water quality standards, diversity and innovation in state standards programs, identification and control of toxic pollutants, setting human health standards, developments in sediment criteria, water quality standards and Indian tribes, lake protection through standards, development of biocriteria, criteria and advisory development by EPA: their deprivation and applications, implementing antidegradation, extending standards to wetlands, and water quality, quantity, and conservation.

Keywords: *Water quality standards, *Meetings, *Water pollution standards, Nonpoint sources, State programs, Standards, Toxic substances, US EPA, Sediments, Environmental protection, Water pollution abatement, Water pollution control, Public health, Implementation, Water conservation, Wetlands, American indians, Biological criteria.

PB92-231828/REB PC **A12**/MF **A03**
Environmental Protection Agency, Washington, DC. Office of the Assistant Administrator for Water.
Proceedings of a Conference: Water Quality Standards for the 21st Century. Held in Arlington, Virginia, on December 10-12, 1990.
JT and A, Inc., Washington, DC.
G. H. Flock. May 91, 255p
Contract EPA-68-03 3638
See also PB92-231810. Sponsored by Environmental Protection Agency, Washington, DC. Office of the Assistant Administrator for Water.

This is a summary of the proceedings from the second National Conference on Water Quality Standards, held December 10-12, 1990, in Arlington, Virginia. Topics addressed included: toxic pollutant criteria, sediment management strategy, industry's perspective on water quality standards, contaminated sediment assessment, wetland water quality standards, biological criteria, ammonia-chloride, coastal water quality standards, geographical targetin/Great Lakes initiative, barriers to implementing water quality standards, environmentalist perspective on water quality standards, and 1992 revisions to Clean Water Act.

Keywords: *Water quality standards, *Meetings, *Water pollution standards, Standards, Criteria, Sediments, Wetlands, Toxic substances, Biological effects, Coastal regions, Clean Water Act, Implementation, Great Lakes, Biological criteria.

PB92-231836/REB PC **A99**
Compilation of Water Quality Standards for Marine Waters.
Environmental Protection Agency, Washington, DC. Office of Water Regulations and Standards.
1982, 670p
Portions of this document are not fully legible.

The report is State-by-State listing of State designations of marine water quality standards required by Section 304(a)(6) of the Clean Water Act. The document identifies these standards, specific pollutants associated with such standards, and the particular waters to which such standards apply.

Keywords: *Water pollution standards, *Ocean environments, Classifying, States(United States), Requirements, Public health, Regulations, Utilization, Inland waterways, Recreational facilities, Mixing, Water analysis, Protection, Aquatic animals, Marine fishes, Clean Water Act, Listings, Water quality criteria.

PB92-231844/REB PC **A05**/MF **A01**
Technical Guidance on Supplementary Stream Design Conditions for Steady State Modeling.
Environmental Protection Agency, Washington, DC. Office of Water Regulations and Standards.
L. A. Rossman, K. Little, and R. Williams. Dec 88, 90p
Portions of this document are not fully legible.

Water Quality Standards for many pollutants are written as a function of ambient environmental conditions, such as temperature, pH or hardness. The document provides guidance on selecting values for these parameters when allocating wasteload dischargers among several dischargers using steady-state water quality models.

Keywords: *Water quality standards, *Environmental effects, *Water pollution standards, *Streams, *Mathematical models, Streamflow, Temperature, pH, Waste water, Hardness(Water), Guidelines, Steady state.

PB92-231851/REB PC **A12**/MF **A03**
Water Quality Standards Handbook.
Environmental Protection Agency, Washington, DC. Office of Water Regulations and Standards.
Dec 83, 257p

The Handbook contains the guidance prepared by EPA to assist States in implementing the revised Water Quality Standards Regulation (48 F.R. 51400, November 8, 1983). Changes in the Handbook may be made from time to time reflecting State/EPA experience in implementing the revised Regulation. The Handbook is organized to provide a general description of the overall standards setting process followed by information on general program administrative policies and procedures, and then a description of the analyses used in determining appropriate uses and criteria.

Keywords: *Water quality standards, *Water pollution standards, *State implementation plans, Handbooks, Water pollution abatement, Criteria, Pollution regulations, Guidelines, Reviews, Clean Water Act, US EPA, Administrative procedures, Environmental policy.

PB92-231869/REB PC **A20**/MF **A04**
Development Document for Interim Final and Proposed Effluent Limitations Guidelines and Proposed New Source Performance Standards for the Bleached Kraft, Groundwood, Sulfite, Soda, Deink and Non-Integrated Paper Mills. Volume 1. Segment of the Pulp, Paper, and Paperboard. Point Source Category. Group 1. Phase 2.
Environmental Protection Agency, Washington, DC. Effluent Guidelines Div.
Jan 76, 461p EPA/440/1-76/047A
See also PB92-231638.

This is a discussion of the technical rationale for effluent limitations guidelines for the Bleached Kraft, Groundwood, Sulfite, Soda, Deink, and Non-integrated Paper Mills Point Source Category, and the control and treatment technologies which form the basis for these guidelines.

Keywords: *New source performance standards, *Water pollution standards, *Paper industry, *Waste treatment, Guidelines, Point sources, Clean Water Act, Water pollution control, Standards compliance, Pollution regulations, Pulping, Paperboards, Pretreatment processes.

PB92-231877/REB PC **A09**/MF **A02**
Technical Support Manual: Waterbody Surveys and Assessments for Conducting Use Attainability Analyses. Volume 2: Estuarine Systems.
Environmental Protection Agency, Washington, DC. Office of Water Regulations and Standards.
1992, 191p
See also PB92-231794 and PB92-231802.

The document discusses the water quality review and revision process; general programmatic guidance on mixing zones, flow, and economic considerations; use attainability analyses; and site specific criteria. Technical guidance on conducting water body surveys and assessments was provided in the Technical Support Manual: Water Body Surveys and Assessments for Conducting Use Attainability Analyses (EPA, November 1983) in response to requests by several States for additional information. The Technical Support Manual essentially provides methods and tools for freshwater evaluations, but does not cover estuarine water bodies. The chapters presented in the volume address those considerations which are unique to the estuary. Those factors which are common to the freshwater and the estuarine system--chemical evaluations in particular, are not discussed in the volume. Thus it is important that those who will be involved in the water body survey should also consult the 1983 Technical Support Manual.

Keywords: *Water quality standards, *Water pollution standards, *Pollution regulations, *State implementation plans, *Estuarines, Manuals, Water pollution abatement, Guidelines, Environmental surveys, Salt water, Water pollution effects, Marine plants, Marine animals, Reviews, Revisions, Environmental protection, Aquatic ecosystems, Physical properties, Water analysis, Chemical analysis.

PB92-231893/REB PC **A03**/MF **A01**
JRB Associates, Inc., McLean, VA.
Cost-Effectiveness Analysis of Effluent Standards and Limitations for Battery Manufacturing.
Environmental Protection Agency, Washington, DC. Office of Analysis and Evaluation.
Feb 84, 50p
See also PB92-231901. Sponsored by JRB Associates, Inc., McLean, VA.

The document reports the results of a cost-effectiveness analysis of alternative water pollution control regulations of the battery manufacturing industry. These regulations include effluent limitations and standards based on best practical control technology currently available, best available technology economically achievable, and pretreatment standards for new sources. For each of these regulations, EPA has identified several pollution control options, each with different levels of pollution abatement and compliance cost. The analysis is a tool for evaluating the options.

Keywords: *Water pollution standards, *Cost effectiveness, *Electric batteries, New source performance standards, Pollution regulations, Water pollution abatement, Best technology, Performance standards, Water pollution control, Standards compliance, Clean Water Act, Pretreatment processes.

PB92-231901/REB PC **A08**/MF **A02**
JRB Associates, Inc., McLean, VA.
Economic Impact Analysis of Effluent Limitations and Standards for the Battery Manufacturing Industry.
Environmental Protection Agency, Washington, DC. Office of Water Regulations and Standards.
Jan 84, 173p EPA/440/2-84/002
See also PB92-231893. Sponsored by JRB Associates, Inc., McLean, VA.

The report identifies and analyzes the economic impacts of water pollution control regulations on the battery manufacturing industry. These regulations include effluent limitations and standards based on BPT (best practical control technology currently available), BAT (best available technology economically achievable), PSES (pretreatment standards existing sources), NSPS (new source performance standards), and PSNS (pretreatment standards new sources), that have been promulgated under authority of Sections 301, 304, 306, 307, 308, and 501 of the Federal Water Pollution Control Act, as Amended (the Clean Water Act). The primary economic impact variables of interest include price changes, plant closures, substitution effects, changes in employment, shifts in the balance of foreign trade, changes in industry profitability, structure, and competition, and impacts on small business.

Keywords: *Water pollution economics, *Water pollution standards, *Electric batteries, *Economic impacts, New source performance standards, Regulations, Water pollution abatement, Clean Water Act, Substitutes, Personnel management, International trade, Closures, Profits, Best technology, Pretreatment processes.

PB92-231919/REB PC **A05**/MF **A01**
Development Document for Interim Final Effluent Limitations Guidelines and Proposed New Source Performance Standards for the Calcium Carbide Segment of the Ferroally Manufacturing. Point Source Category. Group 1, Phase 2.
Environmental Protection Agency, Washington, DC. Effluent Guidelines Div.
Feb 75, 85p EPA/440/1-75/038

For the purpose of establishing effluent limitations and standards of performance for the calcium carbide industry, the industry has been categorized on the basis of the types of furnaces, air pollution control equipment installed, raw materials and water uses. The categories are as follows: Covered Calcium Carbide Furnaces with Wet Air Pollution Control Devices; and Other Calcium Carbide Furnaces.

Keywords: *New source performance standards, *Water pollution standards, *Waste treatment, *Calcium carbide, Guidelines, Waste disposal, Point sources, Furnances, Best technology, Ferroalloys, Air pollution control, Water pollution control.

PB92-231927/REB PC **A09**/MF **A03**
Guidance Document for Effluent Discharges from the Auto and Other Laundries. Point Source Category.
Environmental Protection Agency, Washington, DC. Effluent Guidelines Div.
Feb 82, 200p
Prepared in cooperation with Monsanto Co., Dayton, OH.

The document provides technical data which may be used to establish treatment requirements for the Auto and Other Laundries Point Source Category.

Keywords: *New source performance standards, *Water pollution standards, *Waste treatment, *Laundries, *Dry cleaning, Guidelines, Pollution regulations, Water pollution control, Waste disposal, Best technology, Point sources, National Pollutant Discharge Elimination System, Car washing.

PB92-231943/REB PC **A08**/MF **A02**
Guidance Development Document for Effluent Limitations Guidelines and New Source Performance Standards for the Concrete Products. Point Source Category.
Environmental Protection Agency, Washington, DC. Effluent Guidelines Div.
Feb 78, 168p EPA/440/1-78/090

The document presents the findings of a study of the concrete products industry for the purpose of providing guidance in determining best practicable control technology currently available, best available demonstrated control technology, and best available technology economically achievable. The effluent guidelines contained set forth the degree of effluent reduction attainable through the application of the technologies available to the industry.

Keywords: *New source performance standards, *Concrete products, *Water pollution standards, *Waste treatment, Guidelines, Construction industry, Point sources, Best technology, Water pollution control, Liquid wastes, Pollution regulations.

PB92-231950/REB PC **A11**/MF **A03**
Development Document for Interim Final Effluent Limitations Guidelines and Proposed New Source Performance Standards for the Explosives Manufacturing. Point Source Category. Group 2.
Environmental Protection Agency, Washington, DC. Effluent Guidelines Div.
Mar 76, 236p EPA/440/1-76/060J

This is a discussion of the technical rationale for effluent limitations guidelines for the Explosives Point Source Category, and the control and treatment technologies which form the basis for these guidelines.

Keywords: *New source performance standards, *Water pollution standards, *Waste treatment, *Explosives, Guidelines, Best technology, Pollution regulations, Water pollution control, Waste disposal, Point sources.

PB92-231968/REB PC **A14**/MF **A03**
Development Document for Interim Final Effluent Limitations Guidelines and Proposed New Source Performance Standards for the Raw Cane Sugar Processing. Segment of the Sugar Processing. Point Source Category. Group 1, Phase 2.
Environmental Protection Agency, Washington, DC. Effluent Guidelines Div.
Feb 75, 309p EPA/440/1-75/044
See also PB-238 147.

This is a discussion of the technical rationale for effluent limitations guidelines for the Sugar Processing-Raw Cane Sugar Processing Point Source Category, and the control and treatment technologies which form the basis for these guidelines.

Keywords: *New source performance standards, *Water pollution standards, *Waste treatment, *Food industry, Sugarcane, Guidelines, Water pollution control, Point sources, Waste disposal, Best technology, Pollution regulations.

PB92-231976/REB PC **A05**/MF **A01**
Method 1624: Volatile Organic Compounds by Isotope Dilution GCMS; Method 1625: Semivolatile Organic Compounds by Isotope Dilution GCMS.
Environmental Protection Agency, Washington, DC. Industrial Technology Div.
Jun 89, 79p

The document contains laboratory analytical methods for analysis of pollutants in aqueous and solid matrices. These methods employ isotope dilution gas chromatography and mass spectrometry to analyze the volatile compounds removed from a sample by purge and trap techniques, or extracted from a sample in methylene chloride by continuous liquid-liquid extraction.

Keywords: *Chemical analysis, *Environmental surveys, *Aqueous solutions, *Solids, Water pollution detection, Land pollution, Industrial wastes, Waste water, Waste management, Volatile organic compounds, Organic compounds, US EPA, Water pollution standards, Gas chromatography, Mass spectroscopy, Extraction, Isotope dilution, *EPA method 1624, *EPA method 1625.

PB92-231984/REB PC **A05**/MF **A01**
Development Document for Proposed Effluent Limitations Guidelines and Standards for Control of Polychlorinated Biphenyls in the Deink Subcategory of the Pulp, Paper and Paperboard. Point Source Category.
Environmental Protection Agency, Washington, DC. Effluent Guidelines Div.
Oct 82, 91p
See also PB89-238158.

This is a discussion of the technical rationale for effluent limitations guidelines for the segment of the Pulp, Paper and Paperboard Point Source Category, and the control and treatment technologies which form the basis for these guidelines.

Keywords: *Water pollution standards, *New source performance standards, *Waste treatment, *Paper industry, *Polychlorinated biphenyls, Guidelines, Point sources, Water pollution control, Waste disposal, Best technology, Pollution regulations, Deinking.

PB92-231992/REB PC **A06**/MF **A02**
Developmental Document for Effluent Limitations Guidelines and New Source Performance Standards for the Other Non-Fertilizer Phosphate Chemicals Segment of the Phosphate Manufacturing. Point Source Category. Group 1, Phase 2.
Environmental Protection Agency, Washington, DC. Effluent Guidelines Div.
Jun 76, 107p EPA/440/1-75/043A
Also available from Supt. of Docs. See also PB82-123530.

The document contains the results of a study carried out on the non-fertilizer phosphate chemical segment of the phosphate manufacturing point source category, for the purpose of developing effluent limitations guidelines, federal standards of performance, and pretreatment standards. The three main outputs from the study are: industry subcategorization, recommendations on effluent guidelines, and definition of treatment technology.

Keywords: *New source performance standards, *Water pollution standards, *Phosphate industry, *Waste treatment, Guidelines, Point sources, Cost analysis, Waste disposal, Best technology, Pollution regulations, Pretreatment processes.

PB92-232008/REB PC **A04**/MF **A01**
Supplement of Development Document Effluent Limitations, Guidelines New Source Performance Standards Reprint for the Renderer Segment of the Meat Products and Rendering. Point Source Category.
Environmental Protection Agency, Washington, DC. Effluent Guidelines Div.
Sep 78, 67p EPA/440/1-78/031E
See also PB-253 572.

The document presents the technical rationale for effluent limitations guidelines for the renderer segment of the Meat Products Processing and Rendering Point Source Category, and the control and treatment technologies which form the basis for these guidelines.

Keywords: *Water pollution, *Meat, *Food processing, Guidelines, Water pollution control, Standards, Performance evaluation, Point sources, Rendering.

PB92-232016/REB PC **A09**/MF **A02**
Development Document for Effluent Limitations. Guidelines for the Electrical and Electronic Components. Point Source Category. Phase 2.
Environmental Protection Agency, Washington, DC. Effluent Guidelines Div.
Dec 83, 176p EPA/440/1-84/075
See also PB83-199208.Portions of this document are not fully legible.

The document is a discussion of the technical rationale for effluent limitations guidelines for the Electrical and Electronic Components Point Source Category, and the control and treatment technologies which form the basis for these guidelines.

Keywords: *Water pollution standards, *Water pollution control, *Electronics industry, Pollution regulations, Guidelines, Point sources, Industrial waste treatment, Best technology, New source performance standards, Waste water, Cost analysis, Pretreatment processes.

PB92-232032/REB PC **A07**/MF **A02**
Development Document for Proposed Effluent Limitations Guidelines and Standards for the Shipbuilding and Repair. Point Source Category.
Environmental Protection Agency, Washington, DC. Effluent Guidelines Div.
Dec 79, 136p EPA/440/1-79/076B

The document contains a discussion of the technical rationale for effluent limitations guidelines for the Shipbuilding and Repair Point Source Category, and the control and treatment technologies which form the basis for these guidelines.

Keywords: *New source performance standards, *Water pollution standards, *Waste treatment, *Shipbuilding, *Repair shops, Marine engineering, Guidelines, Water pollution control, Waste disposal, Pollution regulations, Point sources, Best technology, National Pollutant Discharge Elimination System.

PB92-232040/REB PC **A12**/MF **A03**
Development Document for Effluent Limitations Guidelines and Standards for the Gum and Wood Chemicals Manufacturing. Point Source Category.
Environmental Protection Agency, Washington, DC. Effluent Guidelines Div.
Dec 79, 269p EPA/440/1-79/078B

The document presents the findings of an extensive study of the gum and wood chemicals industry for the purpose of developing effluent limitations for existing sources, standards of performance for new sources, and pretreatment standards for existing and new sources. Effluent limitations guidelines are set forth for the degree of effluent reduction attainable through the application of the best available technology economically achievable and the best conventional pollutant control technology.

Keywords: *New source performance standards, *Chemical industry, *Water pollution standards, *Waste treatment, Guidelines, Wood products, Gums, Point sources, Best technology, Waste disposal, Pollution regulations, Water pollution control, Pretreatment processes.

PB92-232057/REB PC **A11**/MF **A03**
Guide for the Application of Effluent Limitations Guidelines for the Petroleum Refining Industry.
Environmental Protection Agency, Washington, DC. Industrial Technology Div.
Jun 85, 248p
See also PB-238 612, PB83-172569 and PB89-238133.

The purpose of the document is to provide a consolidated source for current effluent limitation guidelines for the petroleum refining industry as of June 1985, and to explain the present status and applicability of the best available technology and best conventional technology levels of control for direct discharging petroleum industries.

Keywords: *New source performance standards, *Petroleum refining, *Water pollution standards, *Waste treatment, Pollution regulations, Guidelines, Best technology, Water pollution control, Waste disposal, Point sources, National Pollutant Discharge Elimination System.

PB92-232065/REB PC **A23**/MF **A04**
Development Document for Interim Final and Proposed Effluent Limitations Guidelines and New Source Performance Standards for the Fruits, Vegetables and Specialties. Segment of the Canned and Preserved Fruits and Vegetables. Point Source Category.
Environmental Protection Agency, Washington, DC. Effluent Guidelines Div.
Oct 75, 543p EPA/440/1-75/046

The document contains a discussion of the technical rationale for effluent limitations guidelines for the segment of the canned and preserved fruits and vegetables point source category, and the control and treatment technologies which form the basis for these guidelines.

Keywords: *New source performance standards, *Water pollution standards, *Food industry, *Waste treatment, Guidelines, Point sources, Fruits, Vegetables, Food processing, Best technology, Water pollution control, Waste disposal, Canning.

PB92-232149/REB PC **A03**/MF **A01**
Army Medical Research and Development Command, Fort Detrick, MD.
Health Advisory for Isopropyl Methylphosphonic Acid (IMPA). Final rept.
Environmental Protection Agency, Washington, DC. Office of the Assistant Administrator for Water.
J. M. Donohue, and W. C. Roberts. Aug 92, 46p
Sponsored by Army Medical Research and Development Command, Fort Detrick, MD.

The Health Advisory (HA) provides information on the health effects, analytical methodology and treatment technology that would be useful in dealing with Isopropyl Methylphosphonic Acid (IMPA) contamination of drinking water. Isopropyl Methylphosphonic Acid is classified as Group D, not classifiable as to human carcinogenicity; the category is for chemicals with inadequate human and animal evidence of carcinogenicity and for chemicals for which no data are available. Health Advisories describe nonregulatory concentrations of drinking water contaminants at which adverse health effects would not be anticipated to occur over specific exposure durations. The HAs, developed by the US Environmental Protection Agency, Office of Water (OW), are not legally enforceable Federal standards and are subject to change as new information becomes available. Health Advisories are developed for One-day, Ten-day, Longer-term and Lifetime exposures based on data describing noncarcinogenic end points of toxicity.

Keywords: *Potable water, *Water pollution effects(Humans), *Water quality, *Toxicology, Health hazards, Public health, Exposure, Water pollution effects(Animals), Carcinogenicity tests, Phosphorus inorganic compounds, Mutagenicity tests, Chemical spills, Exposure, Concentration(Composition), Risk assessment, Pharmacokinetics, *Phosphonic Acid/ propyl-methyl.

PB92-232156/REB PC **A07**/MF **A02**
Preliminary Data Summary for the Wood Preserving Segment of the Timber Products Processing Point Source Category.
Environmental Protection Agency, Washington, DC. Office of the Assistant Administrator for Water.
R. E. Williams. Sep 91, 134p EPA/440/1-91/023
See also PB-240 811

Summarizes most current information available regarding the discharge of wastewater by the wood preserving industry containing priority and nonpriority pollutants included on the 1987 Industrial Technology Division List of Analytes. Discusses the Agency's authority for conducting this study and the current regulatory status of the wood preserving industry. Presents estimates of industry raw waste pollutant loads based on information from the sampling episodes and control and treatment technologies that may be applicable to this industry.

Keywords: *Wood preservatives, *Water pollution standards, *Waste treatment, Guidelines, Wood products, Waste disposal, Point sources, Pollution regulations, Clean Water Act, New source performance standards, Best technology, US EPA, Assessments, Performance standards, Water pollution control, Pretreatment processes, Resource Conservation and Recovery Act.

PB92-232164/REB PC **A06**/MF **A02**
Common Synonyms: For Chemicals Listed Under Section 313 of the Emergency Planning and Community Right-to-Know Act.
Environmental Protection Agency, Washington, DC. Office of Pollution, Prevention, and Toxics.
Jun 92, 114p EPA/744/B-92/001
See also PB89-168843.

This glossary contains chemical names and their synonyms for substances covered by the reporting requirements of SARA Title III, section 313. The glossary was developed to aid in determining whether a facility manufactures, processes, or otherwise uses a chemical subject to section 313 reporting. These synonyms are available to the EPA through the public literature, primarily CAS Online. The glossary is divided into two parts. Part 1 is a listing by CAS registry number. Part 2 contains names and synonyms in an alphabetical listing.

Keywords: *Chemical compounds, *Environmental pollution, *Dictionaries, Listings, Toxic substances, *Chemical nomenclature, *Synonyms, Toxic Release Inventory, Emergency Planning and Community Right-to-Know Act, CAS registry number.

PB92-232172/REB PC **A05**/MF **A01**
Environmental Protection Agency, Washington, DC. Office of Administration and Resources Management.
Solid Waste Contract Negotiation Handbook.
Oregon Univ., Eugene. Bureau of Governmental Research and Service.
May 92, 91p EPA/220/B-92/004
See also PB92-231166. Sponsored by Environmental Protection Agency, Washington, DC. Office of Administration and Resources Management.

The Environmental Protection Agency has estimated that the United States generated 164 million tons of municipal solid waste in 1986, and that the amount is increasing at a rate of more than 1 percent annually. Landfills are reaching capacity and closing. The cost of disposing of waste is growing and local officials are concerned about how they will meet the challenge of managing solid waste. This handbook is designed to help local officials develop contracts with private companies and other governmental units that will protect the interests of the citizens in their communities. This handbook is based on information and analysis derived from a questionnaire survey of 160 local governments located in EPA Region X, plus selected other states; review and analysis of sample provisions from actual solid waste contracts and agreements; follow-up interviews with solid waste managers in several of the states and with responding local governments; and a review of the literature as well as state federal statutes and regulations.

Keywords: *Solid waste management, *Municipal wastes, *Handbooks, *Contract management, Local government, Public opinion, Surveys, State government, Regional analysis, Reviews, Pollution regulations, Questionnaires, US EPA, *Cooperative agreements, EPA region 10.

PB92-232198/REB PC **A03**/MF **A01**
Is Your Drinking Water Safe.
Environmental Protection Agency, Washington, DC. Office of the Assistant Administrator for Water.
Sep 91, 32p EPA/570/9-91/005

Most Americans believe their drinking water is the best in the world. Servicemen and their families, vacationers, tourists, and others who travel abroad know the familiar problems of unsafe drinking water. At home we scarcely give it a thought. We believe that the purity of our water can be depended upon. And usually we are right. But there are exceptions. In 1986, Congress updated the program to set mandatory guidelines for regulating key contaminants, require the monitoring of unregulated contaminants, establish benchmarks for water treatment technologies, bolster enforcement, and promote protection of ground water sources. The comprehensive program--and what it means to one's health--is the subject of the pamphlet.

Keywords: *Safety, *Drinking water, Public health, Law enforcement, Legislation, Regulations, Monitoring, Requirements, Ground water, Protection.

PB92-232206/REB PC **A03**/MF **A01**
Environmental Protection Agency, Research Triangle Park, NC. Air and Energy Engineering Research Lab.
Energy Use of Ice Making in Domestic Refrigerators. Final rept. Sep 90-Feb 92.
Lawrence Berkeley Lab., CA.
A. Meier. Aug 92, 20p EPA/600/R-92/158
Contract DE-AC03-76SF00098
Sponsored by Environmental Protection Agency, Research Triangle Park, NC. Air and Energy Engineering Research Lab., and Department of Energy, Washington, DC.

The report gives results of the development and testing of a procedure to measure the electrical consumption of ice making in domestic refrigerators. The Department of Energy (DOE) test procedure was modified to consider the energy used for ice making in conventional refrigerators and in those equipped with automatic ice makers. The procedure assumed that 500 g of ice per day would be produced. Using the new ice making test procedure and the existing DOE test (as a benchmark), four modern, efficient refrigerators equipped with automatic ice makers were tested for ice making energy use. The test showed that electricity consumption increased about 10% due to ice making. The test also confirmed the viability of establishing procedures for measuring energy use of specific loads and other activities related to domestic refrigerators.

Keywords: *Refrigerators, *Energy consumption, *Ice makers, Energy efficiency, Test methods, Ice formation, Refrigerating machinery, Cooling loads, Freezers, Pollution control, Energy conservation.

PB92-232214/REB PC **A04**/MF **A01**
Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.
Automated Aqueous Rotary Washer for the Metal Finishing Industry. Technology Evaluation Report.
Battelle, Columbus, OH.
A. R. Gavaskar, R. F. Olfenbuttel, J. A. Jones, and T. C. Fox. Aug 92, 70p EPA/600/R-92/188
Contract EPA-68-C0-0003
Prepared in cooperation with Connecticut Hazardous Waste Management Service, Hartford. Sponsored by Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.

Product quality, waste reduction, and economic issues involved in the use of an automated aqueous rotary washer in the metal finishing industry were evaluated in the study. The automated washer can be used for most metal parts that would ordinarily be cleaned by vapor degreasing, hand-aqueous washing, or alkaline tumbling. The automated washer had good potential to reduce waste, was economically viable, produced good product quality, and also avoided the vapor degreaser's use of perchlorethylene. When compared with hand-aqueous washing and alkaline tumbling, the automated washer used less chemicals. The payback period was about 7 years.

Keywords: *Metal finishing, *Pollution abatement, *Waste management, *Washers(Cleaners), Performance evaluation, Environmental chemical substitutes, Economic analysis, Quality assurance, Design criteria, Washing, Waste treatment, Degreasing, *Waste minimization, *Source reduction, *Rotary washers, Waste Reduction Innovative Technology Evaluation.

PB92-232222/REB PC **A07**/MF **A02**
Environmental Protection Agency. Cincinnati, OH. Risk Reduction Engineering Lab.
Contaminants and Remedial Options at Wood Preserving Sites.
Foster Wheeler Enviresponse, Inc., Edison, NJ.
G. Sudell, A. Selvakumar, and G. Wolf. Oct 92, 144p EPA/600/R-92/182
Contract EPA-68-C9-0033
Sponsored by Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.

The report will assist federal, state or private, site removal and remedial managers operating under Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), Resource Conservation and Recovery Act (RCRA), or state rules. It provides information that facilitates the selection of treatment technologies and services at wood preserving sites, in order to meet the regulations' acceptable levels of cleanliness. Within the context of the United States wood preserving industry, the reference identifies the sources and types of wood preserving contaminants, characterizes them, and defines their behavior in the environment. It addresses the goals in technology selection and describes the principal remedial options for contaminated wood preserving sites. It also considers ways to combine these options to increase treatment efficiency. Finally, this remedial aid provides a comprehensive bibliography, organized by its relevance to each section. to complement the information offered in these pages.

Keywords: *Wood preservatives, *Remedial action, *Waste treatment, *Pollution regulations, Pollution sources, Performance standards, State government, Environmental effects, Solidification, Stabilization, Biological treatment, Incineration, Implementation, Aromatic polycyclic hydrocarbons, Phenol/pentachloro, Creosote, Fire resistant coatings, *Cleanup operations, Soil washing, Remedial project managers, Potentially responsible parties.

PB92-232305/REB PC **A09**/MF **A02**
Environmental Protection Agency, Washington, DC. Office of Pollution, Prevention, and Toxics.
Evaporation Rate of Volatile Liquids. Final Report, Second Edition.
Pace Labs., Inc., Minneapolis, MN.
K. O. Braun, and K. J. Caplan. 11 Dec 89, 191p EPA/744/R-92/001
Contract EPA-68-D8-0112
Sponsored by Environmental Protection Agency, Washington, DC. Office of Pollution, Prevention, and Toxics.

The research was designed to determine whether the evaporation rate of a volatile liquid could be adequately predicted from its common 'handbook' properties over a narrow range of environmental conditions. An experimental apparatus to measure the evaporation rate under controlled conditions and nearly ideal presentation of the evaporation surface to the controlled airflow was developed. The evaporation rate for a base set of twelve chemicals from four classes of organic liquids was measured. The relevant physical properties of the liquids (e.g. vapor pressure, surface tension, viscosity, latent heat of evaporation, etc.) were correlated with the observed evaporation rate. Additional testing of water, n-butyl acetate, and three examples of low vapor pressure alcohols was then conducted. Predictive equations for the low vapor pressure alcohols were developed and presented for comparison with the base set of equations. The results were compared with other referenced methods. The error of prediction of the empirical equations for the range of conditions was generally less than + or - 12 percent, or generally less than + or - 20 percent, depending on which predictive equation was used.

Keywords: *Volatile organic compounds, *Evaporation, *Emission factors, Air pollution, Alcohols, Ketones, Aliphatic hydrocarbons, Aromatic hydrocarbons, Vapor pressure, Thermodynamic properties, Mathematical models, Graphs(Charts).

PB92-232339/REB PC **A03**/MF **A01**
Bioremediation Case Studies: An Analysis of Vendor Supplied Data. Final rept.
Environmental Protection Agency. Washington, DC. Office of Environmental Engineering and Technology Demonstration.
K. Devine. Mar 92, 38p EPA/600/R-92/043
Prepared in cooperation with DEVO Enterprises, Inc., Washington, DC.

The report provides users with reference information about 132 on-going and/or completed field applications and studies from 10 different biotechnology companies. About two-thirds of the cases were at full-scale clean-up level with the remainder at pilot or laboratory scale. The report does not contain information from all companies involved in bioremediation, only those companies who responded to a request for voluntary submission.

Keywords: *Biotechnology, *Businesses, Surveys, Field tests, Case studies, Prevention, Environmental impacts, Pollution control, Hazardous materials, Waste treatment, Bioremediation.

PB92-232347/REB PC **A12**/MF **A03**
Bioremediation Case Studies: Abstracts. Final rept.
Environmental Protection Agency. Washington, DC. Office of Environmental Engineering and Technology Demonstration.
K. Devine. Mar 92, 270p EPA/600/R-92/044
Prepared in cooperation with DEVO Enterprises, Inc., Washington, DC.

The report contains abstracts of 132 case studies of bioremediation technology applied to hazardous waste clean-up. It was prepared to compile bioremediation studies in a variety of locations and treating diverse contaminants, most of which were previously undocumented. All data are based on vendor-supplied information and there was no opportunity to independently confirm its accuracy. These 132 case studies, from 10 different biotechnology companies, provide users with reference information about on-going and/or completed field applications and studies. About two-thirds of the cases were at full-scale clean-up level with the remainder at pilot or laboratory scale. In 74 percent of the cases, soil was at least one of the media treated. Soil alone accounts for 46 percent of the cases. Petro-

leum-related wastes account for the largest contaminant with 82 cases. Thirty-one states are represented in the case studies.

Keywords: *Hazardous materials, *Waste treatment, *Abstracts, Biotechnology, Case studies, Petroleum products, Soils, Field tests, Laboratories, States(United States), Bioremediation, Cleanup.

PB92-232354/REB PC **A03**/MF **A01**
Fundamentals of Ground-Water Modeling. Ground Water Issue.
Robert S. Kerr Environmental Research Lab., Ada, OK.
J. Bear, M. S. Beljin, and R. R. Ross. Apr 92, 13p EPA/540/S-92/005
Prepared in cooperation with Technion - Israel Inst. of Tech., Haifa, and Cincinnati Univ., OH.

Ground-water flow and contaminant transport modeling has been used at many hazardous waste sites with varying degrees of success. Models may be used throughout all phases of the site investigation and remediation processes. Developing a better understanding of ground-water modeling has been identified as a concern for decision makers at hazardous waste sites. The ability to reliably predict the rate and direction of ground-water flow and contaminant transport is critical in planning and implementing ground-water remediations. The paper presents an overview of groundwater flow and contaminant transport modeling in saturated porous media.

Keywords: *Hazardous materials, *Ground water, *Water pollution, Mathematical models, Water flow, Decision making, Environmental transport, Saturation, Porosity, Remediation.

PB92-232362/REB PC **A02**/MF **A01**
Evaluation of Soil Venting Application. Ground Water Issue.
Robert S. Kerr Environmental Research Lab , Ada, OK.
D. C. DiGiulio. Apr 92, 9p EPA/540/S-92/004

The ability of soil venting to inexpensively remove large amounts of volatile organic compounds (VOCs) from contaminated soils is well established. However, the time required using venting to remediate soils to low contaminant levels often required by state and federal regulators has not been adequately investigated. Most field studies verify the ability of a venting system to circulate air in the subsurface and remove, at least initially, a large mass of VOCs. They do not generally provide insight into mass transport limitations which eventually limit performance, nor do field studies generally evaluate methods such as enhanced biodegradation which may optimize overall contaminant removal. Discussion is presented to aid in evaluating the feasibility of venting application.

Keywords: *Venting, *Soils, Volatile organic compounds, Circulation, Environmental transport, Regulations, Biodegradation, Optimization, Moisture content, Soil extraction.

PB92-232370/REB PC **A18**/MF **A04**
Direct/Delayed Response Project: Future Effects of Long-Term Sulfur Deposition on Stream Chemistry in the Mid-Appalachian Region of the Eastern United States.
Corvallis Environmental Research Lab., OR.
M. R. Church, P. W. Shaffer, K. W. Thornton, D. L. Cassell, and C. I. Liff. Oct 92, 410p EPA/600/R-92/186
See also PB86-178118. Prepared in cooperation with ManTech Environmental Technology, Inc., Corvallis, OR., FTN Associates, Little Rock, AR., Oak Ridge National Lab., TN., and Pacific Northwest Forest and Range Experiment Station, Corvallis, OR. Forestry Sciences Lab.

The report clearly indicates the potential for current and future adverse effects of sulfur deposition on stream chemistry in the Mid-Appalachian Region. Results of the work indicate that the Mid-Appalachian Region is in a period of transition. Some watersheds still maintain the ability to retain sulfur and thus buffer (at least temporarily) against continued deposition, whereas others have essentially lost the ability to retain (on a net anual basis) atmospherically deposited sulfur. These latter watersheds appear predominatly in the geographic area that receives the greatest levels of sulfur deposition, thus supporting the hypothesis that high levels of deposition have led to the status of decreased retention. The combined results of the report, when compared to the results of the prior final report on Northeast lakes and streams of the Southern Blue Ridge Province, indicate that the Mid-Appalachian Region is the area of the Eastern United States most likely to be experiencing the most notable increases in the effects of atmospheric sulfur deposition.

Keywords: *Water chemistry, *Sulfur, *Water pollution, *Surface waters, Deposition, Air water interactions, Streams, Lakes, Watersheds, Long term effects, Acidification, Hydrology, Statistical analysis, Mathematical models, *Direct/Delayed Response Project, Appalachian Mountain Region(United States), Eastern Region(United States).

PB92-232388/REB PC **A03**/MF **A01**
Procuring Innovative Technologies at Remedial Sites: Q's and A's and Case Studies.
Environmental Protection Agency, Washington, DC. Office of Solid Waste and Emergency Response.
Apr 92, 24p EPA/542/F-92/012

The fact sheet is designed to assist EPA Remedial Project Managers (RPMs) and Contracting Officers (COs) with the procurement of innovative treatment technologies. RPMs, COs, and U.S. Army Corps of Engineers (COE) personnel were interviewed to obtain information on their experiences in procuring innovative technologies. EPA's Technology Innovation Office (TIO)has documented case histories of experences with acquiring innovative technologies in the Superfund program. Remedial sites chosen for inclusion in the review were Fund-lead sites that had started or completed the procurement of an innovative technology, including bioremediation, thermal desorption, vacuum extraction, chemical treatment, chemical extraction, and in situ soil flushing. The results of these interviews are presented in a question and answer format. In addition, specific detailed information on each site is presented in tabular form.

Keywords: *Hazardous materials, *Waste treatment, Case studies, Biotechnology, Desorption, Extraction, Sites, Chemical analysis, Vacuum apparatus, Soils, Flushing, Tables(Data), *Superfund, Innovative technology, Bioremediation.

PB92-232396/REB PC **A02**/MF **A01**
Citizen's Guide to Thermal Desorption.
Environmental Protection Agency, Washington, DC. Office of Solid Waste and Emergency Response.
Mar 92, 6p EPA/542/F-92/006

Thermal desorption is an innovative treatment technology that treats soils contaminated with hazardous wastes by heating the soil at realtively low temperatures (200-1000 deg F) so that contaminants with low boiling points will vaporize (turn into gas) and, consequently, separate from the soil. There are three steps in thermal desorption: (1) heating the soil to vaporize the contaminants; (2) treating the vaporized contaminants; and (3) testing the treated soil.

Keywords: *Hazardous materials, *Soils, *Waste treatment, Thermal degradation, Heating, Vaporizing, Desorption, Extraction.

PB92-232404/REB PC **A01**/MF **A01**
Protecting Endangered Species: Interim Measures, Baker County, Georgia.
Environmental Protection Agency, Washington, DC. Office of Pesticides and Toxic Substances.
Sep 90, 5p EPA-20T-3055

The Endangered Species Act is intended to protect and promote recovery of animals and plants that are in danger of becoming extinct due to the activities of people. Under the Act, EPA must ensure that use of pesticides it registers will not result in harm to the species listed as endangered or threatened by the U.S. Fish and Wildlife Service, or to habitat critical to those species' survival. To accomplish this, the EPA expects to implement program requirements beginning in 1991. This program will protect endangered and threatened species from harm due to pesticide use. The publication covers interim measures for Baker County, Georgia.

Keywords: *Pesticides, *Natural resources management, *Environmental protection, US EPA, Toxic substances, Habitats, Implementation, Pollution regulations, Animals, Plants(Botany), Wildlife management, Chemical compounds, *Baker County(Georgia), *Endangered Species Act.

PB92-232412/REB PC **A01**/MF **A01**
Protecting Endangered Species: Interim Measures, Culberson County, Texas.
Environmental Protection Agency, Washington, DC. Office of Pesticides and Toxic Substances.
Sep 90, 5p EPA-20T-3041

The information in the pamphlet is similar to what the U.S. Environmental Protection Agency (EPA) expects to distribute once the Endangered Species Protection Program is in effect. The Endangered Species Act is intended to protect and promote recovery of animals and plants that are in danger of becoming extinct due to the activities of people. The publication contains a County Map showing the area within the county where pesticide use should be limited to protect listed species.

Keywords: *Protection, *Endangered species, *Pesticides, *Environmental impacts, Law(Jurisprudence), USEPA, Habitats, Requirements, Maps, Tables(Data), Sites, Chemical composition, Animals, Plants(Botany), *Culberson County(Texas).

PB92-232420/REB PC **A01**/MF **A01**
Protecting Endangered Species: Interim Measures, El Paso County, Texas.
Environmental Protection Agency, Washington, DC. Office of Pesticides and Toxic Substances.
Sep 90, 5p EPA-20T-3042

The Endangered Species Act is intended to protect and promote recovery of animals and plants that are in danger of becoming extinct due to the activities of people. Under the Act, EPA must ensure that use of pesticides it registers will not result in harm to the species listed as endangered or threatened by the U.S. Fish and Wildlife Service, or to habitat critical to those species' survival. To accomplish this, the EPA expects to implement program requirements beginning in 1991. This program will protect endangered and threatened species from harm due to pesticide use. The publication covers interim measures for El Paso County, Texas.

Keywords: *Natural resources management, *Pesticides, *Environmental protection, US EPA, Toxic substances, Habitats, Implementation, Pollution regulations, Animals, Plants(Botany), Wildlife management, Chemical compounds, *El Paso County(Texas), *Endangered Species Act.

PB92-232438/REB PC **A01**/MF **A01**
Protecting Endangered Species: Interim Measures, Monongalia County, West Virginia.
Environmental Protection Agency, Washington, DC. Office of Pesticides and Toxic Substances.
Sep 90, 5p EPA-20T-3005

The Endangered Species Act is intended to protect and promote recovery of animals and plants that are in danger of becoming extinct due to the activities of people. Under the Act, EPA must ensure that use of pesticides it registers will not result in harm to the species listed as endangered or threatened by the U.S. Fish and Wildlife Service, or to habitat critical to those species' survival. To accomplish this, the EPA expects to implement program requirements beginning in 1991. This program will protect endangered and threatened species from harm due to pesticide use. The publication covers interim measures for Monongalia County, West Virginia.

Keywords: *Natural resources management, *Pesticides, *Environmental protection, US EPA, Toxic substances, Habitats, Implementation, Pollution regulations, Animals, Plants(Botany), Wildlife management, Chemical compounds, *Monongalia County(West Virginia), *Endangered Species Act.

PB92-232446/REB PC **E99**/MF **E99**
Environmental Protection Agency, Research Triangle Park, NC. Technical Support Div.
User's Guide for the Industrial Source Complex (ISC2) Dispersion Models.
Pacific Environmental Services, Inc., Durham, NC.

Mar 92, 530p-in 3v
Set includes PB92-232453 through PB92-232479. Sponsored by Environmental Protection Agency, Research Triangle Park, NC. Technical Support Div.

No abstract available.

PB92-232453/REB PC **A13**/MF **A03**
Environmental Protection Agency, Research Triangle Park, NC. Technical Support Div.
User's Guide for the Industrial Source Complex (ISC2) Dispersion Models. Volume 1. User Instructions.
Pacific Environmental Services, Inc., Durham, NC.
Mar 92, 276p EPA/450/4-92/008A
See also Volume 2, PB92-232461 and PB88-171475. Sponsored by Environmental Protection Agency, Research Triangle Park, NC. Technical Support Div.
Also available in set of 3 reports PC E99/MF E99, PB92-232446.

Volume I of the User's Guide for the Industrial Source Complex (ISC2) Dispersion Models (Version 2) provides user instructions for setting up and running the ISC2 models. The volume is organized to provide different levels of detail to meet the different needs of various types of users, from novice users to experienced modelers. The ISC2 User's Guide has been developed as part of a larger effort to restructure and reprogram the original ISC models, and to improve the 'end-user' documentation for the models.

Keywords: *Air pollution, *Diffusion modeling, Atmospheric diffusion, Meteorology, Mathematical models, Industrial wastes, Dispersions, Deposition, Downwash, User Manuals(Computer programs).

PB92-232461/REB PC **A05**/MF **A01**
Environmental Protection Agency, Research Triangle Park, NC. Technical Support Div.
User's Guide for the Industrial Source Complex (ISC2) Dispersion Models. Volume 2: Description of Model Algorithms.
Pacific Environmental Services, Inc., Durham, NC.
Mar 92, 83p EPA/450/4-92/008B
See also Volume 1, PB92-232453 and Volume 3, PB92-232479. Sponsored by Environmental Protection Agency, Research Triangle Park, NC. Technical Support Div.
Also available in set of 3 reports, PC E99/MF E99, PB92-232446.

Volume II of the User's Guide for the Industrial Source Complex (ISC2) Dispersion Models (Version 2) describes the dispersion algorithms utilized in the ISC2 models. The ISC2User's Guide has been developed as part of a larger effort to restructure and reprogam the originalk ISC models,and to improve the 'end-user' documentation for the models.

Keywords: *Air pollution, *Diffusion modeling, *Algorithms, Dispersions, Atmospheric diffusion, Meteorology, Mathematical models, Industrial wastes, Deposition, Downwash, User manuals(Computer programs).

PB92-232479/REB PC **A07**/MF **A02**
Environmental Protection Agency, Research Triangle Park, NC. Technical Support Div.
User's Guide for the Industrial Source Complex (ISC2) Dispersion Models. Volume 3: Guide to Programmers.
Pacific Environmental Services, Inc., Durham, NC.
Mar 92, 144p EPA/450/4-92/008C
See also Volume 2, PB92-232461. Sponsored by Environmental Protection Agency, Research Triangle Park, NC. Technical Support Div.
Also available in set of 3 reports PC E99/MF E99, PB92-232446.

Volume III of the User's Guide for the Industrial Source Complex (ISC2) Dispersion Models (Version 2) provides a description of the structure of the ISC2 model code, and serves as a guide to programmers involved with installing the ISC2 code on other systems. Also included in the volume is information relevant to future maintenance of the ISC2 models. The ISC2 User's Guide has been developed as part of a larger effort to restructure and reprogram the original ISC models, and to improve the 'end-uer' documentation for the models.

Keywords: *Air pollution, *Diffusion modeling, Atmospheric diffusion, Meteorology, Mathematical models, Industrial wastes, Dispersions, Deposition, Downwash, Programming manuals.

PB92-232487/REB PC **A01**/MF **A01**
Protecting Endangered Species: Interim Measures, Hudspeth County, Texas.
Environmental Protection Agency, Washington, DC. Office of Pesticides and Toxic Substances.
Sep 90, 5p EPA-20T-3043

The Endangered Species Act is intended to protect and promote recovery of animals and plants that are in danger of becoming extinct due to the activities of people. Under the Act, EPA must ensure that use of pesticides it registers will not result in harm to the species listed as endangered or threatened by the U.S. Fish and Wildlife Service, or to habitat critical to those species' survival. To accomplish this, the EPA expects to implement program requirements beginning in 1991. This program will protect endangered and threatened species from harm due to pesticide use. The publication covers interim measures for Hudspeth County, Texas.

Keywords: *Natural resources management, *Pesticides, *Environmental protection, US EPA, Toxic substances, Habitats, Implementation, Pollution regulations, Animals, Plants(Botany), Wildlife management, Chemical compounds, *Hudspeth County(Texas), *Endangered Species Act.

PB92-232495/REB PC **A01**/MF **A01**
Protecting Endangered Species: Interim Measures, Jackson County, Mississippi.
Environmental Protection Agency, Washington, DC. Office of Pesticides and Toxic Substances.
Sep 90, 5p EPA-20T-3004

The information in the pamphlet is similar to what the U.S. Environmental Protection Agency (EPA) expects to distribute once the Endangered Species Protection Program is in effect. The Endangered Species Act is intended to protect and promote recovery of animals and plants that are in danger of becoming extinct due to the activities of people. The publication contains a County Map showing the area within the county where pesticide use should be limited to protect listed species.

Keywords: *Protection, *Endangered species, *Pesticides, *Environmental impacts, Law(Jurisprudence), USEPA, Habitats, Requirements, Maps, Tables(Data), Sites, Chemical composition, Animals, Plants(Botany), *Jackson County(Mississippi).

PB92-232503/REB PC **A01**/MF **A01**
Protecting Endangered Species: Interim Measures, Towns County, Georgia.
Environmental Protection Agency, Washington, DC. Office of Pesticides and Toxic Substances.
Sep 90, 5p EPA-20T-3003

The Endangered Species Act is intended to protect and promote recovery of animals and plants that are in danger of becoming extinct due to the activities of people. Under the Act, EPA must ensure that use of pesticides it registers will not result in harm to the species listed as endangered or threatened by the U.S. Fish and Wildlife Service, or to habitat critical to those species' survival. To accomplish this, the EPA expects to implement program requirements beginning in 1991. This program will protect endangered and threatened species from harm due to pesticide use. The publication covers interim measures for Towns County, Georgia.

Keywords: *Pesticides, *Natural resources management, *Environmental protection, US EPA, Toxic substances, Habitats, Implementation, Pollution regulations, Animals, Plants(Botany), Wildlife management, Chemical compounds, *Towns County(Georgia), *Endangered Species Act.

PB92-232511/REB PC **A01**/MF **A01**
Protecting Endangered Species: Interim Measures, Navajo County, Arizona.
Environmental Protection Agency, Washington, DC. Office of Pesticides and Toxic Substances.
Sep 90, 5p EPA-20T-3002

The information in the pamphlet is similar to what the U.S. Environmental Protection Agency (EPA) expects to distribute once the Endangered Species Protection Program is in effect. The Endangered Species Act is intended to protect and promote recovery of animals and plants that are in danger of becoming extinct due to the activities of people. The publication contains a County Map showing the area within the county where pesticide use should be limited to protect listed species.

Keywords: *Protection, *Endangered species, *Pesticides, *Environmental impacts, Law(Jurisprudence), ESEPA, Habitats, Requirements, Maps, Tables(Data), Sites, Chemical composition, Animals, Plants(Botany), *Navajo County(Arizona).

PB92-232529/REB PC **A01**/MF **A01**
Protecting Endangered Species: Interim Measures, Graham County, Arizona.
Environmental Protection Agency, Washington, DC. Office of Pesticides and Toxic Substances.
Sep 90, 5p EPA-20T-3044

The information in the pamphlet is similar to what the U.S. Environmental Protection Agency (EPA) expects to distribute once the Endangered Species Protection Program is in effect. The Endangered Species Act is intended to protect and promote recovery of animals and plants that are in danger of becoming extinct due to the activities of people. The publication contains a County Map showing the area within the county where pesticide use should be limited to protect listed species.

Keywords: *Protection, *Endangered species, *Pesticides, *Environmental impacts, Law(Jurisprudence), USEPA, Habitats, Requirements, Maps, Tables(Data), Sites, Chemical composition, Animals, Plants(Botany), *Graham County(Arizona).

PB92-232537/REB PC **A01**/MF **A01**
Protecting Endangered Species: Interim Measures, Carter County, Tennessee.
Environmental Protection Agency, Washington, DC. Office of Pesticides and Toxic Substances.
Sep 90, 5p EPA-20T-3045

The information in the pamphlet is similar to what the U.S. Environmental Protection Agency (EPA) expects to distribute once the Endangered Species Protection Program is in effect. The Endangered Species Act is intended to protect and promote recovery of animals and plants that are in danger of becoming extinct due to the activities of people. The publication contains a County Map showing the area within the county where pesticide use should be limited to protect listed species.

Keywords: *Protection, *Endangered species, *Pesticides, *Environmental impacts, Law(Jurisprudence), USEPA, Habitats, Requirements, Maps, Tables(Data), Sites, Chemical composition, Animals, Plants(Botany), *Carty County(Tennessee).

PB92-232545/REB PC **A01**/MF **A01**
Protecting Endangered Species: Interim Measures, Austin County, Texas.
Environmental Protection Agency, Washington, DC. Office of Pesticides and Toxic Substances.
Sep 90, 5p EPA-20T-3040

The Endangered Species Act is intended to protect and promote recovery of animals and plants that are in danger of becoming extinct due to the activities of people. Under the Act, EPA must ensure that use of pesticides it registers will not result in harm to the species listed as endangered or threatened by the U.S. Fish and Wildlife Service, or to habitat critical to those species' survival. To accomplish this, the EPA expects to implement program requirements beginning in 1991. This program will protect endangered and threatened species from harm due to pesticide use. The publication covers interim measures for Austin County, Texas.

Keywords: *Natural resources management, *Pesticides, *Environmental protection, US EPA, Toxic substances, Habitats, Implementation, Pollution regulations, Animals, Plants(Botany). Wildlife management, Chemical compounds, *Austin County(Texas), *Endangered Species Act.

PB92-232552/REB PC **A01**/MF **A01**
Protecting Endangered Species: Interim Measures, Sunflower County, Mississippi.
Environmental Protection Agency, Washington, DC. Office of Pesticides and Toxic Substances.
Sep 90, 5p EPA-20T-3039

The Endangered Species Act is intended to protect and promote recovery of animals and plants that are in danger of becoming extinct due to the activities of people. Under the Act, EPA must ensure that use of pesticides it registers will not result in harm to the species listed as endangered or threatened by the U.S. Fish and Wildlife Service, or to habitat critical to those species' survival. To accomplish this, the EPA expects to implement program requirements beginning in 1991. This program will protect endangered and threatened species from harm due to pesticide use. The publication covers interim measures for Sunflower County, Mississippi.

Keywords: *Natural resources management, *Pesticides, *Environmental protection, US EPA, Toxic substances, Habitats, Implementation, Pollution regulations, Animals, Plants(Botany), Wildlife management, Chemical compounds, *Sunflower County(Mississippi), *Endangered Species Act.

PB92-232560/REB PC **A01**/MF **A01**
Protecting Endangered Species: Interim Measures, Dubuque County, Iowa.
Environmental Protection Agency, Washington, DC. Office of Pesticides and Toxic Substances.
Sep 90, 5p EPA-20T-3016

The Endangered Species Act is intended to protect and promote recovery of animals and plants that are in danger of becoming extinct due to the activities of people. Under the Act, EPA must ensure that use of pesticides it registers will not result in harm to the species listed as endangered or threatened by the U.S. Fish and Wildlife Service, or to habitat critical to those species' survival. To accomplish this, the EPA expects to implement program requirements beginning in 1991. This program will protect endangered and threatened species from harm due to pesticide use. The publication covers interim measures for Dubuque County, Iowa.

Keywords: *Natural resources management, *Pesticides, *Environmental protection, US EPA, Toxic substances, Habitats, Implementation, Pollution regulations, Animals, Plants(Botany), Wildlife management, Chemical compounds, *Dubuque County(Iowa), *Endangered Species Act.

PB92-232578/REB PC **A01**/MF **A01**
Protecting Endangered Species: Interim Measures, Fayette County, Iowa.
Environmental Protection Agency, Washington, DC. Office of Pesticides and Toxic Substances.
Sep 90, 5p EPA-20T-3017

The Endangered Species Act is intended to protect and promote recovery of animals and plants that are in danger of becoming extinct due to the activities of people. Under the Act, EPA must ensure that use of pesticides it registers will not result in harm to the species listed as endangered or threatened by the U.S. Fish and Wildlife Service, or to habitat critical to those species' survival. To accomplish this, the EPA expects to implement program requirements beginning in 1991. This program will protect endangered and threatened species from harm due to pesticide use. The publication covers interim measures for Fayette County, Iowa.

Keywords: *Natural resources management, *Pesticides, *Environmental protection, US EPA, Toxic substances, Habitats, Implementation, Pollution regulations, Animals, Plants(Botany), Wildlife management, Chemical compounds, *Fayette County(Iowa), *Endangered Species Act.

PB92-232586/REB PC **A01**/MF **A01**
Protecting Endangered Species: Interim Measures, Habersham County, Georgia.
Environmental Protection Agency, Washington, DC. Office of Pesticides and Toxic Substances.
Sep 90, 5p EPA-20T-3021

The Endangered Species Act is intended to protect and promote recovery of animals and plants that are in danger of becoming extinct due to the activities of people. Under the Act, EPA must ensure that use of pesticides it registers will not result in harm to the species listed as endangered or threatened by the U.S. Fish and Wildlife Service, or to habitat critical to those species' survival. To accomplish this, the EPA expects to implement program requirements beginning in 1991. This program will protect endangered and threatened species from harm due to pesticide use. The publication covers interim measures for Habersham County, Georgia.

Keywords: *Natural resources management, *Pesticides, *Environmental protection, US EPA, Toxic substances, Habitats, Implementation, Pollution regulations, Animals, Plants(Botany), Wildlife management, Chemical compounds, *Habersham County(Georgia), *Endangered Species Act.

PB92-232594/REB PC **A01**/MF **A01**
Protecting Endangered Species: Interim Measures, Rabun County, Georgia.
Environmental Protection Agency, Washington, DC. Office of Pesticides and Toxic Substances.
Sep 90, 5p EPA-20T-3024

The Endangered Species Act is intended to protect and promote recovery of animals and plants that are in danger of becoming extinct due to the activities of people. Under the Act, EPA must ensure that use of pesticides it registers will not result in harm to the species listed as endangered or threatened by the U.S. Fish and Wildlife Service, or to habitat critical to those species' survival. To accomplish this, the EPA expects to implement program requirements beginning in 1991. This program will protect endangered and threatened species from harm due to pesticide use. The publication covers interim measures for Rabun County, Georgia.

Keywords: *Natural resources management, *Pesticides, *Environmental protection, US EPA, Toxic substances, Habitats, Implementation, Pollution regulations, Animals, Plants(Botany), Wildlife management, Chemical compounds, *Rabun County(Georgia), *Endangered Species Act.

PB92-232602/REB PC **A01**/MF **A01**
Protecting Endangered Species: Interim Measures, Cochise County, Arizona.
Environmental Protection Agency, Washington, DC. Office of Pesticides and Toxic Substances.
Sep 90, 5p EPA-20T-3037

The information in the pamphlet is similar to what the U.S. Environmental Protection Agency (EPA) expects to distribute once the Endangered Species Protection Program is in effect. The Endangered Species Act is intended to protect and promote recovery of animals and plants that are in danger of becoming extinct due to the activities of people. The publication contains a County Map showing the area within the county where pesticide use should be limited to protect listed species.

Keywords: *Protection, *Endangered species, *Pesticides, *Environmental impacts, Law(Jurisprudence), USEPA, Habitats, Requirements, Maps, Tables(Data), Sites, Chemical composition, Animals, Plants(Botany), Wildlife, *Cochise County(Arizona).

PB92-232610/REB PC **A01**/MF **A01**
Protecting Endangered Species: Interim Measures, Bolivar County, Mississippi.
Environmental Protection Agency, Washington, DC. Office of Pesticides and Toxic Substances.
Sep 90, 5p EPA-20T-3038

The information in the pamphlet is similar to what the U.S. Environmental Protection Agency (EPA) expects to distribute once the Endangered Species Protection Program is in effect. The Endangered Species Act is intended to protect and promote recovery of animals and plants that are in danger of becoming extinct due to the activities of people. The publication contains a County Map showing the area within the county where pesticide use should be limited to protect listed species.

Keywords: *Protection, *Endangered species, *Pesticides, *Environmental impacts, Animals, Plants(Botany), Wildlife, Habitats, Maps, Utilization, Tables(Data), Sites, Chemical composition, *Bolivar County(Mississippi).

PB92-232628/REB PC **A01**/MF **A01**
Protecting Endangered Species: Interim Measures, Clayton County, Iowa.
Environmental Protection Agency, Washington, DC. Office of Pesticides and Toxic Substances.
Sep 90, 5p EPA-20T-3015

The information in the pamphlet is similar to what the U.S. Environmental Protection Agency (EPA) expects to distribute once the Endangered Species Protection Program is in effect. The Endangered Species Act is intended to protect and promote recovery of animals and plants that are in danger of becoming extinct due to the activities of people. The publication contains a County Map showing the area within the county where pesticide use should be limited to protect listed species.

Keywords: *Protection, *Endangered species, *Pesticides, *Environmental impacts, Law(Jurisprudence), USEPA, Habitats, Requirements, Maps, Tables(Data), Sites, Chemical composition, Animals, Plants(Botany), *Clayton County(Iowa).

PB92-232636/REB PC **A01**/MF **A01**
Protecting Endangered Species: Interim Measures, Coconino County, Arizona.
Environmental Protection Agency, Washington, DC. Office of Pesticides and Toxic Substances.
Sep 90, 5p EPA-20T-3014

The information in the pamphlet is similar to what the U.S. Environmental Protection Agency (EPA) expects to distribute once the Endangered Species Protection Program is in effect. The Endangered Species Act is intended to protect and promote recovery of animals and plants that are in danger of becoming extinct due to the activities of people. The publication contains a County Map showing the area within the county where pesticide use should be limited to protect listed species.

Keywords: *Protection, *Endangered species, *Pesticides, *Environmental impacts, Law(Jurisprudence), USEPA, Habitats, Requirements, Maps, Tables(Data), Sites, Chemical composition, Animals, Plants(Botany), *Coconino County(Arizona).

PB92-232644/REB PC **A01**/MF **A01**
Protecting Endangered Species: Interim Measures, Aransas County, Texas.
Environmental Protection Agency, Washington, DC. Office of Pesticides and Toxic Substances.
Sep 90, 5p EPA-20T-3006

The information in the pamphlet is similar to what the U.S. Environmental Protection Agency (EPA) expects to distribute once the Endangered Species Protection Program is in effect. The Endangered Species Act is intended to protect and promote recovery of animals and plants that are in danger of becoming extinct due to the activities of people. The publication contains a County Map showing the area within the county where pesticide use should be limited to protect listed species.

Keywords: *Protection, *Endangered species, *Pesticides, *Environmental impacts, Law(Jurisprudence), US EPA, Habitats, Maps, Tables(Data), Sites, Chemical composition, Animals, Plants(Botany), Wildlife, *Arkansas County(Texas).

PB92-232651/REB PC **A01**/MF **A01**
Protecting Endangered Species: Interim Measures, Mitchell County, North Carolina.
Environmental Protection Agency, Washington, DC. Office of Pesticides and Toxic Substances.
Sep 90, 5p EPA-20T-3056

The information in the pamphlet is similar to what the U.S. Environmental Protection Agency (EPA) expects to distribute once the Endangered Species Protection Program is in effect. The Endangered Species Act is intended to protect and promote recovery of animals and plants that are in danger of becoming extinct due to the activities of people. The publication contains a County Map showing the area within the county where pesticide use should be limited to protect listed species.

Keywords: *Protection, *Endangered species, *Pesticides, *Environmental impacts, Law(Jurisprudence),

USEPA, Habitats, Requirements, Maps, Tables(Data), Sites, Chemical composition, Animals, Plants(Botany), *Mitchell County(North Carolina).

PB92-232669/REB PC **A01**/MF **A01**
Protecting Endangered Species: Interim Measures, Mohave County, Arizona.
Environmental Protection Agency, Washington, DC. Office of Pesticides and Toxic Substances.
Sep 90, 5p EPA-20T-3057

The information in the pamphlet is similar to what the U.S. Environmental Protection Agency (EPA) expects to distribute once the Endangered Species Protection Program is in effect. The Endangered Species Act is intended to protect and promote recovery of animals and plants that are in danger of becoming extinct due to the activities of people. The publication contains a County Map showing the area within the county where pesticide use should be limited to protect listed species.

Keywords: *Protection, *Endangered species, *Pesticides, *Environmental impacts, Law(Jurisprudence), USEPA, Habitats, Requirements, Maps, Tables(Data), Sites, Chemical composition, Animals, Plants(Botany), *Mohave County(Arizona).

PB92-232677/REB PC **A01**/MF **A01**
Protecting Endangered Species: Interim Measures, Yavapai County, Arizona.
Environmental Protection Agency, Washington, DC. Office of Pesticides and Toxic Substances.
Sep 90, 5p EPA-20T-3058

The Endangered Species Act is intended to protect and promote recovery of animals and plants that are in danger of becoming extinct due to the activities of people. Under the Act, EPA must ensure that use of pesticides it registers will not result in harm to the species listed as endangered or threatened by the U.S. Fish and Wildlife Service, or to habitat critical to those species' survival. To accomplish this, the EPA expects to implement program requirements beginning in 1991. This program will protect endangered and threatened species from harm due to pesticide use. The publication covers interim measures for Yavapai County, Arizona.

Keywords: *Natural resources management, *Pesticides, *Environmental protection, US EPA, Toxic substances, Habitats, Chemical compounds, Implementation, Pollution regulations, Animals, Plants(Botany), Wildlife management, *Yavapai County(Arizona), *Endangered Species Act.

PB92-232685/REB PC **A01**/MF **A01**
Protecting Endangered Species: Interim Measures, Burke County, Georgia.
Environmental Protection Agency, Washington, DC. Office of Pesticides and Toxic Substances.
Sep 90, 5p EPA-20T-3059

The information in the pamphlet is similar to what the U.S. Environmental Protection Agency (EPA) expects to distribute once the Endangered Species Protection Program is in effect. The Endangered Species Act is intended to protect and promote recovery of animals and plants that are in danger of becoming extinct due to the activities of people. The publication contains a County Map showing the area within the county where pesticide use should be limited to protect listed species.

Keywords: *Protection, *Endangered species, *Pesticides, *Environmental impacts, Law(Jurisprudence), USEPA, Habitats, Requirements, Maps, Tables(Data), Sites, Chemical composition, Animals, Plants(Botany), *Burke County(Georgia).

PB92-232693/REB PC **A01**/MF **A01**
Protecting Endangered Species: Interim Measures, Wheeler County, Georgia.
Environmental Protection Agency, Washington, DC. Office of Pesticides and Toxic Substances.
Sep 90, 5p EPA-20T-3060

The Endangered Species Act is intended to protect and promote recovery of animals and plants that are in danger of becoming extinct due to the activities of people. Under the Act, EPA must ensure that use of pesticides it registers will not result in harm to the species listed as endangered or threatened by the U.S. Fish and Wildlife Service, or to habitat critical to those species' survival. To accomplish this, the EPA expects to implement program requirements beginning in 1991. This program will protect endangered and threatened species from harm due to pesticide use. The publication covers interim measures for Wheeler County, Georgia.

Keywords: *Natural resources management, *Pesticides, *Environmental protection, US EPA, Toxic substances, Habitats, Implementation, Pollution regulations, Animals, Plants(Botany), Wildlife management, Chemical compounds, *Wheeler County(Georgia), *Endangered Species Act.

PB92-232701/REB PC **A01**/MF **A01**
Protecting Endangered Species: Interim Measures, Sumter County, Georgia.
Environmental Protection Agency, Washington, DC. Office of Pesticides and Toxic Substances.
Sep 90, 5p EPA-20T-3062

The Endangered Species Act is intended to protect and promote recovery of animals and plants that are in danger of becoming extinct due to the activities of people. Under the Act, EPA must ensure that use of pesticides it registers will not result in harm to the species listed as endangered or threatened by the U.S. Fish and Wildlife Service, or to habitat critical to those species' survival. To accomplish this, the EPA expects to implement program requirements beginning in 1991. This program will protect endangered and threatened species from harm due to pesticide use. The publication covers interim measures for Sumter County, Georgia.

Keywords: *Natural resources management, *Pesticides, *Environmental protection, US EPA, Toxic substances, Implementation, Pollution regulations, Animals, Plants(Botany), Wildlife management, Chemical compounds, Habitats, *Sumter County(Georgia), *Endangered Species Act.

PB92-232719/REB PC **A01**/MF **A01**
Protecting Endangered Species: Interim Measures, Colorado County, Texas.
Environmental Protection Agency, Washington, DC. Office of Pesticides and Toxic Substances.
Sep 90, 5p EPA-20T-3063

The Endangered Species Act is intended to protect and promote recovery of animals and plants that are in danger of becoming extinct due to the activities of people. Under the Act, EPA must ensure that use of pesticides it registers will not result in harm to the species listed as endangered or threatened by the U.S. Fish and Wildlife Service, or to habitat critical to those species' survival. To accomplish this, the EPA expects to implement program requirements beginning in 1991. This program will protect endangered and threatened species from harm due to pesticide use. The publication covers interim measures for Colorado County, Texas.

Keywords: *Natural resources management, *Pesticides, *Environmental protection, US EPA, Toxic substances, Implementation, Pollution regulations, Habitats, Animals, Plants(Botany), Wildlife management, Chemical compounds, *Colorado County(Texas), *Endangered Species Act.

PB92-232727/REB PC **A01**/MF **A01**
Protecting Endangered Species: Interim Measures, Floyd County, Georgia.
Environmental Protection Agency, Washington, DC. Office of Pesticides and Toxic Substances.
Sep 90, 5p EPA-20T-3064

The Endangered Species Act is intended to protect and promote recovery of animals and plants that are in danger of becoming extinct due to the activities of people. Under the Act, EPA must ensure that use of pesticides it registers will not result in harm to the species listed as endangered or threatened by the U.S. Fish and Wildlife Service, or to habitat critical to those species' survival. To accomplish this, the EPA expects to implement program requirements beginning in 1991. This program will protect endangered and threatened species from harm due to pesticide use. The publication covers interim measures for Floyd County, Georgia.

Keywords: *Natural resources management, *Pesticides, *Environmental protection, US EPA, Toxic substances, Implementation, Pollution regulations, Animals, Habitats, Plants(Botany), Wildlife management, Chemical compounds, *Floyd County(Georgia), *Endangered Species Act.

PB92-232735/REB PC **A01**/MF **A01**
Protecting Endangered Species: Interim Measures, Davidson County, Tennessee.
Environmental Protection Agency, Washington, DC. Office of Pesticides and Toxic Substances.
Sep 90, 5p EPA-20T-3046

The Endangered Species Act is intended to protect and promote recovery of animals and plants that are in danger of becoming extinct due to the activities of people. Under the Act, EPA must ensure that use of pesticides it registers will not result in harm to the species listed as endangered or threatened by the U.S. Fish and Wildlife Service, or to habitat critical to those species' survival. To accomplish this, the EPA expects to implement program requirements beginning in 1991. This program will protect endangered and threatened species from harm due to pesticide use. The publication covers interim measures for Davidson County, Tennessee.

Keywords: *Natural resources management, *Pesticides, *Environmental protection, US EPA, Toxic substances, Habitats, Implementation, Pollution regulations, Animals, Plants(Botany), Wildlife management, Chemical compounds, *Davidson County(Tennessee), *Endangered Species Act.

PB92-232743/REB PC **A01**/MF **A01**
Protecting Endangered Species: Interim Measures, Gordon County, Georgia.
Environmental Protection Agency, Washington, DC. Office of Pesticides and Toxic Substances.
Sep 90, 5p EPA-20T-3051

The Endangered Species Act is intended to protect and promote recovery of animals and plants that are in danger of becoming extinct due to the activities of people. Under the Act, EPA must ensure that use of pesticides it registers will not result in harm to the species listed as endangered or threatened by the U.S. Fish and Wildlife Service, or to habitat critical to those species' survival. To accomplish this, the EPA expects to implement program requirements beginning in 1991. This program will protect endangered and threatened species from harm due to pesticide use. The publication covers interim measures for Gordon County, Georgia.

Keywords: *Natural resources management, *Pesticides, *Environmental protection, US EPA, Toxic substances, Habitats, Implementation, Pollution regulations, Animals, Plants(Botany), Wildlife management, Chemical compounds, *Gordon County(Georgia), *Endangered Species Act.

PB92-232750/REB PC **A01**/MF **A01**
Protecting Endangered Species: Interim Measures, Dooly County, Georgia.
Environmental Protection Agency, Washington, DC. Office of Pesticides and Toxic Substances.
Sep 90, 5p EPA-20T-3052

The Endangered Species Act is intended to protect and promote recovery of animals and plants that are in danger of becoming extinct due to the activities of people. Under the Act, EPA must ensure that use of pesticides it registers will not result in harm to the species listed as endangered or threatened by the U.S. Fish and Wildlife Service, or to habitat critical to those species' survival. To accomplish this, the EPA expects to implement program requirements beginning in 1991. This program will protect endangered and threatened species from harm due to pesticide use. The publication covers interim measures for Dooly County, Georgia.

Keywords: *Natural resources management, *Pesticides, *Environmental protection, US EPA, Toxic substances, Habitats, Implementation, Pollution regulations, Animals, Plants(Botany), Wildlife management, Chemical compounds, *Dooly County(Georgia), *Endangered Species Act.

PB92-232768/REB PC **A01**/MF **A01**
Protecting Endangered Species: Interim Measures, Henderson County, North Carolina.
Environmental Protection Agency, Washington, DC. Office of Pesticides and Toxic Substances.
Sep 90, 5p EPA-20T-3053

The Endangered Species Act is intended to protect and promote recovery of animals and plants that are in danger of becoming extinct due to the activities of people. Under the Act, EPA must ensure that use of pesticides it registers will not result in harm to the species listed as endangered or threatened by the U.S. Fish and Wildlife Service, or to habitat critical to those species' survival. To accomplish this, the EPA expects to implement program requirements beginning in 1991. This program will protect endangered and threatened species from harm due to pesticide use. The publication covers interim measures for Henderson County, North Carolina.

Keywords: *Natural resources management, *Pesticides, *Environmental protection, US EPA, Toxic substances, Habitats, Implementation, Pollution regulations, Animals, Plants(Botany), Wildlife management, Chemical compounds, *Henderson County(North Carolina), *Endangered Species Act.

PB92-232776/REB PC **A01**/MF **A01**
Protecting Endangered Species: Interim Measures, Lee County, Georgia.
Environmental Protection Agency, Washington, DC. Office of Pesticides and Toxic Substances.
Sep 90, 5p EPA-20T-3054

The Endangered Species Act is intended to protect and promote recovery of animals and plants that are in danger of becoming extinct due to the activities of people. Under the Act, EPA must ensure that use of pesticides it registers will not result in harm to the species listed as endangered or threatened by the U.S. Fish and Wildlife Service, or to habitat critical to those species' survival. To accomplish this, the EPA expects to implement program requirements beginning in 1991. This program will protect endangered and threatened species from harm due to pesticide use. The publication covers interim measures for Lee County, Georgia.

Keywords: *Natural resources management, *Pesticides, *Environmental protection, US EPA, Toxic substances, Habitats, Implementation, Pollution regulations, Animals, Plants(Botany), Wildlife management, Chemical compounds, *Lee County(Georgia), *Endangered Species Act.

PB92-232784/REB PC **A03**/MF **A01**
Assessment of Host Resistance to Infection with Rodent Malaria. Book chapter.
Health Effects Research Lab., Research Triangle Park, NC. Environmental Toxicology Div.
R. W. Luebke. 1992, 29p EPA/600/A-92/190
Pub. in Modern Methods in Immunotoxicology.

Resistance to malaria infection is known to require an intact immune system. The chapter presents an overview of rodent malaria, the host response to infection and methods for assessing infection in rats and mice.

Keywords: *Malaria, *Rodents, *Immune system, Rats, Mice, Plasmodium, Life cycles, Host-parasite relations, Cryopreservation, Reprints.

PB92-232792/REB PC **A04**/MF **A01**
Health Effects Research Lab., Research Triangle Park, NC.
Ozone-Induced Inflammatory Response in Pulmonary Cells.
Alliance Technologies Corp., Chapel Hill, NC.
H. S. Koren, R. B. Devlin, and S. Becker. 20 Aug 92, 65p EPA/600/A-92/191
Sponsored by Health Effects Research Lab., Research Triangle Park, NC.

The chapter highlights the roles of AM's, polymorphonuclear neutrophils (PMN), and epithelial cells and their products (primarily eicosanoids and cytokines) in the inflammatory cascade, comparing animal to human data and in vivo and in vitro data. The relationship of the inflammatory response induced by ozone to that induced by other inhaled environmental materials is discussed.

Keywords: *Ozone, *Toxicity, *Inflammation, *Lung, *Air pollution effects(Humans), *Air pollution effects(Animals), Cytokines, Eicosanoids, Cells(Biology), Alveolar macrophages, Neutrophils, Epithelium, Lymphocytes, Reprints.

PB92-232800/REB PC **A03**/MF **A01**
Assessment of Immunotoxicity with the Parasitic Infection Model 'Trichinella spiralis'. Book chapter.
Health Effects Research Lab., Research Triangle Park, NC. Environmental Toxicology Div.
H. Van Loveren, R. W. Luebke, and J. G. Vos. 1992, 37p EPA/600/A-92/192
Pub. in Modern Methods in Immunotoxicology, v2. Prepared in cooperation with Rijksinstituut voor de Volksgezondheid en Milieuhygiene, Bilthoven (Netherlands).

Resistance to trichinella spiralis is known to require an intact immune system. The chapter presents an overview of the infection, the host response to infection, and methods for assessing infection in rats and mice.

Keywords: *Trichinosis, *Immune system, Immunoglobulins, Enzyme-linked immunosorbent assay, Immunosuppression, Muscles, Larvae, Rats, Mice, Reprints, *Trichinella spiralis.

PB92-232818/REB PC **A03**/MF **A01**
Role of Motor Activity in the Asssessment of Neurotoxicity. Book chapter.
Health Effects Research Lab., Research Triangle Park, NC. Neurotoxicology Div.
M. E. Stanton. 1992, 12p EPA/600/A-92/193
Pub. in Toxicological Interpretation of Neurobehavioral Data.

Motor activity is a behavioral test that has been recommended as a component of testing batteries that evaluate the neurotoxic potential of chemicals. This brief commentary will address the role of this test in such evaluations. It is organized in accordance with the questions that were posed to members of the Work Group on Activity and Observational Data by the conference organizers. For the purposes of this commentary, 'neurotoxicity' is defined as an unwanted effect of an agent on the structure or function of the nervous system. This effect can be direct or indirect, and transient or permanent. in addition, assessment of neurotoxicity occurs in two stages: hazard identification and characterization.

Keywords: *Motor activity, *Toxicity, *Nervous system, Exposure, Humans, Behavior.

PB92-232826/REB PC **A03**/MF **A01**
Health Effects Research Lab., Research Triangle Park, NC.
Utility of Activity and Observational Data for Neurotoxicity Screening.
ManTech Environmental Technology, Inc., Research Triangle Park, NC.
V. C. Moser. 1992, 17p EPA/600/A-92/194
Contract EPA-68-02-4450
Sponsored by Health Effects Research Lab., Research Triangle Park, NC.

Observational and activity tests provide neurobehavioral data critical for assessing a chemical's effects on the nervous system. The measures are sensitive, relatively specific, and provide information about the effects of the chemical in specified functional domains. These measures are also valuable additions to mechanistic studies, although not specifically designed for this purpose. Furthermore, they are sufficiently sensitive that conservative exposure standards could be determined in the absence of additional neurotoxicity data. There are numerous advantages to including these tests in acute, subchronic, or chronic studies. The measures are quite reliable over time, and given the additional benefits of collecting neurobehavioral data, there is good reason to include these assessments in standard toxicity tests.

Keywords: *Toxicity, *Nervous system, Tests, Body weight, Animal behavior.

PB92-232834/REB PC **A02**/MF **A01**
Toxicity Reduction Evaluation at a Municipal Wastewater Treatment Plant Using Mutagenicity as an Endpoint. Journal article.
Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.
J. U. Doerger, J. R. Meier, R. A. Dobbs, R. D. Johnson, and G. T. Ankley. c1992, 8p EPA/600/J-92/305
Pub. in Archives of Environmental Contamination and Toxicology, v22 n4 p384-388. See also PB88-170147.

Previous work revealed substantial levels of mutagenicity in effluents from certain municipal wastewater treatment plants. One of these treatment plants was selected for further study to track the effluent mutagenicity to its sources, to chemically characterize the mutagenicity, and to assess the treatability of the mutagens. Mutagenicity testing using the Salmonella/microsome assay was performed on methylene chloride extracts of influent and effluent samples from the municipal wastewater treatment plant, as well as on four selected industrial effluents entering the plant. The mutagenicity of the influent samples was detected only in the presence of a microsomal metabolic activation system and was highest in Salmonella strain TA98. About two-thirds of the mutagenicity passed through the treatment plant, suggesting that the mutagenic compounds were refractory to conventional biological treatment. No significant mutagenic activity was detected in three of the industrial waste streams, all paper products plant discharges. However, a high level of mutagenicity (1.2 million TA98 revertants/liter) was detected in the effluent from a coke oven plant. The source could account for all of the mutagenicity entering the wastewater treatment plant. After fractionation of the coke oven effluent by sequential extraction at neutral, acidic and basic pH with methylene chloride, 93% of the TA98 (+S9) mutagenicity was found in the neutral fraction. A C18 column fractionation scheme using a methanol/water elution gradient revealed that 92% of the mutagenicity eluted with the 75% and the 80% methanol water fractions.

Keywords: *Waste water treatment, *Toxicity, *Municipalities, Mutagens, Public health, Sampling, Activated sludge process, Chlorination, Coking, Distillation, Correlation, Mutagenesis, Ames test, Salmonella assay, Drinking water.

PB92-232842/REB PC **A03**/MF **A01**
Health Effects Research Lab., Research Triangle Park, NC.
Immature Rat Leydig Cells are Intrinsically Less Sensitive Than Adult Leydig Cells to Ethane Dimethanesulfonate. Journal article.
Johns Hopkins Univ., Baltimore, MD. Dept. of Population Dynamics.
W. R. Kelce, B. R. Zirkin, and L. L. Ewing. c1991, 14p EPA/600/J-92/322
Contract NIH-ES-05508
Pub. in Toxicology and Applied Pharmacology, v111 n2 p189-200 Nov 91. Prepared in cooperation with National Institutes of Health, Bethesda, MD. Sponsored by Health Effects Research Lab., Research Triangle Park, NC.

Leydig cells from immature rat testes appear to be insensitive to doses of ethane-1,2-dimethanesulfonate (EDS) which eliminate Leydig cells from adult rat testes. The authors sought to determine whether this differential response to EDS is intrinsic to the Leydig cell or mediated by other intra- or extratesticular differences between adult and immature rats. To differentiate among these possibilities, Leydig cells were exposed to EDS (1) in vivo, (2) through in vitro testicular perfusion, or (3) in highly purified Leydig cell primary cultures. Four days after ip injection of 85 mg EDS/kg body wt Leydig cells were eliminated from testes of adult, but not immature rats. Total androgen production by testes perfused in vitro with 94 microgram EDS/ml was dramatically reduced in adult, but not immature rats. Highly purified adult, but not immature, rat Leydig cells were far more sensitive to the effects of EDS on luteinizing hormone-stimulated androgen production (functional effects; apparent EC50 = 94 for adult and 407 microgram/ml for immature rat Leydig cells) and on (35S)methionine incorporation (cytotoxic effects; apparent EC50 = 140 for adult and 1000 microgram/ml for immature rat Leydig cells). Finally, the in vitro effects of EDS were both cell type and chemical specific. (Copyright (c) 1991 Academic Press, Inc.)

Keywords: *Leydig cells, *Toxicity, Rats, Methionine, In vivo analysis, In vitro analysis, Hydroxysteroid dehydrogenases, Perfusion, LH, Androgens, Reprints, *Ethane dimethanesulfonate.

PB92-232859/REB PC **A02**/MF **A01**
Health Effects Research Lab., Research Triangle Park, NC.
New Methods for the Assessment of Immunotoxicity of Chemical Substances. Journal article.
Paris-11 Univ., Chatenay-Malabry (France). Lab. de Toxicologie.
M. Pallardy, H. Lebrec, C. Blot, G. R. Burleson, and C. Bohuon. c1992, 8p EPA/600/J-92/323
Contract EPA-68-02-4450
Pub. in Jnl. of European Cytokin Network, Special Issue, p37-42 Jun 92. Prepared in cooperation with Institut Gustave-Roussy, Villejuif (France). Dept. de Biologie Clinique. Sponsored by Health Effects Research Lab., Research Triangle Park, NC.

The immune system is a target of toxic insult following subchronic or chronic exposure to environmental chemicals, therapeutic drugs or abused drugs. Interaction of xenobiotics with the immune system may result in undesirable effects of three principal types: (1) those manifested as immunosuppression, (2) those manifested as autoimmunity, and (3) those manifested as an allergic reaction. Additional qualitative and quantitative information should improve the accuracy with which the effects of chemicals and drugs on the immune system can be predicted. To extend and develop the approach the authors have focused on in vitro systems. In vitro animal systems are potent tools to permit identification of a chemical's effect on isolated parts of the immune system and results may be correlated with human peripheral blood lymphocytes. The present study evaluated the in vitro effects of a panel of selected drugs on the immune system to compare and validate the assays employed and to determine the sensitivity of the methods used.

Keywords: *Toxicity, *Immune system, *Xenobiotics, Immunosuppression, Lymphocytes, In vitro analysis, Cytokines, *Foreign technology.

PB92-232867/REB PC **A03**/MF **A01**
Health Effects Research Lab., Research Triangle Park, NC. Environmental Toxicology Div.
Effects of PCB (Aroclor (Trade Name) 1254) on Non-Specific Immune Parameters in Rhesus ('Macaca mulatta') Monkeys. Journal article.
Health and Welfare Canada, Ottawa (Ontario). Health Protection Branch.
H. Tryphonas, M. I. Luster, K. L. White, P. H. Naylor, and M. R. Erdos. c1991, 11p EPA/600/J-92/324
Contract EPA-68-02-4450
Pub. in International Jnl. of Immunopharmacology, v13 n6 p639-648 Dec 91. Prepared in cooperation with National Inst. of Environmental Health Sciences, Research Triangle Park, NC., Medical Coll. of Virginia, Richmond, and George Washington Univ. Medical Center, Washington, DC. Sponsored by Health Effects Research Lab., Research Triangle Park, NC. Environmental Toxicology Div.

The effects of low level, chronic polychlorinated biphenyl -- Aroclor 1254 -- (PCB) exposure were investigated on non-specific immune parameters in female rhesus (Macaca mulatta) monkeys. Five groups of monkeys were orally administered with PCB at concentrations of 0, 5, 20, 40 or 80 micrograms/kg bw/day. Immunotoxicity testing was initiated after 55 months of exposure. The serum hemolytic complement activity in all PCB treated groups was significantly higher ($P<0.05$) than that in the control group. A statistically significant dose-related increase in natural killer cell activity was evident at the 75 : 1 effector to target cell ratio. Similarly, a statistically significant dose-related increase was noted for thymosin alpha-1 levels but not for thymosin beta-4 levels. Statistically significant increased interferon levels were noted in the 20 and 80 micrograms/kg groups compared with the control group while the levels in the 40 micrograms/kg group were decreased significantly compared with the control group. The production of tumor necrosis factor by monocytes in the PCB treated groups was not different to that in the control group. The results indicated that long term exposure to PCB modulate several non-specific immune parameters. (Copyright (c) 1991 International Society for Immunopharmacology.)

Keywords: *Polychlorobiphenyl compounds, *Macaca mulatta, *Aroclors, *Immunity, *Toxicity, Body weight, Interferons, Hemolysis, Tumor necrosis factor, Natural killer cells, Complement, Reprints, Thymosins.

PB92-232875/REB PC **A01**/MF **A01**
Age-Dependent Changes in Activity of Mallard Plasma Cholinesterases. Journal article.
Corvallis Environmental Research Lab., OR.
R. S. Bennett, and J. K. Bennett. c1991, 3p EPA/600/J-92/325
Pub. in Jnl. of Wildlife Diseases 27, n1 p116-118 1991. Prepared in cooperation with NSI Technology Services Corp., Corvallis, OR.

Plasma acetylcholinesterase (AChE) and butrylcholinesterase (BChE) activity was measured repeatedly in 27 mallard (Anas platyrhynchos) ducklings between 7 and 85 days of age to determine age-dependent changes in enzyme activity. Plasma AChE, BChe, and total cholinesterase (ChE) activity decreased significantly with age. The relative proportion of AChE in total ChE activity also decreased slightly with age. Since some anti ChE chemicals can selectively inhibit AChE or BChE activity, characterization of age-dependent changes in the activity of each enzyme may be necessary to accurately identify the occurrence of pesticide exposure.

Keywords: *Cholinesterase, *Ducks, *Aging(Biology), Blood, Butyrylcholinesterase, Acetylcholinesterase, Pesticides, Cholinesterase inhibitors, Reprints.

PB92-232883/REB PC **A03**/MF **A01**
Corvallis Environmental Research Lab., OR.
Climate Change in Thailand and Its Potential Impact on Rice Yield. Journal article.
ManTech Environmental Technology, Inc., Corvallis, OR.
D. Bachelet, D. Brown, M. Boehm, and P. Russell. c1992, 22p EPA/600/J-92/326
Contract EPA-68-C8-0006
Pub. in Climatic Change 21, p347-366 1992. Prepared in cooperation with NSI Technology Services Corp., Corvallis, OR. Sponsored by Corvallis Environmental Research Lab., OR.

Because of the uncertainties surrounding prediction of climate change, it is common to employ climate scenarios to estimate its imapcts ona system. Climate scenarios are setsof climatic perturbations used with models to test system sensitivity to projected changes. In the study, four general circulation model (GCM) predictions are overlaid and the composite used to derive climate change scenarios that will be used in the future in rice models to estimate potential future change in yield and other agronomically important variables. This approach provides a means to identify model uncertainties and provides error bars for the projections. A review of current climatic conditions in Thailand provides a simple test of the predictions validity. Temperature changes are important for rice culture which provides food and economic stability to the country. Increased precipitation could mean greater flooding problems in the plains.

Keywords: *Climatic changes, *Thailand, *Rice, *Crop response, *Air pollution effects(Plants), Environmental effects, Global warming, Carbon dioxide, General circulation models, International trade, Precipitation(Meteorology), Economic analysis, Reprints.

PB92-232891/REB PC **A03**/MF **A01**
Corvallis Environmental Research Lab., OR.
Carbon Storage Potential of Short Rotation Tropical Tree Plantations. Journal article.
ManTech Environmental Technology, Inc., Corvallis, OR.
P. Schroeder. c1992, 13p EPA/600/J-92/327
Contract EPA-68-C8-0006
Pub. in Forest Ecology and Management 50, p31-41, 1992. See also PB92-144070 and DE88006256. Sponsored by Corvallis Environmental Research Lab., OR.

Forests are a major sink for carbon and play an important role in the global carbon cycle. Not only do forests contain high amounts of carbon, they exchange it very actively with the atmosphere. Expanding the world's forests, therefore, may present an opportunity to increase the terrestrial carbon sink, and slow the increase in atmospheric CO2 concentration. The tropical zones of the world seem particularly attractive for forestation because of the high rates of productivity that can potentially be attained there, and because there appear to be large areas of land that would benefit from tree planting. The analysis described here examines the carbon storage potential of short rotation tropical tree plantations in particular. Mean long-term carbon storage over multiple rotations was calculated for several commonly grown species.

Keywords: *Air pollution control, *Carbon dioxide, *Forestry, Sinks, Planting, Forest trees, Rotation, Length, Biomass, Accumulation, Biological productivity, Tropical regions, Removal, Carbon, Atmosphere, Tree plantations.

PB92-232909/REB PC **A03**/MF **A01**
Corvallis Environmental Research Lab., OR.
Toward a Rule-Based Biome Model (Journal Article).
Oregon State Univ., Corvallis.
R. P. Neilson, G. A. King, and G. Koerper. c1992, 19p EPA/600/J-92/328
Pub. in Landscape Ecology, v7 n1 p27-43 1992. See also PB91-226472. Prepared in cooperation with ManTech Environmental Technology, Inc., Corvallis, OR. Sponsored by Corvallis Environmental Research Lab., OR.

The current projections of the response of the biosphere to global climatic change indicate as much as 50% to 90% spatial displacement of extratropical biomes. The mechanism of spatial shift could be dominated by either (1) competitive displacement of northern biomes by southern biomes, or (2) drought-induced dieback of areas susceptible to change. The current suite of global biosphere models cannot distinguish between these two processes, thus determining the need for a mechanistically based biome model.

Keywords: *Biomes, *Climatic changes, Mathematical models, Droughts, Vegetation, Mortality, Damage, Greenhouse effect, Evapotranspiration, Plants(Botany), Air pollution, Tropical regions, Simulation, Global.

PB92-232917/REB PC **A03**/MF **A01**
Corvallis Environmental Research Lab., OR.
Biological Diversity and Biological Integrity: Current Concerns for Lakes and Streams. Journal article.
ManTech Environmental Technology, Inc., Corvallis, OR.
R. M. Hughes, and R. F. Noss. c1992, 11p EPA/600/J-92/329
Contract EPA-68-C8-0006
Pub. in Fisheries, v11 n19 May-Jun 1992. See also PB92-231497. Sponsored by Corvallis Environmental Research Lab., OR.

In discussing various concepts of biological diversity and biological integrity, the authors trace development of the terms from a focus on species to a consideration of ecosystems. The authors urge the public to extend its concern with species extinction and tropical rain forests to include temperate aquatic assemblages. Examples of losses in biological diversity and biological integrity are given for the genetic, species, assemblage, fauna, ecosystem, and landscape levels of biological organization.

Keywords: *Biotechnology, *Aquatic ecosystems, Flora, Fauna, Genetics, Surface waters, Endangered species, Protection, Ecology, Salmon, Rivers, Lakes, Estuaries, Fisheries, Evolution(Development), *Biological diversity, Oncorhynchus.

PB92-232925/REB PC **A03**/MF **A01**
Infrared Spectroscopy-Based Property-Reactivity Correlations for Predicting Environmental Fate of Organic Chemicals. Journal article.
Environmental Protection Agency, Athens, GA.
T. W. Collette. c1992, 13p EPA/600/J-92/330
Pub. in Environmental Toxicology and Chemistry, v11 n7 p981-991 Jul 92.

A conventional structure-activity relationship (SAR) has been established between the alkaline hydrolysis rate constants (Ksub OH)) of 12 alkyl and aryl formates and acetates and the linear combination of the frequencies of the C=O and C-O infrared (IR) absorbance peaks. The inability of the relationship to predict K(sub OH) values for more structurally diverse carboxylic acid esters led to the development of a prototype of a prediction system that employs multiple linear regression analysis, using points from the Fourier transforms (FTs) of IR spectra. Conventional SARs have also been observed between single IR peak parameters and the microbial degradation rate constants of

amides (C=O peak frequencies), 2,4-dichlorophenoxyacetate esters (C--H peak intensities), phenols (O--H peak frequencies), and anilines (N--H stretching peak intensities). These observations indicate the feasibility of extending the FT-based prediction system to microbial degradation when reliable rates are available for additional compounds. (Copyright (c) 1992 SETAC.)

Keywords: *Organic compounds, *Property reactivity correlations, *Structure activity relationships, *Environmental pollution, Water pollution, Infrared spectroscopy, Fourier transform spectrometers, Path of pollutants, Hydrolysis, Anilines, Reaction kinetics, Microorganisms, Oxidation, Esters, Molecular structure, Carboxylic acid esters, Reprints, *Fate constants, Fate of pollutants, Acetic acid/(dichlorophenoxy-ester).

PB92-232933/REB PC **A03**/MF **A01**
Environmental Research Lab., Athens, GA.
Analysis of Long-Term and Seasonal River Water Quality Changes in Latvia. Journal article.
Hydrochemical Inst., Rostov-na-Donu (USSR).
V. V. Tsirkunov, A. M. Nikanorov, M. M. Laznik, and Z. Dongwei. c1992, 14p EPA/600/J-92/331
Pub. in Water Research, v26 n9 p1203-1216 Sep 92. Sponsored by Environmental Research Lab., Athens, GA.

The paper presents the results of an analysis of long-term and seasonal river water quality changes in Latvia. Latvia was chosen mainly for two reasons: (1) there are relatively many river sites at which long-term observations have been made and (2) interpretation of the results is easier because only non-point sources of pollution have significant influence on river water quality at these sites. The report shows how to extract an optimal amount of information from the available historical water quality records using specially developed non-parametric tests and software.

Keywords: *Water quality, *Rivers, *Water pollution sampling, *Latvia, Long term effects, Seasonal variations, Nonpoint sources, Concentration(Composition), Statistical analysis, Hydrology, Ions, Nutrients, Reprints, *Foreign technology.

PB92-232941/REB PC **A02**/MF **A01**
Role of Property-Reactivity Relationships in Meeting the EPA's Needs for Environmental Fate Constants. Journal article.
Environmental Research Lab., Athens, GA.
W. T. Donaldson. c1992, 7p EPA/600/J-92/332
Pub. in Environmental Toxicology and Chemistry, v11 n7 p887-891 Jul 92. See also PB82-258096. Presented at the Symposium on Structure-Activity and Structure-Property Relationships (SARs) in Environmental Chemistry and Toxicology, Pacifichem '89, Honolulu, HI., December 17-22, 1989.

During the next 10 years, the Environmental Protection Agency may consider as many as 70,000 chemicals for potential risk to humans and the aquatic environment. As many as 14 kinetic and equilibrium constants can be required for predicting the fate and transport of each chemical, and relatively few reliable constants are available in the literature. Laboratory measurement of the needed constants is prohibitively expensive (as much as $7 billion for all constants and chemicals combined) and too slow for rapid response to site-specific evaluations. Development of reliable computational methods holds promise of a 100- to 1000-fold reduction in cost of providing fate constants within a reasonable time frame.

Keywords: *Chemical compounds, *Environmental transport, *Water pollution, *Property reactivity correlations, Path of pollutants, US EPA, Reaction kinetics, Chemical equilibrium, Cost analysis, Microorganisms, Reprints, *Fate constants, Exposure analysis modeling system, Fate of pollutants.

PB92-232958/REB PC **A02**/MF **A01**
Ozonation Byproducts: Identification of Bromohydrins from the Ozonation Natural Waters with Enhanced Bromide Levels. Journal article.
Environmental Research Lab., Athens, GA. Office of Research and Development.
J. E. Cavanagh, H. S. Weinberg, A. Gold, R. Sangalah, and D. Marbury. c1992, 7p EPA/600/J-92/333
Pub. in Environmental Science and Technology, v26 n8 p1658-1662 Aug 92. Prepared in cooperation with North Carolina Univ. at Chapel Hill. Dept. of Environmental Sciences and Engineering.

When ozone is used in the treatment of drinking water, it reacts with both inorganic and organic compounds to form byproducts. If bromide is present, it may be oxidized to hypobromous acid which may then react with natural organic matter (NOM) to form brominated organic compounds. The formation of bromoform has been well documented and, more recently, other byproducts such as bromoacetic acids, bromopicrin, cyanogen bromide, bromoacetones, and bromate, have been identified. The purpose of this communication is to report the identification of bromohydrins, a new group of labile brominated organic byproducts from the ozonation of a natural water in the presence of enhanced levels of bromide. (Copyright (c) 1992 American Chemical Society.)

Keywords: *Water treatment, *Ozonation, *Byproducts, *Water pollution detection, Organic matter, Bromine organic compounds, Water analysis, Gas chromatography, Fourier transform spectrometers, Reprints, *Bromohydrins.

PB92-232966/REB PC **A02**/MF **A01**
Environmental Research Lab., Athens, GA.
Approach to Calculating Wind-Driven Currents and Transport of Substances in Unstratified Water Bodies Using Curvilinear Coordinates. Journal article.
Vsesoyuznyi Nauchno-Issledovatel'skii Inst. Gidrotekhniki i Melioratsii, Kharkov (USSR).
Y. M. Plis. c1992, 8p EPA/600/J-92/334
Pub. in Water Resources Research, v28 n1 p83-88 Jan 92. Sponsored by Environmental Research Lab., Athens, GA.

A model of wind-driven currents and transport of substances in unstratified water bodies is presented. The model employs a coordinate system, consisting of curvilinear functions that are orthogonal in the horizontal plane and a coordinate of 'normalized depth.' The method of merging asymptotic expansions was used to obtain analytical expressions for components of current velocity as functions of wind stress and pressure anomaly gradient. The pressure anomaly was calculated using an equation that describes the influence of bottom topography, Coriolis force, inertial forces, wind friction, bottom friction, and lateral friction. (Copyright (c) 1992 by the American Geophysical Union.)

Keywords: *Mathematical models, *Environmental transport, *Water currents, *Spherical coordinates, *Water quality, Air water interactions, Water pollution, Turbulent flow, Fluid flow, Oceans, Freshwater, Wind(Meteorology), Reprints.

PB92-232974/REB PC **A03**/MF **A01**
Differences between Rats and Mice in the Immunosuppressive Activity of 2-Methoxyethanol and 2-Methoxyacetic Acid. Journal article.
Health Effects Research Lab., Research Triangle Park, NC.
R. J. Smialowicz, M. M. Riddle, W. C. Williams, C. B. Copeland, and R. W. Luebke. c1992, 11p EPA/600/J-92/335
Pub. in Toxicology 74, n1 p57-67 Aug 92. Prepared in cooperation with ManTech Environmental Technology, Inc., Research Triangle Park, NC.

In the study, the immunosuppressive potential of ME and MAA was evaluated in young adult female Fischer 344 rats and C57BL/6J mice. Rats and mice were dosed by gavage with either ME or MAA in water, at dosages ranging from 50 to 400 mg/kg/d, for 10 consecutive days. Rats and mice were examined for alterations in body, spleen and thymus weights, and mitogen-induced proliferation of splenic lymphocytes in vitro; separate groups were employed for the antibody plaque-forming cell (PFC) response to trinitrophenyl-lipopolysaccharide (TNP-LPS). Rats dosed at 100-400 mg/kg/d ME and rats dosed at 50-400 mg/kg/d MAA had decreased thymus weights in the absence of decreased body or spleen weights. Lymphoproliferative (LP) responses to concanavalin A (Con A), hytohemagglutinin (PHA), pokeweed mitogen (PWM) and Salmonella typhimurium mitogen (STM) were all reduced in rats treated with all dosages of ME and at dosages of MAA at or greater than 100mg/kg/d. In contrast to the effects of ME and MAA on these end points in the rat, no thymic involution or suppression of LP responses were observed in mice dosed at 50-400 mg/kg/d.

Keywords: *Immunosuppression, *Toxicity, Rats, Mice, Thymus gland, Organ weight, Graphs(Charts), Body weight, Species specificity, Reprints, *2-methoxyethanol, *2-methoxyacetic acid.

PB92-232982/REB PC **A03**/MF **A01**
Eyeblink Conditioning in the Developing Rat. Journal article.
Health Effects Research Lab., Research Triangle Park, NC.
M. E. Stanton, R. W. Skelton, and J. H. Freeman.
c1992, 11p EPA/600/J-92/336
Pub. in Behavioral Neuroscience, v106 n4 p657-665 Aug 92. Prepared in cooperation with Victoria Univ. (British Columbia), and North Carolina Univ. at Chapel Hill.

Long-Evans rat pups, 17-18 or 24 days of age, were trained with an eyeblink conditioning (EBC) procedure that has recently been used with adult rats. Pups received 3 sessions of delay conditioning in a single day, at about 4 hour intervals (100 trials/session). Trials involved pairings of an auditory conditioned stimulus (2.8 KHZ, 82 dB tone), and a periocular-shock unconditioned stimulus (US, 100msec, 2 mA), presented 280-msec apart. EBC was observed at both ages, but older pups learned much more rapidly. Subsequent experiments established that the effect is associative (Experiment 2), that age differences in EBC cannot be attributed to differences in the ability to respond or in sensitivity to the US (Experiment 3); and that EBC can be modulated by motivational state (Experiment 4). These results indicate that EBC can be studied in the developing rat. Further use of the preparation could help elucidate the relation between neural development and the ontogeny of learning.

Keywords: *Conditioning(Learning), Rats, Acoustic stimulation, Development, Nervous system, Reprints, *Eyeblink.

PB92-232990/REB PC **A03**/MF **A01**
Health Effects Research Lab., Research Triangle Park, NC.
Hepatocarcinogenicity of Chloral Hydrate, 2-Chloroacetaldehyde, and Dichloroacetic Acid in the Male B6C3F1 Mouse. Journal article.
Pathology Associates, Inc., West Chester, OH.
F. B. Daniel, A. B. DeAngelo, J. A. Stober, G. R. Olson, and N. P. Page. c1992, 12p EPA/600/J-92/337
Contracts EPA-68-03-3526, EPA-68-C8-0082
Pub. in Fundamental and Applied Toxicology, v19 n2 p159-168 Aug 92. See also PB91-242610. Prepared in cooperation with Page Associates, Gaithersburg, MD. Sponsored by Health Effects Research Lab., Research Triangle Park, NC.

Chloral hydrate (CH) and 2-chloroacetaldehyde (CAA) have been identified as chlorination by-products in drinking water. Both chemicals are genotoxic, but their carcinogenic potential had not been adequately tested. These bioassays were conducted using male B6C3F1 mice exposed to 1 g/L CH and 0.1 g/L CAA in the drinking water for 104 weeks. Distilled water served as the control; dichloroacetic acid (DCA; 0.5 g/L) was included. Mean daily doses of 166 mg/kg/day for CH, 17 mg/kg/day for CAA and 88 mg/kg/day for DCA were measured. Mortality, body weight, organ weights, gross pathology, and histopathology were examined. The primary target organ was the liver since the organ weights and pathologic changes in other organs were comparable between treated and untreated groups. Liver weights were increased for all chemicals at the terminal sacrifice with the greatest increases seen in the CH and DCA groups. Liver necrosis was induced by all test chemicals, but was most severe in the CH and DCA groups. A significant increase in the prevalence of liver tumors was seen for all chemicals. For DCA 63% of the mice had carcinomas and 43% had adenomas. The combined prevalence for both neoplasms was 75%. For CH, the prevalence for carcinomas, adenomas, and combined tumors was 46%, 29%, and 71% respectively.

Keywords: *Liver neoplasms, *Chloral hydrate, *Dichloroacetate, *Carcinogens, Mice, Males, Dose-response relationships, Body weight, Organ weight, Water consumption, Pathology, Adenoma, Carcinoma, Reprints, *2-chloroacetaldehyde.

PB92-233006/REB PC **A03**/MF **A01**
Health Effects Research Lab., Research Triangle Park, NC. Environmental Toxicology Div.
Host Resistance to 'Trichinella spiralis' Infection in Rats and Mice: Species-Dependent Effects of Cyclophosphamide Exposure. Journal article.
NSI, Inc., Research Triangle Park, NC.
R. W. Luebke, C. B. Copeland, D. L. Andrews, M. M. Riddle, and R. J. Smialowicz. c1992, 19p EPA/600/J-92/338
Contract EPA-68-02-4450
Pub. in Toxicology, v73 n3 p305-321 Jul 92. Sponsored by Health Effects Research Lab., Research Triangle Park, NC. Environmental Toxicology Div.

Host resistance to Trichinella spiralis infection was compared in rats (F344) and mice (C57BL/6J) following various cyclophosphamide (CY) treatment schedules. Doses of CY given to mice were adjusted by body surface area to be comparable to rat doses. Adult parasite elimination was not affected by oral administration of 1.5, 3 or 6 mg CY/kg/d to rats or 1.05, 2.1 or 4.2 mg CY/kg/d to mice for 10 d. In rats, resistance was suppressed by a single oral dose of 80 mg/kg given the day prior to infection, but was not affected at 20 or 40 mg/kg. A single oral dose of 14, 28 or 56 mg CY/kg did not affect parasite expulsion in mice. Rats were also given 4 daily intraperitoneal (ip) injections of 20, 40 or 80 mg CY/kg/d and mice received 14, 28 or 56 mg CY/kg/d. Infected rats did not survive at the two higher dose levels and parasite expulsion was suppressed at 20 mg/kg/d; parasite expulsion was suppressed in mice by 4 ip injections of 56 mg CY/kg/d, but not by lower doses. In rats, doses oc CY which suppressed adult parasite expulsion also severely suppressed the cellular proliferative response to an extract of T. spiralis (TsE). However, significient suppression of TsE-driven blastogenesis occurred at a dose of CY which did not affect parasite expulsion, indicating that the proliferative response in rats was more sensitive to suppression than actual parasite elimination.

Keywords: *Trichonosis, *Pharmacology, *Cyclophosphamide, *Immunity, Cell division, Dose-response relationships, Graphs(Charts), Reprints, *Trichinella spiralis.

PB92-233014/REB PC **A03**/MF **A01**
Health Effects Research Lab., Research Triangle Park, NC.
Relative Mesothelioma Induction in Rats by Mineral Fibers: Comparison with Residual Pulmonary Mineral Fiber Number and Epidemiology. Journal article.
North Carolina Univ. at Chapel Hill.
D. L. Coffin, P. M. Cook, and J. P. Creason. c1992, 30p EPA/600/J-92/339
Grant EPA-R-817643
Pub. in Inhalation Toxicology, v4 n3 p273-300 Jul 92. See also PB88-250246. Sponsored by Health Effects Research Lab., Research Triangle Park, NC.

Large differences in mesothelioma induction by various minerals were demonstrated in rats on the basis of tumor to fiber ratios. Erinoite was 500-800 times more tumorigenic and crocidolite 30-60 times more tumorigenic than chysotile. Erionite was relatively more potent when introduced intratrachealy than either asbestos. The data rank similarly to human exposure to the same mineral fibers. The authors propose that a factor here termed intrinsic potency probably related to surface activity overrides both fiber number and geometric configuration when fibers of strongly different tumorigenicity are compared. The potency difference may be related to differing tendencies of the respective surfaces to coordinate endogenous iron and release free radicals via the Fenton reaction during the reduction from the ferric to the ferrous state. It is suggested that such potency differences may explain the failure of certain man-made fibers to induce mesothelioma from inhalation exposure because of insufficient dose reaching the mesothelium. (Copyright (c) 1992 by Hemisphere Publishing Corporation.)

Keywords: *Mesothelioma, *Lung, *Asbestos, *Epidemiology, Comparison, Electron microscopy, Environmental exposure pathways, Rats, *Air pollutants, Reprints, *Mineral fibers.

PB92-233022/REB PC **A02**/MF **A01**
Ineffectiveness of Cough for Enhancing Mucus Clearance in Asymptomatic Smokers. Journal article.
Health Effects Research Lab., Research Triangle Park, NC. Human Studies Div.
W. D. Bennett, W. F. Chapman, and T. R. Gerrity. c1992, 7p EPA/600/J-92/340
Pub. in Chest 102, n2 p412-416 Aug 92. Prepared in cooperation with North Carolina Univ. at Chapel Hill. Center for Environmental Medicine and Lung Biology.

Using monodisperse aerosols radiolabeled with (99m)Tc, the authors studied the effectiveness of cough and rapid inhalations for clearing mucus in ten asymptomatic smokers. On three separate study days, each subject breathed 5 micrometers (MMAD) (99m)Tc-iron oxide particles under controlled breathing conditions. While seated in front of a gamma camera, retention (R) of lung activity (measured as a percent of initial activity) was measured over the initial 2 h and again at 24 h following particle inhalation. On the control day the subject sat quietly in front of the camera, while on the cough day each subject performed 60 controlled coughs during the first hour of retention measurements, and on the rapid inhalation study day each subject performed 90 rapid inhalations during the first hour of retention measurements. Because breathing patterns were controlled during particle inhalation, initial lung deposition patterns were matched on control, cough, and rapid inhalation study days. By paired analysis, retentions at both 1 and 2 h R(sub 1) and R(sub 2) for the cough and rapid inhalation measurements were not significantly different from control. Retention at 24 h (R(sub 24)) was not significantly different between cough, rapid inhalation, and control measurements (mean cough R(sub 24) = 15 percent, mean rapid inhalation R(sub 24) = 14 percent, mean control R(sub 24) = 17 percent).

Keywords: *Cough, *Mucus, *Smoking, Aerosols, Spirometry, Respiration, Organotechnetium compounds, Reprints.

PB92-233030/REB PC **A02**/MF **A01**
Methodological Issues in Human Exposure Studies of Low Level Solvent Mixtures, Journal article.
Health Effects Research Lab., Research Triangle Park, NC.
D. Otto, H. K. Hudnell, and J. Prah. c1992, 9p EPA/600/J-92/341
Pub. in Applied Psychology: An International Review, v41 n3 p239-245 Mar 92.

The design of appropriate studies to assess the sensory irritant and neurobehavioral effects of exposure to complex VOC mixtures poses a variety of methodological challenges, particularly at the low levels found in new buildings. For instance, Otto et al (1989) exposed subjects to a 25 mg/m3 mixture of 22 VOCs representative of the highest concentration encountered in new homes. The concentration is equivalent, in mass, to about 7 ppm toluene. As one might predict, the mixture produced no consistent effects on the performance of an extensive neurobehavioral test battery, but did elicit classical SBS symptoms of eye and throat irritation, headache and fatigue. Failure to find functional deficits could be due to several factors. Perhaps the tests were not sensitive (or difficult) enough to detect effects. The authors used the neurobehavioral evaluation system which was designed for occupational field studies. Further study is needed to determine the optimal testing parameters for use in repeated-measure laboratory studies of university students. Further study is also needed to determine which subsets of the population are most vulnerable to adverse effects of VOC exposure. Finally, other physiological endpoints (e.g., measures of inflammation and pulmonary function) need to be explored.

Keywords: *Solvents, *Toxicology, Irritants, Neuropsychological tests, Eye(Anatomy), Pharynx, Inflammation, Respiratory function tests, Indoor air pollution, Reprints, Volatile organic compounds.

PB92-233055/REB PC **A04**/MF **A01**
Environmental Protection Agency, Research Triangle Park, NC. Office of Air Quality Planning and Standards.
Technical Support Document to Aid States with the Development of Carbon Monoxide State Implementation Plans.
Pechan (E.H.) and Associates, Inc., Springfield, VA.
E. H. Pechan. Jul 92, 55p EPA/452/R-92/003
Sponsored by Environmental Protection Agency, Research Triangle Park, NC. Office of Air Quality Planning and Standards.

Section 104 of the Clean Air Act (Act) Amendments of 1990 (CAAA) amends Part D of Title I of the Act by adding additional provisions for carbon monoxide (CO) nonattainment areas (Subpart 3). Sections 186 and 187 pertain to the classification of CO nonattainment areas and to the submission requirements of the State implementation plans (SIP's) for these areas, respectively. This document provides the States with guidance in developing their SIP for the moderate and serious CO nonattainment areas under their administration. This document should be used in conjunction with discussions between the States and the Environmental Protection Agency (EPA) Regional Office staffs and with other relevant EPA offices, as well as with the appropriate referenced EPA materials. The purpose of this guidance is to provide technical specifications to support the policy presented in the 'General Preamble: Implementation of Title I CAAA of 1990' (57 FR 13948).

Keywords: *State implementation plans, *Carbon monoxide, *Air pollution abatement, Requirements, Clean Air Act, Guidelines, US EPA, Regional analysis, Fuels, Specifications, Pollution sources, Air pollution control, Stationary sources, Mobile pollutant sources, Motor vehicles.

PB92-233063/REB PC **A03**/MF **A01**
Selecting Priority Nonpoint Source Projects: You Better Shop Around.
Environmental Protection Agency, Washington, DC. Office of the Assistant Administrator for Water.
K. J. Adler, and M. D. Smolen. 7 Aug 89, 49p EPA/506/2-89/003
Prepared in cooperation with North Carolina State Univ. at Raleigh.

The manual presents six examples of how states identify their priorities for treatment of impaired or threatened water bodies. These case studies are intended to help you as a water quality manager to develop or refine your own process for ranking NPS impaired or threatened water bodies. The manual does not provide 'cookbook' approaches to ranking water bodies. Rather, it provides examples that you may modify to suit your state's approach to managing NPS pollution. State and federal water quality managers are encouraged to use or adapt these examples to their state NPS management programs where appropriate so that selected projects: (1) restore the greatest beneficial uses at a reasonable cost, and (2) increase the likelihood of a successful NPS project--given available resources and program authority.

Keywords: *Water treatment, *Surface waters, Manuals, Water quality management, Ranking, Rivers, Lakes, Streams, Agriculture, Cost analysis, Case studies, Priorities.

PB92-233071/REB PC **A01**/MF **A01**
Citizen's Guide to How Innovative Treatment Technologies Are Being Successfully Applied at Superfund Sites. Technology fact sheet.
Environmental Protection Agency, Washington, DC. Office of Solid Waste and Emergency Response.
Mar 92, 5p EPA/542/F-92/002

Treatment technologies are processes applied to the treatment of haZardous waste or contaminated materias, such as soils, sludges, sediments and debris, to permanently alter their condition through chemical, biological, or physical means. They are used as an alternative to merely containing the hazardous substances on site or in a hazardous waste landfill that is designed and operated under the Federal Resource Conservation Recovery Act (RCRA) regulations. Today, treatment technologies are being tailored to deal with specific hazardous wastes.

Keywords: *Hazardous materials, *Waste treatment, Soils, Sludge, Sediments, Debris, Sites, Guidelines, Earth fills, Innovative treatment.

PB92-233089/REB PC **A01**/MF **A01**
Citizen's Guide to Solvent Extraction. Technology fact sheet.
Environmental Protection Agency, Washington, DC. Office of Solid Waste and Emergency Response.

Mar 92, 5p EPA/542/F-92/004

Solvent extraction is a treatment technology that uses a solvent (a fluid that can dissolve another substance) to separate or remove hazardous organic contaminants from sludges, sediments, or soil. Solvent extraction does not destroy contaminants. It concentrates them so they can be recycled or destroyed. It is used in combination with other technologies to destroy the separated concentrated contaminants. When the soil enters an extractor (a tank where the contaminated soil is mixed with the solvent), the soil is separated into three components, or fractions: solvent with dissolved contaminants, solids, and water. Contaminants are concentrated into each of these fractions. For example, PCBs (polychlorinated biphenyls) concentrate in the contaminated solvent mixture, while metals are left behind in the solids and water.

Keywords: *Extraction, *Solvents, *Hazardous materials, *Waste treatment, Industrial wastes, Sewage treatment, Concentration(Composition), Separation, Solids, Liquids, Screening, Waste disposal, Removal, Residues, Containment, Recycling, Guidelines.

PB92-233097/REB PC **A02**/MF **A01**
Citizen's Guide to Soil Washing. Technology fact sheet.
Environmental Protection Agency, Washington, DC. Office of Solid Waste and Emergency Response.
Mar 92, 6p EPA/542/F-92/003

Soil washing is a technology that uses liquids (sometimes combined with chemical additives) and a mechanical process to scrub soils. The scrubbing removes hazardous contaminants and concentrates them into smaller volume. After the soil washing process is completed, the smaller volume of soil, which contains the majority of the fine silt and clay particles, can be further treated by other methods (such as incineration or bioremediation) or disposed of according to State and Federal regulations.

Keywords: *Washing, *Soil, *Hazardous materials, Liquids, Additives, Removal, Volume, Concentration, Silts, Clay soils, Incinerators, Waste disposal, Screening, Debris, Regulations, Bioremediation.

PB92-233105/REB PC **A02**/MF **A01**
Citizen's Guide to Glycolate Dehalogenation. Technology fact sheet.
Environmental Protection Agency, Washington, DC. Office of Solid Waste and Emergency Response.
Mar 92, 6p EPA/542/F-92/005

Glycolate dehalogenation is the process of using a chemical reagent (a glycol in this case) to remove halogen from contaminants, consequently rendering them less hazardous. A chemical reagent is a substance used to react with and change another substance. This dehalogenation process can be used on halogenated contaminants such as PCBs and dioxins that may be found in soil and oils.

Keywords: *Glycols, *Dehalogenation, *Hazardous materials, Soils, Agents, Alkali metals, Contaminants, Halogens, Glycolate, Polychlorinated biphenyls, Dioxins.

PB92-233113/REB PC **A02**/MF **A01**
Citizen's Guide to In situ Soil Flushing. Technology fact sheet.
Environmental Protection Agency, Washington, DC. Office of Solid Waste and Emergency Response.
Mar 92, 6p EPA/542/F-92/007

The Fact Sheet contains a description of what in situ soil flushing is; how it works; why consider in situ soil flushing; will soil flushing work at the site; where is it being selected; and how to obtain more information.

Keywords: *Superfund, *Hazardous materials, *Waste management, Remedial action, Public information, Technology innovation, In-situ processing, Soil treatment, Land pollution control, Injection, Surfactants, *Innovative treatment technologies, *Office of Solid Waste and Emergency Response, *Soil flushing, Soil washing.

PB92-233121/REB PC **A03**/MF **A01**
Superfund Innovative Technology Evaluation Program: Spring Update to the Technology Profiles. Fourth Edition.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
Apr 92, 22p EPA/540/R-92/012
See also PB92-224294.

The SITE Program promotes the development and implementation of innovative treatment technologies that (1) reduce the toxicity, mobility, or volume of hazardous waste, and (2) monitor the nature and extent of hazardous waste site contamination. To accomplish these tasks, the SITE Program consists of four interrelated programs: Demonstration Program; Emerging Technology Program; Monitoring and Measurement Technologies Program; and Technology Transfer Program.

Keywords: *Hazardous materials, *Waste treatment, Monitoring, Solid waste disposal, Toxicity, Project planning, Technology transfer, Cost estimates, *Superfund, Innovative technology, Demonstration projects.

PB92-233139/REB PC **A01**/MF **A01**
RED Facts: 'Allium sativum' (Garlic). Fact sheet.
Environmental Protection Agency, Washington, DC. Office of Pesticide Programs.
Jun 92, 5p EPA/540/FS-92/210
See also PB92-220235.

EPA is directed by the Federal Insecticide, Fungicide, and Rodenticide Act as amended in 1988 (FIFRA '88) to review all pesticide products containing active ingredients initially registered before November 1, 1984, and to reregister those products that have a substantially complete data base and do not pose unreasonable adverse effects to people or the environment. The pesticide reregistration program is to be completed by the late 1990's. The RED FACTS fact sheet summarizes EPA's conclusion, as set forth in the Reregistration Eligibility Document (or RED), that products containing a pesticide do not pose unreasonable risks when used as directed by Agency-approved labeling, and are eligible for reregistration.

Keywords: *Regulations, *Pesticides, Registration, Ingredients, Environmental impacts, Humans, Risk, Marking, Chemical information fact sheet, Reregistration.

PB92-233147/REB PC **A03**/MF **A01**
EPA's Pesticide Programs.
Environmental Protection Agency, Washington, DC. Office of Pesticides and Toxic Substances.
May 91, 29p EPA21T-1005
See also PB92-188978.

Few chemicals have had as much impact or been the subject of as much controversy in recent decades as pesticides. The booklet is intended to introduce readers to EPA's pesticide programs. Pesticide registration and food safety are discussed first, followed by descriptions of other pesticide programs. The appendices at the back of the booklet contain a glossary of technical terms, a list of materials for further reading and reference, and the addresses and telephone numbers of pesticide program contacts in EPA headquarters and 10 regional offices and in all 50 states.

Keywords: *Regulations, *Pesticides, *Tolerances(Physiology), US EPA, Evaluation, Review, Monitoring, Farms, Workers, Safety, Endangered species, Training, Ground water, Ingredients, Prevention, Reregistration.

PB92-233154/REB PC **A06**/MF **A02**
National Estuary Program After Four Years: A Report to Congress.
Environmental Protection Agency, Washington, DC. Office of the Assistant Administrator for Water.
Apr 92, 101p EPA/503/9-92/007
See also PB91-168385.

The National Estuary Program After Four Years: A Report to Congress is a status report on the National Estuary Program (NEP) and the seventeen Management Conferences that are part of the NEP. The Report is divided into: Part I Meeting a Need: The National Estuary Program; Part II Understanding Estuaries: The Key to Better Management; Part III Managing Estuaries: The Best Methods; Part IV Assessing the NEP: What Has Been Learned; Part V Looking to the Future: Trends and Needs; and Part VI Moving Ahead: The NEP Projects.

Keywords: *Aquatic ecosystems, *Estuaries, *Coasts, *Water quality management, Water pollution control, Habitats, Narragansett Bay, Puget Sound, San Francisco Estuary, Delaware Estuary, Galveston Bay, Santa Monica Bay, New York - New Jersey Harbor Estuary, Sarasota Bay, Casco Bay, Massachusetts Bays, Tampa Bay, Shellfish, Regulations, National Estuary Program.

PB92-233287/REB PC **A13**/MF **A03**
Handbook of RCRA Ground-Water Monitoring Constituents: Chemical and Physical Properties (40 CFR Part 264, Appendix 9). Handbook.
Environmental Protection Agency, Washington, DC. Office of Solid Waste.
J. Brown. Sep 92, 290p EPA/530/R-92/022

The Handbook contains physical and chemical properties of constituents listed in 40 CFR Part 264, Appendix 9. The constituents contained in the Handbook are those currently listed in Appendix 9, however, the Handbook also contains constituents that are being considered for addition to or deletion from Appendix 9.

Keywords: *Ground water, *Hazardous materials, *Chemical analysis, Project management, Physical properties, Handbooks, Chemical properties, Acetone, Naphthylene, Antimony, Benzene, Barium, Parathion, Molecular weight, Specific gravity, Solubility, Chlorine organic compounds, *Superfund, Resource Conservation and Recovery Act(RCRA), Listings, CAS numbers.

PB92-233881/REB PC **A05**/MF **A01**
Forum on Innovative Hazardous Waste Treatment Technologies (3rd): Domestic and International. Held in Dallas, Texas on June 11-13, 1991. Abstract Proceedings.
Environmental Protection Agency, Washington, DC. Office of Solid Waste and Emergency Response.
Sep 91, 84p EPA/540/2-91/016
See also PB92-219732.

On June 11-13, 1991, the U.S. Environmental Protection Agency's Technology Innovation Office and Risk Reduction Engineering Laboratory hosted an international conference in Dallas, TX, to exchange solutions to hazardous waste treatment problems. During the conference, scientists and engineers representing government agencies, industry, and academia attended 37 presentations describing domestic and international technologies for the treatment of waste, sludges, and contaminated soils at uncontrolled hazardous waste disposal sites. Technologies included physical/chemical, biological, thermal, and stabilization techniques presented by EPA and other federal government agency contractors. Domestic and international scientists and vendors presented over 50 posters explaining their treatment methods and results. The document contains abstracts of the presentations from the conference, and many of the posters that were on display.

Keywords: *Hazardous materials, *Waste treatment, *Meetings, Ground water, Soils, Cleaning, Stabilization, Earth fills, Incinerators, Sites, Vapors, Biodeterioration, Circulation, Reverse osmosis, Vapor extraction.

PB92-233899/REB PC **A03**/MF **A01**
Healthy Lawn, Healthy Environment. Caring for Your Lawn in an Environmentally Friendly Way.
Environmental Protection Agency, Washington, DC. Office of Pesticide Programs.
Jun 92, 21p EPA/700/K-92/005

A preventive health care program for your lawn should have the following steps: Develop healthy soil; Choose a grass type that thrives in your climate; Mow high, often, and with sharp blades; Water deeply but not too often; Correct thatch build-up; and Set realistic goals.

Keywords: *Soil erosion, *Grasses, *Plant diseases, Pesticides, Weed control, Insect control, Fertilizers, Nitrogen, Phosphorus, Potassium, *Lawns.

PB92-235563/REB PC **A02**/MF **A01**
Citizen's Guide to Innovative Treatment Technologies for Contaminated Soils, Sludges, Sediments and Debris. Technology fact sheet.
Environmental Protection Agency, Washington, DC. Office of Solid Waste and Emergency Response.
Mar 92, 6p EPA/542/F-92/001

The Fact Sheet contains what innovative treatment technologies are; why they are used; the different types; how the treatment technologies are selected and which are used; what happens of a technology does not work; where innovative treatment technologies are being selected; why EPA is encouraging the use of these treatments; and how more information can be obtained.

Keywords: *Superfund, *Waste management, *Hazardous materials, Guidelines, Technology innovation, Soil treatment, Remedial action, Sludges, Land pollution control, Sediments, Public information, Substitutes, *Innovative treatment technologies, *Office of Solid Waste and Emergency Response.

PB92-235571/REB PC **A01**/MF **A01**
Citizen's Guide to Bioventing. Technology fact sheet.
Environmental Protection Agency, Washington, DC. Office of Solid Waste and Emergency Response.
Mar 92, 5p EPA/542/F-92/008

The Fact Sheet contains a description of bioventing; what it is; how it works; why this type of treatment should be used; will bioventing work on the site; where it is being selected; and how to get more information on the subject.

Keywords: *Superfund, *Hazardous materials, *Waste management, In-situ processing, Guidelines, Public information, Biological treatment, Microorganisms, Remedial action, Oxidation, Injection, Aeration, Technology innovation, *Innovative treatment technologies, *Soil venting, *Office of Solid Waste and Emergency Response.

PB92-235589/REB PC **A01**/MF **A01**
Citizen's Guide to Using Indigenous and Exogenous Microorganisms in Bioremediation. Technology fact sheet.
Environmental Protection Agency, Washington, DC. Office of Solid Waste and Emergency Response.
Mar 92, 5p EPA/542/F-92/009

The Fact Sheet contains a description of bioremediation; what indigenous and exogenous microorganisms are; how these microorganisms are used; what sites can use these microorganisms; and how to obtain more information.

Keywords: *Superfund, *Hazardous materials, *Waste management, Remedial action, Biological treatment, Land pollution control, Public information, Technology innovation, Biodeterioration, Waste treatment, Soil treatment, Oil pollution, Soil surveys, *Innovative treatment technologies, *Office of Solid Waste and Emergency Response, *Indigenous microorganisms, Exogenous microorganisms.

PB92-235597/REB PC **A01**/MF **A01**
Citizen's Guide to Air Sparging. Fact sheet.
Environmental Protection Agency, Washington, DC. Office of Solid Waste and Emergency Response.
Mar 92, 5p EPA/542/F-92/010

The Fact Sheet contains a description of air sparging; how it works; why use this treatment method; will it always work; where air sparging is being used; and how to get more information on this treatment.

Keywords: *Superfund, *Hazardous materials, *Waste management, Guidelines, Soil treatment, Technology innovation, Land pollution control, Injection, Public information, Zone of saturation, Water pollution control, Ground water, Aeration, *Innovative treatment technologies, *Air sparging, *Office of Solid Waste and Emergency Response, Soil vapor extraction.

PB92-235605/REB PC **A02**/MF **A01**
Evaluation of Soil Venting Application. Ground Water Issue.
Environmental Protection Agency, Washington, DC. Office of Solid Waste and Emergency Response.
D. C. DiGiulio. Apr 92, 9p EPA/540/S-92/004

The Regional Superfund Ground-Water Forum is a group of scientists, representing EPA's Regional Superfund Offices, organized to exchange up-to-date information related to ground-water remediation at Superfund sites. One of the major issues of concern to the Forum is the transport and fate of contaminants in soil and ground water as related to subsurface remediation. The ability of soil venting to inexpensively remove large amounts of volatile organic compounds (VOCs) from contaminated soils is well established. However, the time required using venting to remediate soils to low contaminant levels often required by state and federal regulators has not been adequately investigated. Discussion is presented to aid in evaluating the feasibility of venting application. Methods to optimize venting application are also discussed.

Keywords: *Waste management, *Superfund, *Hazardous materials, *Water pollution control, *Ground water, Soil treatment, Volatile organic compounds, Remedial action, Land pollution control, Aeration, Subsurface investigations, Environmental transport, Feasibility studies, Mass transfer, *Soil venting, *Innovative treatment technologies.

PB92-235613/REB PC **A01**/MF **A01**
Superfund Innovative Technology Evaluation (SITE): Demonstration Bulletin. Flame Reactor, Horsehead Resource Development Company, Inc.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
Aug 91, 4p EPA/540/M5-91/005

The Horsehead Resource Development Company, Inc. (HRD) Flame Reactor is a patented and proven high temperature thermal process designed to safely treat industrial residues and wastes containing metals. During processing, the waste material is introduced into the hottest portion of the Flame Reactor, where the wastes are subjected to a very hot reducing gas (greater than 2000 C) produced from the combustion of solid or gaseous hydrocarbon fuels in oxygen-enriched air. The metal vapors further react and cool in the combustion chamber and cooling system to produce a metal-enriched oxide that is collected in a baghouse. The resulting metal oxides can be recycled to recover the metals. The amount of waste reduction to slag and oxide depends on the chemical and physical properties of the waste material.

Keywords: *Thermal reactors, *Waste treatment, *High temperature tests, *Slags, Technology innovation, Performance evaluation, Materials recovery, Metals, Air pollution control, Metal oxides, Industrial wastes, Baghouses, Process charting, Combustion chambers, *Superfund innovative technology evaluation.

PB92-235621/REB PC **A01**/MF **A01**
RED Facts: Putrescent Whole Egg Solids. Fact sheet.
Environmental Protection Agency, Washington, DC. Office of Pesticides and Toxic Substances.
Jun 92, 5p EPA/540/FS-92/211
See also PB92-220227.

EPA is directed by the Federal Insecticide, Fungicide, and Rodenticide Act as amended in 1988 (FIFRA '88) to review all pesticide products containing active ingredients initially registered before November 1, 1984, and to reregister those products that have a substantially complete data base and do not pose unreasonable adverse effects to people or the environment. The pesticide reregistration program is to be completed by the late 1990's. The RED FACTS fact sheet summarizes EPA's conclusion, as set forth in the Reregistration Eligibility Document (or RED), that products containing a pesticide do not pose unreasonable risks when used as directed by Agency-approved labeling, and are eligible for reregistration. The fact sheet summaries the information in the RED for putrescent whole egg solids.

Keywords: *Pesticides, *Toxic substances, *Repellents, Environmental impact assessments, Hazardous materials, Public health, Regulations, Ecology, *Chemical Information Fact Sheet, *Reregistration, *Putrescent whole egg solids, Federal Insecticide Fungicide and Rodenticide Act, Use patterns, Science findings.

PB92-235639/REB PC **A02**/MF **A01**
RED Facts: Alkyl Amine Hydrochloride. Fact sheet.
Environmental Protection Agency, Washington, DC. Office of Pesticides and Toxic Substances.
Aug 92, 6p EPA/540/FS-92/212
See also PB92-220219.

EPA is directed by the Federal Insecticide, Fungicide, and Rodenticide Act as amended in 1988 (FIFRA '88) to review all pesticide products containing active ingredients initially registered before November 1, 1984, and to reregister those products that have a substantially complete data base and do not pose unreasonable adverse effects to people or the environment. The pesticide reregistration program is to be completed by the late 1990's. The RED FACTS fact sheet summarizes EPA's conclusion, as set forth in the Reregistration Eligibility Document (or RED), that products containing a pesticide do not pose unreasonable risks when used as directed by Agency-approved labeling, and are eligible for reregistration. The fact sheet summaries the information in the RED for alkyl amine hydrochloride.

Keywords: *Pesticides, *Toxic substances, *Antimicrobial agents, Preservatives, Hazardous materials, Standards, Exposure, Regulations, Toxicology, Ecology, Amines, Hydrochlorides, Path of pollutants, Public health, Exposure, Occupational safety and health, Risk assessment, Labels, *Chemical Information Fact Sheet, *Reregistration, *Alkyl amine hydrochloride, Use patterns, Science findings.

PB92-235647/REB PC **A20**/MF **A04**
RACT/BACT/LAER Clearinghouse: A Compilation of Control Technology Determinations. Second Supplement to the 1990 Edition. Final rept.
Environmental Protection Agency, Research Triangle Park, NC. Office of Air Quality Planning and Standards.
J. E. Steigerwald. Jul 92, 452p EPA/453/R-92/002
See also PB91-231548.

The Clean Air Act as amended in 1977 prescribes several technology-based limitations affecting new or modified air pollution sources: (1) new source performance stds. (NSPS); (2) best available control technology (BACT); and (3) lowest achievable emission rate (LAER). The basic purposes of the RACT/BACT/LAER Clearinghouse are to: (1) provide State and local air pollution control agencies with current information on case-by-case control technology determinations that are made nationwide and (2) promote communication, cooperation, and sharing of control technology information among the permitting agencies. The information presented in the compilation was abstracted from preconstruction permits and submitted voluntarily by the State and local air pollution control agencies. The Clearinghouse is intended as a reference for State and local agencies in making RACT/BACT/LAER decisions. Since the 1985 BLC document was published in June of that year, annual supplements containing only those determinations inserted or revised during the previous 12 months were published.

Keywords: *Best technology, *Air pollution control, Performance standards, Tests, Air pollution abatement, US EPA, Technology utilization, Licenses, State government, Local government.

PB92-235654/REB PC **A02**/MF **A01**
Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.
Waste Reduction Activities and Options for a Nuclear Powered Electrical Generating Station. Environmental research brief.
New Jersey Inst. of Tech., Newark.
P. Eyraud, and D. J. Watts. Aug 92, 6p EPA/600/S-92/025
Sponsored by Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.

The U.S. Environmental Protection Agency (EPA) funded a project with the New Jersey Department of Environmental Protection and Energy (NJDEPE) to assist in conducting waste minimization assessments at thirty small- to medium-sized businesses in the state of New Jersey. One of the sites selected was a nuclear powered electrical generating station. A site visit was made in 1990 during which several opportunities for waste minimization were identified. The assessment identified waste oil and oil/water mixtures, coatings, solvents, grease and laboratory reagents as significant contributors to the facility's waste stream. Options

identified for waste reduction included strengthened inventory controls, encouragement of 'just-in-time' delivery of supplies, direct charge back of waste treatment expenses to the unit or project responsible for the waste, encouragement of the use of materials with reduced hazard level, and change of the frequency or material used for coating of surfaces.

Keywords: *Nuclear power plants, *Hazardous materials, *Waste management, New Jersey, Oil wastes, Coatings, Solvents, Greases, Chemical compounds, Waste treatment, Assessments, Electric power generation, *Source reduction, *Waste minimization.

PB92-235662/REB PC **A03**/MF **A01**
Searching for a Water Supply Connection in the Cabool, Missouri Disease Outbreak of 'Escherichia coli' 0157:H7. Journal article.
Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.
E. E. Geldreich, K. R. Fox, J. A. Goodrich, E. W. Rice, and R. M. Clark. c1992, 12p EPA/600/J-92/284
Pub. in Water Research, v26 n8 p1127-1137 1992. Prepared in cooperation with National Center for Infectious Diseases, Atlanta, GA. Enteric Diseases Branch.

A field investigation of a recent disease outbreak resulting in three deaths, 34 hospitalizations and a total of 240 documented cases of diarrhea was linked through on-site data gathering and use of a distribution system model to the public water supply. The pathogenic agent, E. coli serotype 0157:H7, was isolated from patient's feces and cases were restricted to people using public water supply. Untreated ground water quality was not a factor but some disturbance in the distribution system, possibly 2 line breaks allowed contaminants to enter the water supply. This is the first time a distribution system model has been used to show that the pattern of illness occurrences in a waterborne outbreak study were related to water movement patterns in the distribution network.

Keywords: *Escherichia Coli, *Water supply, *Water pollution, Humans, Feces, Diarrhea, Isolation, Water distribution, Distribution systems, Models, Ground water, Reprints, Water borne diseases.

PB92-235670/REB PC **A05**/MF **A02**
Summary of Selected New Information on Effects of Ozone on Health and Vegetation: Supplement to 1986 Air Quality Criteria for Ozone and Other Photochemical Oxidants.
Environmental Protection Agency, Research Triangle Park, NC. Environmental Criteria and Assessment Office.
D. L. Costa, L. J. Folinsbee, J. A. Raub, B. Tilton, and D. T. Tingey. Jan 92, 100p EPA/600/8-88/105F
See also PB87-142949 and PB89-135123.

Since completion of the 1986 Air Quality Criteria Document for Ozone, additional information has become available that warrants consideration by U.S. Environmental Protection Agency (U.S. EPA) in its review of the National Ambient Air Quality Standards (NAAQS) for ozone. The summary reviews and evaluates selected literature published from 1986 through early 1989 on the vegetation and health effects resulting from exposure to ozone. Emphasis has been placed on evaluation of key human health effects literature and other data most pertinent to determination by U.S. EPA of the appropriate level and form of the primary NAAQs and the appropriate form of the secondary NAAQs.

Keywords: *Air pollution effects(Humans), *Air pollution effects(Plants), *Air quality, *Ozone, *Oxidants, Photochemical reactions, Public health, Vegetation, US EPA, National Ambient Air Quality Standards, Air pollution standards, Epidemiology, Laboratory animals, Exposure, Risk assessment, Respiratory diseases.

PB92-235688/REB PC **A08**/MF **A02**
Mobile Air-Conditioning Recycling Manual. Final rept. Nov 90-Dec 91.
Environmental Protection Agency, Research Triangle Park, NC. Air and Energy Engineering Research Lab.
D. L. Harmon. Sep 92, 165p EPA/600/R-92/171
See also PB89-169882 and PB89-221287.

The report gives guidelines on the recovery and recycle of the chlorofluoro-carbon (CFC), dichlorodifluoromethane (CFC-12), from mobile air conditioners. It is intended for wide distribution internationally and is especially for use by developing countries and the World Bank to assist such nations in phasing out or avoiding the future use of ozone-depleting CFCs. These guidelines will aid these countries in maintaining a supply of such chemicals. The report provides information on existing recovery/recycle technologies used for mobile air conditioners and references other reliable, authoritative sources of information for more detail. The steps that should be considered in developing and implementing a national mobile air-conditioning refrigerant recycle program are discussed.

Keywords: *Refrigerants, *Materials recovery, *Air pollution abatement, *Freons, *Recycling, Chlorohydrocarbons, Dichlorodifluoromethane, Air conditioners, Mobile equipment, Motor vehicles, Ozone depletion, Implementation, Developing countries, Manuals, Freon 12, Freon 22.

PB92-235936/REB PC **A02**/MF **A01**
Rotating Biological Contactors. Engineering Bulletin.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
Oct 92, 10p EPA/540/S-92/007
See also PB87-146296.

Rotating biological contactors employ aerobic fixed-film treatment to degrade either organic and/or nitrogenous (ammonia-nitrogen) constituents present in aqueous waste streams. Fixed-film systems provide a surface to which the biomass can adhere. Treatment is achieved as the waste passes by the media, enabling fixed-film systems to acclimate biomass capable of degrading organic waste. Fixed-film rotating biological contactor reactors provide a surface to which soil organisms can adhere; many indigenous soil organisms are effective degraders of hazardous wastes. The bulletin provides information on the technology applicability, the technology limitations, a description of the technology, the types of residuals produced, site requirements, the latest performance data, the status of the technology, and sources of further information.

Keywords: *Biological treatment, *Superfund, *Waste treatment, *Liquid wastes, Remedial action, Soil microorganisms, Aerobic processes, Hazardous materials, Organic compounds, Leaching, Biodeterioration, Technology utilization, Nitrogen compounds, Biochemical oxygen demand, *Rotating biological contactors.

PB92-238328/REB PC **A09**/MF **A02**
Environmental Protection Agency, Washington, DC.
Biologic Markers in Pulmonary Toxicology. Final rept.
National Research Council, Washington, DC. Subcommittee on Pulmonary Toxicology.
c1989, 188p ISBN-0-309-03992-4
Grant EPA-R-812547
Library of Congress catalog card no. 89-37280. Sponsored by Environmental Protection Agency, Washington, DC.

Biologic markers, which are indicators of biological exposure or change, offer the promise of early detection of the diseases caused by exposure to airborne environmental pollutants. Biologic markers have already helped researchers discover indications of pulmonary damage resulting from low-level ozone. The report is an in-depth look at the use of biologic markers in detecting pulmonary disease. In the beginning of the book is an explanation of the main concepts of the field, highlighting the distinctions among markers of exposure, markers of effect, and markers of susceptibility. Among the major issues explored are: (1) The potential usefulness of animal studies in developing biologic markers for use in humans; (2) The ideal nature of the respiratory tract as a site for detecting pollutant-specific markers--with a review of innovative new approaches to measuring markers on the molecular level; (3) The role of physiologic measurements of respiratory tract function--from standard clinical tests to state-of-the-art assays of tissue barrier integrity--in marker studies; (4) The use of naked-eye and microscopic (light, electron, and x-ray) examinations to assess changes in lung structure and function.

Keywords: *Lung, *Toxicology, *Biological markers, Respiratory system, Exposure, Physiology, Inflammation, Biochemistry, Air pollution effects(Humans), Environmental pollutants, Inhalation.

PB92-238351/REB PC **A10**/MF **A03**
Agency for Toxic Substances and Disease Registry, Atlanta, GA.
Biologic Markers in Immunotoxicology. Final rept.
National Research Council, Washington, DC. Subcommittee on Immunotoxicology.
1992, 218p ISBN-0-309-04389-1
Contracts ATSDR-U50/ATU300009-02, ATSDR-U50/ATU300009-03
Library of Congress catalog card no. 91-67588. Sponsored by Agency for Toxic Substances and Disease Registry, Atlanta, GA., and Environmental Protection Agency, Washington, DC.

The report focuses on the human immune system and its response to environmental toxicants. The authoring committee provides direction for continuing development of biologic markers, with strategies for applying markers to immunotoxicity in humans and recommended outlines for clinical and field studies. The book provides a technical overview of these and other key issues: (1) How the monitoring of biologic markers such as lymphocytes in the blood (called T cells) can be used to determine the effects of potentially harmful environmental toxicants; (2) Types of disease resulting from immune suppression; (3) Hypersensitivity, autoimmunity, and immunodeficiency; (4) Characteristics of the immune system. The use of immunotoxicity markers will help scientists and those responsible for public health better respond to reduce human chemical exposure.

Keywords: *Biological markers, *Immunology, *Toxicology, Exposure, Hypersensitivity, T-lymphocytes, Autoimmune diseases, Immunosuppression, Environmental health.

PB92-238468/REB PC **A04**/MF **A01**
Environmental Protection Agency, Research Triangle Park, NC. Air and Energy Engineering Research Lab.
Control Technology Center FY91: A Fifth Year of Growth. Annual rept.
Acurex Environmental Corp., Research Triangle Park, NC.
B. Crabtree. Sep 92, 54p EPA/600/R-92/169
Contract EPA-68-DO-0141
See also PB91-222034. Sponsored by Environmental Protection Agency, Research Triangle Park, NC. Air and Energy Engineering Research Lab.

The report documents activities of EPA's Control Technology Center (CTC) during its fifth year of successful operation in providing technical assistance to state, local, and federal air pollution control agencies. In fiscal year 1991 (FY 91), the Center also began providing limited technical assistance to the private sector in compliance with mandates of the 1990 Clean Air Act Amendments. The report documents technical and administrative efforts during the period to respond to increased demands from the pollution control community for technical assistance. The 90% increase in HOTLINE calls resulted from an increase in calls from governmental agencies and the additional calls from the private sector. In addition, each of the other CTC services experienced significant increases. The RACT/BACT/LAER Clearinghouse experienced a 250% increase in accesses for FY 91. In its first months of operation, the CTC's Bulletin Board System averaged 79 accesses a week. Finally, more than 4,000 CTC documents were mailed during FY 91. These increases are evidence that the CTC is providing a valuable service to the air pollution control community.

Keywords: *Air pollution control, *Technology transfer, *Information services, Clean Air Act, Compliance, Technical assistance, Administrative procedures, Information transfer, Air quality, US EPA, State programs, Regional analysis, *Control Technology Center.

PB92-238476/REB PC **A02**/MF **A01**
Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.
Waste Reduction Activities and Options for a Local Board of Education in New Jersey. Environmental research brief.
New Jersey Inst. of Tech., Newark.
P. Eyraud, and D. J. Watts. Aug 92, 6p EPA/600/S-92/027
Grant EPA-R-815165
Sponsored by Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.

The U.S. Environmental Protection Agency (EPA) funded a project with the New Jersey Department of Environmental Protection and Energy, NJDEPE, to assist in conducting waste minimization assessments at 30 small- to medium-size businesses in the state of New Jersey. One of the sites selected was a local Board of Education. The school's administration building and the high school were the focus of the assessment. A site visit was made in 1990 during which several opportunities for waste minimization were identified. The waste streams that were evaluated include paint, spilled chemicals and leaking containers, sawdust and wood scraps, solvent-based coatings, degreasing solvents, waste oil, antifreeze, laboratory wastes, and art project wastes. Implementation of the identified waste minimization opportunities was not part of the program. Percent waste reduction, net annual savings, implementation costs and payback periods were estimated.

Keywords: *Chemical compounds, *Waste management, Paints, Wood wastes, Scrap, Coatings, Solvents, Laboratories, Oils, Assessments, Paper, Sites, Businesses, Schools, New Jersey, *Waste minimization.

PB92-238484/REB PC **A02**/MF **A01**
Pesticide Fact Sheet Number 235: 'Bacillus subtilis' GB03. Fact sheet.
Environmental Protection Agency, Washington, DC. Office of Pesticide Programs.
9 Jul 92, 6p EPA/540/FS-92/218

The document contains up-to-date chemical information, including a summary of the Agency's regulatory position and rationale, on bacillus subtilis GBO3. A Fact Sheet is issued after registration of a new chemical.

Keywords: *Pesticides, *Toxic substances, Regulations, Fungicides, Toxicology, Ecology, Agricultural products, Seeds, *Bacillus subtilis GBO3, Chemical Information Fact Sheet, Use patterns, Science findings, Gus 2000 biological fungicide.

PB92-238492/REB PC **A02**/MF **A01**
Pesticide Fact Sheet Number 237: Oxadixyl. (New Chemical Registration).
Environmental Protection Agency, Washington, DC. Office of Pesticide Programs.
27 Feb 92, 9p EPA/540/FS-92/220

The document contains up-to-date chemical information, including a summary of the Agency's regulatory position and rationale, on a specific pesticide or group of pesticides. A Fact Sheet is issued after one of the following actions has occurred: (1) Issuance or reissuance of a registration standard; (2) Issuance of each special review document; (3) Registration of a significantly changed use pattern; (4) Registration of a new chemical, or (5) An immediate need for information to resolve controversial issues relating to a specific chemical or use pattern.

Keywords: *Regulations, *Pesticides, *Standards, Fungicides, Utilization, Vegetables, Fruits, Soybeans, Seeds, Toxicity, Risk, Color, Odor, pH, Storage, *Oxadixyl, Chemical Information Fact Sheet.

PB92-238500/REB PC **A02**/MF **A01**
Pesticide Fact Sheet Number 238: 'Pseudomonas fluorescens' and 'Pseudomonas syringae' Strains. Fact sheet.
Environmental Protection Agency, Washington, DC. Office of Pesticide Programs.
16 Sep 92, 6p EPA/540/FS-92/221

The document contains up-to-date chemical information, including a summary of the Agency's regulatory position and rationale, on a specific pesticide or group of pesticides. A Fact Sheet is issued after one of the following actions has occurred. (1) Issuance or reissuance of a registration standard, (2) Issuance of each special review document, (3) Registration of a significantly changed use pattern, (4) Registration of a new chemical, or (5) An immediate need for information to resolve controversial issues relating to a specific chemical or use pattern.

Keywords: *Standards, *Pesticides, *Regulations, Utilization, Registration, Sprays, Concentration(Composition), Sites, Toxicology, Chemical properties, Physical properties, Tests, Ecology, Fishes, Chemicals, Biological control agent, Pseudomonas.

PB92-238518/REB PC **A09**/MF **A02**
Risk Assessment, Management, Communication: A Guide to Selected Sources Volume 4, Number 2. Bibliography Aug 91-Jun 92.
Environmental Protection Agency, Washington, DC. Office of Pollution, Prevention, and Toxics.
G. King. 20 Jul 92, 189p EPA/749/N-92/001
See also PB92-114412.

The issue of Risk Assessment, Management, and Communication: A Guide to selected Sources is the tenth update in EPA's series of risk management bibliographies. References were gathered from the environmental, medical, and scientific literature included in the following databases: ABI/Inform, Pollution Abstracts, Conference Papers Index, Enviroline, Legal Resource Index, Life Sciences Collection, Magazine Index, NTIS, PAIS International, and NLM's TOXLINE and MEDLINE.

Keywords: *Risk assessment, *US EPA, *Communications management, *Bibliographies, Information systems, Environmental surveys, Medicine, Pollution, Data bases, Legislation, Epidemiology, Abstracts, Sources.

PB92-238526/REB PC **A12**/MF **A03**
Reregistration Eligibility Document (RED): Indole-3-Butyric Acid. (List B, Case 2330).
Environmental Protection Agency, Washington, DC. Office of Pesticide Programs.
Aug 92, 264p EPA/540/RS-92/217

EPA is directed by the Federal Insecticide, Fungicide, and Rodenticide Act as amended in 1988 (FIFRA '88) to review all pesticide products containing active ingredients initially registered before November 1, 1984, and to reregister those products that have a substantially complete data base and do not pose unreasonable adverse effects to people or to the environment. This pesticide reregistration program is to be completed by the late 1990's. The Reregistration Eligibility Document (or RED) for indole-3-butyric acid discusses the scientific data and other information supporting EPA's regulatory conclusion that products containing a pesticide do not pose unreasonable risks when used as directed by Agency-approved labeling, and are eligible for reregistration.

Keywords: *Pesticides, *Toxic substances, Pollution standards, Path of pollutants, Regulations, Toxic substances, Toxicology, Growth regulators, Plant growth, Nitrogen organic compounds, Ecology, Agricultural products, Labels, Risk assessment, Environmental impact assessments, *Indole butyric acid, *Reregistration, Federal Insecticide Fungicide and Rodenticide Act, CAS 133-32-4.

PB92-239268/REB PC **A06**/MF **A02**
Environmental Protection Agency, San Francisco, CA. Region IX.
Ozone Disinfection and Treatment of Urban Storm Drain Dry-Weather Flows: A Pilot Treatment Plant Demonstration Project on the Kenter Canyon Storm Drain System in Santa Monica. Final rept.
Santa Monica Office of the City Engineer, CA.
G. E. Greene. Jun 92, 116p
Prepared in cooperation with Santa Monica Bay Restoration Project, Monterey Park, CA. Sponsored by Environmental Protection Agency, San Francisco, CA. Region IX.

The Pico-Kenter Canyon storm drain is typical of many in the region. Chemical contamination is low, but the water contains pathogenic human bacteria and viruses, signifying a health threat. Ozone is used to disinfect drinking water while forming few chlorination by-products. Santa Monica City evaluated ozonation of dry-weather storm drain flows to disinfect the water and estimated chemical concentrations. At ozone doses of 10-20 mg/L, microbial populations were reduced 3-5 log (99.9% to 99.999%). In many effluent samples, the reduction qualified the water for landscape irrigation projects. While ozonation by-products (aldehydes) were detected in the effluent (<100PPB), no increase in halogenated by-products, or mutagenicity, was observed. Based on State Ocean Objectives and Federal Potable Water MCLs, the primary hazardous chemicals in the water were copper, lead, and Polynuclear Aromatic Hydrocarbons (PAHs). While metals remain after ozonation, the concentrations of some organics were greatly reduced.

Keywords: *Water pollution control, *Disinfection, *Storm drains, *Ozonation, Microorganism control(Water), Urban drainage, Aromatic polycyclic hydrocarbons, Heavy metals, Pilot plants, Bacteria, Design criteria, Performance evaluation, Santa Monica(California).

PB92-239482/REB PC **A04**/MF **A01**
Volunteer Lake Monitoring Program, 1991. Volume 4: West-Central Illinois Region. Annual rept.
Illinois State Environmental Protection Agency, Springfield. Div. of Water Pollution Control.
A. J. Burns. Jul 92, 67p IEPA/WPC-92-110D
See also PB92-222512, PB92-222876 and PB92-231125.

The report is Vol. 5 of a series of 7 reports summarizing Illinois EPA's 1991 Illinois Volunteer Lake Monitoring Program (VLMP). It provides a summary of 1991 VLMP lakes in West-Central Illinois a program overview, volunteer participation, and a ranking of lakes on a regional basis. Thirty-nine volunteers recorded total depth, Secchi disc transparency, and field observations for 25 lakes in West-Central Illinois between May and October, 1991. Average transparencies ranged from 13-133 inches. Volunteer water quality samples were collected at 7 lakes once every month from May thru October and ambient lake data.

Keywords: *Lakes, *Water pollution sampling, *Illinois, Citizen participation, Turbidity, Volunteers, Sechi disk transparency, West-Central Region(Illinois).

PB92-239516/REB PC **A05**/MF **A01**
Reference Guide to Odor Thresholds for Hazardous Air Pollutants Listed in the Clean Air Act Amendments of 1990.
Environmental Protection Agency, Washington, DC. Office of Health and Environmental Assessment.
W. S. Cain, C. R. Shoaf, S. F. Velasquez, S. Selevan, and W. Victery. Mar 92, 91p EPA/600/R-92/047, , ECAO-R-0397
Contract EPA-68-D9-0173
See also PB90-238890. Prepared in cooperation with Yale Univ., New Haven, CT. John B. Pierce Lab.

In response to numerous requests for information related to odor thresholds, this document was prepared by the Air Risk Information Support Center in its role in providing technical assistance to State and Local government agencies on risk assessment of air pollutants. A discussion of basic concepts related to olfactory function and the measurement of odor thresholds is presented. A detailed discussion of criteria which are used to evaluate the quality of published odor threshold values is provided. The use of odor threshold information in risk assessment is discussed. The results of a literature search and review of odor threshold information for the chemicals listed as hazardous air pollutants in the Clean Air Act amendments of 1990 is presented. The published odor threshold values are critically evaluated based on the criteria discussed and the values of acceptable quality are used to determine a geometric mean or best estimate.

Keywords: *Air pollution control, *Odor detection, *Risk assessment, *Toxic substances, *Public health, Clean Air Act, Chemical compounds, Pollution regulations, Public opinion, Smell, Exposure, Reviews, Thresholds(Perception), Concentration(Composition), Information transfer, Toxicity.

PB92-239524/REB PC **A04**/MF **A01**
Environmental Protection Agency, Washington, DC. Office of Health and Environmental Assessment.
Health Assessment Document for Talc.
Dynamac Corp., Rockville, MD.
N. P. Hajjar, B. N. Fountos, C. Kruger-McDermott, P. Turck, and M. E. Cerny. Mar 92, 73p EPA/600/8-91/217, , ECAO-R-0367
Contract EPA-68-03-4140
Sponsored by Environmental Protection Agency, Washington, DC. Office of Health and Environmental Assessment.

Talc is made up of pulverized, foliated, hydrous magnesium silicates from minerals with low crystalline silica content. Approximately 1.25 million short tons of

talc were produced in the United States in 1989. The largest end uses of talc are in ceramics and paint; 5% is used in cosmetics. Concern over talc exposure is associated with the possible presence of asbestos as a contaminant. Estimates of environmental release of talc are not available. No information was available on the acute toxicity of talc. Subchronic inhalation exposure (3 to 12 mo) in rats resulted in pulmonary fibrosis that increased in severity as the exposure period increased. Chronic exposure by the intratracheal route in hamsters resulted in no observed fibrosis or granulomas. Limited data suggest that talc is not carcinogenic following inhalation exposure or intratracheal instillation in rats and hamsters. Similarly, no evidence of carcinogenicity was noted following intrapleural, intraperitoneal, or oral administration in rats. Several cross-sectional occupational studies of talc miners and millers showed no increase in mortality from lung cancer. For talc without asbestos contamination, the International Agency for Research on Cancer (IARC) has concluded that the available epidemiological and animal toxicity data are inadequate to demonstrate or refute the potential for carcinogenicity.

Keywords: *Talc, *Toxicity, *Health hazards, Carcinogens, Pulmonary neoplasms, Fibrosis, Granuloma, Risk assessment, Mutagenicity tests, Cell survival, Reproduction(Biology).

PB92-239532/REB PC **A05**/MF **A01**
Robert S. Kerr Environmental Research Lab., Ada, OK.
Detecting Water Flow Behind Pipe in Injection Wells. Research rept.
Environmental Research Inst., Ada, OK.
J. T. Thornhill, and B. G. Benefield. Feb 92, 91p EPA/600/R-92/041
See also PB91-145631. Sponsored by Robert S. Kerr Environmental Research Lab., Ada, OK.

Regulations of the Environmental Protection Agency require that an injection well exhibit both internal and external mechanical integrity. The external mechanical integrity consideration is that there is no significant fluid movement into an underground source of drinking water through vertical channels adjacent to the injection well bore. The oxygen activation method for detecting flow behind pipe employs a measurement technique in which a stable isotope of oxygen is temporarily converted to an unstable nitrogen isotope. Unstable nitrogen-16 decays with a half-life of 7.13 seconds and acts as a radioactive tracer to enable measurement of flow of water-bearing fluid past a series of detectors. Thirteen tests have been conducted at the Mechanical Integrity Testing and Training Facility to determine the accuracy and reliability of the method.

Keywords: *Injection wells, *Well logging, Ground water, Oxygen, Pipe flow, Measurement, Test equipment, Services.

PB92-239540/REB PC **A06**/MF **A02**
Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.
Operations and Research at the U.S. EPA Incineration Research Facility: Annual Report for FY91.
Acurex Corp., Mountain View, CA. Environmental Systems Div.
L. R. Waterland. Mar 92, 117p EPA/600/R-92/051
Contract EPA-68-C9-0038
See also PB91-182493. Sponsored by Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.

The U.S. Environmental Protection Agency's Incineration Research Facility (IRF) in Jefferson, Arkansas, is an experimental facility that houses two pilot-scale incinerators and the associated waste handling, emission control, process control, and safety equipment; as well as onsite laboratory facilities. During fiscal year 1991, five major test programs were completed at the facility: tests to establish residue characteristics from the incineration of spent potliners from aluminum production (K088) for the Office of Solid Waste (OSW); an evaluation of the incinerability of five contaminated soils from the Drake Chemical Superfund site for Region 3; an evaluation of the incinerability of PCB-contaminated marine sediments from the New Bedford Harbor Superfund site for Region 1; a parametric evaluation of the fate of trace metals in a rotary kiln incinerator equipped with a Calvert high-efficiency scrubber system; and an evaluation of incinerability of arsenic-contaminated soil from the Chemical Insecticide Corporation Superfund site for Region 2.

Keywords: *Hazardous materials, *Incinerators, *Waste disposal, *Air pollution control, US EPA, Ranking, Combustion products, Scrubbers, Performance evaluations, Soil contamination.

PB92-239557/REB PC **A03**/MF **A01**
EMPA Monitor - March 1992 Edition.
Environmental Protection Agency, Washington, DC. Office of Modeling, Monitoring Systems and Quality Assurance.
Mar 92, 19p EPA/600/M-91/051
See also PB91-191320.

EMAP is a complex and diverse program that requires efficient communications to ensure continuity and consistency in the program and to avoid duplication. The Monitor is a regularly published document intended to provide an efficient and effective tool for EMAP managers to communicate the status and progress of the program to EPA and the scientific community and to transfer technical information to a broad audience. The edition contains a feature article on the Design of a Comprehensive Monitoring Program. It also contains a summary of the current activities of all EMAP components, a listing of recent publications and presentations, and recent and upcoming events.

Keywords: *Environmental monitoring, *Environmental impact assessments, *Information transfer, Estuaries, Technology transfer, Design, Monitoring, Project planning, Natural resources, Trends, Listings, Indicators, Environmental Monitoring and Assessment Program.

PB92-239565/REB PC **A04**/MF **A01**
Andrew W. Breidenbach Environmental Research Center Small Systems Resource Directory.
Environmental Protection Agency, Cincinnati, OH. Office of Research and Development.
Jul 92, 75p EPA/600/R-92/098

A directory of more than 50 projects conducted or sponsored by the Andrew W. Breidenbach Research Center (AWBERC) Cincinnati, OH is available. The projects described in the directory provide information and assistance to small systems in the areas of drinking water, wastewater, and solid and hazardous waste management. Each project description includes a summary of work conducted or sponsored by AWBERC, a list of publications generated by the project, and an AWBERC contact for further information about the project.

Keywords: *Sewage treatment, *Waste treatment, *Municipalities, Earth fills, Water treatment, Hazardous materials, Packaged sewage plants, Risk, *Drinking water, Small systems.

PB92-239573/REB PC **A06**/MF **A02**
Corvallis Environmental Research Lab., OR.
Data User's Guide to the United States Environmental Protection Agency's Long-Term Monitoring Project: Quality Assurance Plan and Data Dictionary.
NSI Technology Services Corp., Corvallis, OR. Environmental Research Lab.
M. Morrison, A. Newell, and R. Hjort. Dec 91, 115p EPA/600/3-91/072
Sponsored by Corvallis Environmental Research Lab., OR.

The document both describes procedures for data collection and describes how to access and use data that have been collected in order to assess surface water trends that may be related to acidic deposition. The data collection methods described in Part 1, the Quality Assurance Plan for the Long-Term Monitoring Project, are well accepted methods, generally in agreement with those used for the Aquatic Effects Research Project National Surface Water Surveys. The Data Dictionary describes access to a data base that contains information relevant to the assessment of the effects of acidic deposition on surface waters. Trend analyses and interpretations of these data will be reported in a series of journal articles that will comprise a special issue of Water, Air and Soil Pollution.

Keywords: *Environmental protection, *Pollution control, *United States, Users guide, Quality assurance, Trends, Research projects, Aquatic animals, Monitoring, Water supply, Surveys, Surface waters.

PB92-239581/REB PC **A03**/MF **A01**
Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.
Guide for Conducting Treatability Studies under CERCLA Solvent Extraction. Interim Guidance.
Science Applications International Corp., Cincinnati, OH.
J. Rawe. Aug 92, 47p EPA/540/R-92/016A
Contract EPA-68-C8-0062
Sponsored by Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.

Systematically conducted, well-documented treatability studies are an important component of remedy evaluation and selection under the Superfund program. This manual focuses on solvent extraction treatability studies. This manual presents a standard guide for designing and implementing solvent extraction treatability studies. The manual presents a description of and discusses the applicability and limitations of solvent extraction technologies and defines the prescreening and field measurement data needed to determine if treatability testing is required. It also presents an overview of the process of conducting treatability tests and the applicability of tiered treatability testing for evaluation solvent extraction technologies. The specific goals of each tier of testing are defined and performance levels are presented that should be met at the remedy screening level before additional tests are conducted at the next tier.

Keywords: *Waste management, *Hazardous materials, *Superfund, Guidelines, Waste treatment, Manuals, Solvent extraction, Field tests, Performance evaluation, Sludge treatment, Sediments, Sampling, Remedial action, Experimental design, Technology utilization, *Office of Solid Waste and Emergency Response, Comprehensive Environmental Response Compensation and Liability Act, Chemical treatment, Remedial design.

PB92-239599/REB PC **A02**/MF **A01**
Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.
Guide for Conducting Treatability Studies under CERCLA: Solvent Extraction Quick Reference Fact Sheet.
Science Applications International Corp., Cincinnati, OH.
J. Rawe. Aug 92, 9p EPA/540/R-92/016B
Contract EPA-68-C8-0062
See also PB92-239581. Sponsored by Environmental Protection Agency, Cincinnati, OH. Risk Reduction Engineering Lab.

Systematically conducted, well-documented treatability studies are an important component of remedy evaluation and selection under the Superfund Program. This fact sheet focuses on solvent extraction treatability studies, and is a highly abridged version of the guide which bears the same title. This fact sheet presents an abbreviated guide for designing and implementing solvent extraction treatability studies. The fact sheet presents a description of and discusses the applicability and limitations of solvent extraction technologies and defines the prescreening and field measurement data needed to determine if treatability testing is required.

Keywords: *Waste management, *Hazardous materials, *Superfund, Guidelines, Remedial action, Waste treatment, Solvent extraction, Soil treatment, Sediments, Feasibility studies, Technology utilization, Experimental design, Sampling, Sludge treatment, Field tests, *Office of Solid Waste and Emergency Response, Remedial design, Comprehensive Environmental Response Compensation and Liability Act, Chemical treatment.

PB92-502202/REB CP **D02**
Organic Contract Compliance Screening System (OCCSS) Software (OLM01.8 Version 2) (for Microcomputers). Software.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
1992, 1 diskette* EPA/SW/DK-92/043
System: IBM AT/PS2 or compatible; MS DOS Version 3.3 operating system. Language: Base SAS. Supercedes PB92-501535. Other formats available as PB92-501519 (ICCSS).
The software is on one (1) 5 1/4 inch diskette, 1.2M high density. File format: ASCII. Documentation included; may be ordered separately as PB92-169564.

OCCSS software is a version of a mainframe-based application developed for the U.S. Environmental Protection Agency's National Contract Laboratory Program (CLP). OCCSS is designed to automate the determination of contractural compliance and completeness of data submitted to the EPA under the Routine Analytical Services (RAS) programs of CERCLA (Comprehensive Emergency Response Compensation and Liability Act). In order to remain consistent with the mainframe system, this PC version of OCCSS is written in SAS, and requires that SAS/PC be installed on the host PC. It will load analytical data from diskettes into SAS file format, perform technical edits on data, produce technical defect and summary reports, and reproduce forms which contain defects. In addition, OCCSS includes software to assist in identifying these critical structural defects in the data format, to assist in identifying these for correction prior to performing technical edits.

Keywords: *Software, *Pollution regulations, *Organic compounds, *Waste management, Diskettes, Compliance, Contracts, Permits, Data storage and retrieval, US EPA, *Organic Contract Compliance Screening System, Comprehensive Environmental Response Compensation and Liability Act, Superfund Amendments and Reauthorization Act, Routine analytical services.

PB92-502251/REB CP **D02**
Electrostatic Precipitator V-I (ESPVI 4.0) and Performance Prediction Model (for Microcomputers). Software.
Environmental Protection Agency, Research Triangle Park, NC. Air and Energy Engineering Research Lab.
31 Mar 92, 1 diskette* EPA/SW/DK-92/044
System: IBM compatible; MS DOS operating system, 400K. Language: Compiled Quick Basic.
The software is on one 5 1/4 inch diskette, 1.2M high density. Documentation included; may be ordered separately as PB92-169614.

The microcomputer program ESPVI 4.0, Electrostatic Precipitation V-I and Performance Model, was developed to provide a user-friendly interface to an advanced model of electrostatic precipitation (ESP) performance. The program is capable of modeling standard ESP configurations as well as those that might be proposed for improved performance. It incorporates many of the latest developments in prediction of ESP performance, including electrical waveform effects, non-rapping reentrainment, and electrode misalignment. The program is organized by a series of menu screens with increasing levels of detail provided as the menus become more specific. A Users Manual (PB92-169614) that is available, provides the documentation needed to load the program from its disk, set up the computer configuration for optimal operation, and introduces the operation of the program.

Keywords: *Software, *Air pollution control equipment, *Electrostatic precipitators, *Computerized simulation, Diskettes, Performance evaluation, Electrodes.

PB92-503085/REB CP **D02**
Fish and Chemistry Data for the Upper Peninsula of Michigan Report (for Microcomputers). Data file.
Environmental Protection Agency, Washington, DC.
Oct 90, 1 diskette EPA/DF/DK-92/045
System: IBM PC or Compatible. Prepared in cooperation with Kilkelly Environmental Associates, Inc., Raleigh, NC.
The datafile is on one (1) 3 1/2 inch diskette, 1.44M high density. File format: SAS. Documentation included; may be ordered separately as PB92-169630.

The Eastern Lake Survey-Phase I, was conducted in the fall of 1984 and involved a synoptic survey of water quality in a probability sample of 1612 lakes in 11 subregions in the eastern United States. In 1986, a subset of lakes in one subregion (Subregion 2B:Upper Peninsula of Michigan) were resurveyed to assess fish community status and concentrations of total mercury in fish tissue. In support of the National Acid Precipitation Assessment Program, 49 lakes were sampled over a 3-month period in summer 1986. Fish surveys were conducted by Michigan State University; total mercury samples were processed by Cornell University and analyzed by Syracuse University. The data base consists of four components: (1) water chemistry data for the 49 lakes collected in Fall 1984 during Phase I of the Eastern Lake Survey, (2) additional water chemistry collected during the Phase II survey in the summer of 1986, (3) the species and numbers of fish caught per unit of sampling gear, and (4) individual fish data on age, length, weight, and total mercury concentration.

Keywords: *Data file, *Water quality, *Water pollution effects, *Fish physiology, *Lakes, *Michigan, Air water interactions, Biological communities, Mercury(Metal), Water chemistry, Sampling, Concentration(Composition), Number fish per acre, Environmental surveys, Acidification, Diskettes, *Eastern Lake Survey, Eastern Region(United States), National Acid Precipitation Assessment Program, National Surface Water Survey.

PB92-503119/REB CP **D02**
Statistical Approach to Predicting Chronic Toxicity of Chemicals to Fishes from Acute Toxicity Test Data (for Microcomputers). Software.
Environmental Research Lab., Gulf Breeze, FL.
Jun 92, 1 diskette* EPA/SW/DK-92/047
System: IBM PS2 Model 50; DOS 4.0 operating system, 640K. Language: True BASIC.
The software is on one 5 1/4 inch diskette, 360K double density. File format: ASCII. Documentation included; may be ordered separately as PB92-169655.

A methodology was developed to predict chronic toxicity based on acute data. The method is called Multifactor Probit Analysis (MPA) and uses the iterative reweighed least squares method to estimate parameters of the probit surface. The independent variables are time of exposure and probit of the proportion responding to a concentration. MPA allows the user to predict the concentration of toxicant at any time and percent mortality, LC t,p. MPA calculates a point estimate and a measure of dispersion (95% Confidence limits). The MPA is versatile, entirely menu-driven and offers 7 probit models and transformation combinations of the independent variables.

Keywords: *Software, *Water pollution effects, *Fishes, *Toxicity, *Chemical compounds, Diskettes, Least squares method, Exposure, Concentration(Composition), Time series analysis, Statistical analysis, Fishkill, Mortality, Fish physiology, Risk assessment, Aquatic ecosystems, *Multifactor probit analysis.

PB92-503507/REB CP **D02**
Preliminary Ranking Evaluation Score (PREscore) Version 1.1 (for Microcomputers). Model-Simulation.
Environmental Protection Agency, Washington, DC. Hazardous Site Evaluation Div.
Jul 92, 1 diskette EPA/SW/DK-92/048
System: IBM-PC or compatible; MS DOS 3.1 operating system, 384K. Language: Compiled 'C'. See also PB91-506964, PB92-592291, PB90-591791 and PB92-500024.
The software is on one 5 1/4 inch diskette, 1.2M high density. Documentation included; may be ordered separately as PB92-963349.

The PREscore computer program has been developed to assist Superfund site assessment investigations in Hazard Ranking System (HRS) site scoring. The HRS is used to assess the relative threat associated with actual or potential releases of hazardous substances to ground water, surface water, soil, and air. The HRS is the primary means by which EPA evaluates sites for the National Priorities List (NPL), the list of the hazardous waste sites that are eligible for remedial funding under the Superfund program. PREscore is designed to be user-friendly, operating via hierarchically-dependent spreadsheets that allow data to be entered quickly and efficiently. Significant program features include: instant score calculation and continuous score display, multiple site-scenario testing capability, extensive help screens, and comprehensive documentation ability. PREscore fully automates the HRS, allowing for the entry and evaluation of all types of site-related information. In addition, PREscore contains HRS-related hazardous substance information derived from the Agency's Superfund Chemical Data Matrix (SCDM), which includes substance characteristics. PREscore is accompanied by PREprint, a program that produces an extensive documentation record for sites evaluated by PREscore.

Keywords: *Models-Simulation, *Superfund, *Hazardous materials, *Environmental impact assessments, *Waste disposal, Diskettes, Rankings, Air pollution, Water pollution, Chemical compounds, Land pollution, Ground water, Surface waters, Site surveys, Sampling, *PREscore program, *Hazard Ranking System, National Priorities List.

PB92-504174/REB CP **D02**
Staten Island/New Jersey Urban Air Toxics Assessment Project. Quarterly and Summary Data (for Microcomputers). October 1987-March 1991. Data file.
Environmental Protection Agency, New York. Air Programs Branch.
1991, 2 diskettes* EPA/DF/DK-92/049
System: IBM compatible; MS DOS 3.3 operating system. Disk 1 is in WordPerfect and has 26 files. Disk 2 is in LOTUS 1-2-3 and has 36 files. Documentation is on Disk 1 - INFO.WP.
The datafile is on two 3 1/2 inch diskettes, 1.44M high density.

The file is a compilation of quarterly and summary data reports of air toxic monitoring data from the Staten Island/New Jersey Urban Air Toxics Assessment Project. The following categories of air pollutants were monitored: ambient air volatile organic compounds (VOCs), metals, benzo(a)pyrene, formaldehyde; and indoor air VOCs and radon. Monitoring was performed at a number of sites in Staten Island, New York, and nearby New Jersey.

Keywords: *Data file, *Air pollution monitoring, *New Jersey, Air sampling, Toxic substances, Diskettes, *Staten Island(New York).

PB92-504356/REB CP **D02**
General Information on Applying for Registration of Pesticides in the United States. Second Edition (for Microcomputers). Data file.
Environmental Protection Agency, Washington, DC. Office of Pesticide Programs.
Aug 92, 1 diskette* EPA/DF/DK-92/052
System: IBM PC/AT 286 or higher; H.P. Laser Jet Series 11 operating system. See also PB87-142352 (Tolerance Assessment System). Other formats available as PB92-221811 (Paper Copy).
The datafile is on one 3 1/2 inch diskette, 1.44M high density. File format: WordPerfect 5.1.

The instruction diskette, which is divided into 18 chapters, is intended to provide a general overview and guidance for persons seeking to register a pesticide in the United States. Every attempt has been made to make the information contained in this Instruction Diskette accurate and current. However, changes in the Federal Pesticide Law (Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), regulations, policies, and requirements are an ongoing process.

Keywords: *Pesticides, *Toxic substances, *Data file, *Guidelines, United States, Diskettes, Pollution regulations, Environmental policy, Requirements, Information transfer, *Registration, Federal Insecticide Fungicide and Rodenticide Act.

PB92-780865/REB AV**$35.00**
Environmental Protection Agency, Washington, DC. Environmental Monitoring and Assessment Program.
America's Ecological Report Card: Environmental Monitoring and Assessment Program (EMAP) (Video). Audio-Visual.
Versar, Inc., Springfield, VA.
25 Aug 91, 1 VHS video EPA/600/V-92/001
Sponsored by Environmental Protection Agency, Washington, DC. Environmental Monitoring and Assessment Program.

The Environmental Monitoring and Assessment Program (EMAP) is part of the Office of Research and Development's (ORD) response to both the Science Advisory Board's recommendation and the Agency's call for 'managing for results.' EMAP's goal is to monitor the condition of the nation's ecological resources. EMAP data will enable one to evaluate the success of current policies and programs and identify emerging problems before they become widespread or irreversible.

Keywords: *Ecology, *Environmental management, Video tapes, Audiovisual aids, Environmental policy, Environmental quality, Environmental effects, Ecosystems, United States, Natural resources, Government policies, *Audio-visual, *Environmental Monitoring and Assessment Program.

PB92-963272/REB PC **A01**/MF **A01**
Smart Moves in Superfund - Regional Initiatives. Volume 1, Number 1, February 1992.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
Feb 92, 4p OSWER-9202.1-02I-VOL-1-NO-1
Paper copy available on Standing Order, deposit account required (minimum deposit $200 U.S., Canada, and Mexico; all others $400). Single copies also available in paper copy or microfiche.

The bulletin serves as an exchange for Regional information in Superfund. The issue has the following contents: region 6 to cut time between NPL listing and design; region 4 encourages PRPs to start remedial designs before consent decree; region 3 eliminates statement of work; suggestion box; revitalization team meets on potential pilots; and voice of the regions.

Keywords: *Superfund, *Waste management, *Hazardous materials, Regional analysis, Remedial action, Consent orders, Listings, Performance standards, Information transfer, *Office of Solid Waste and Emergency Response, National Priorities List, EPA regions 1-10, Record of Decision, Potentially responsible parties, On-Scene Coordinators, Remedial Project Managers, Remedial designs, Settlements.

PB92-963273/REB PC **A01**/MF **A01**
Regional Pilots and Applications of Superfund Accelerated Cleanup Model (SACM). Fact sheet.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
Jun 92, 2p OSWER-9202.1-03FS
Paper copy available on Standing Order, deposit account required (minimum deposit $200 U.S., Canada, and Mexico; all others $400). Single copies also available in paper copy or microfiche.

The fact sheet describes the Regional pilot programs testing the application of the Superfund Accelerated Cleanup Model, and describes the major categories of pilots and the overall status of the programs.

Keywords: *Superfund, *Waste management, *Hazardous materials, Mathematical models, Remedial action, Regional analysis, *Office of Solid Waste and Emergency Response, *Superfund Accelerated Cleanup Model, *Pilot programs, Cleanup operations.

PB92-963274/REB PC **Free**
Contracting and Subcontracting Guide to the Superfund Program.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
May 92, 74p EPA/540/G-91/012, OSWER-9200.5-402A
Supersedes PB89-233431.

The document assists those interested in providing contractual services to the Superfund program, describes current Superfund contracts and provides contact points, addresses, and telephone numbers of firms with Superfund contracts.

Keywords: *Hazardous materials, *Contract administration, *Subcontracts, *Pollution control, Guidelines, Services, Project planning, Businesses, Telecommunication, Storage tanks, Crude oil, Petroleum products, Sites, *Superfund, Listings, Addresses.

PB92-963276/REB PC **A18**/MF **A04**
Superfund Program Implementation Manual, Fiscal Year 1993. Volumes 1 and 2. Directive (Final).
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
Jun 92, 424p OSWER-9200.3-01H-1
Paper copy available on Standing Order, deposit account required (minimum deposit $200 U.S., Canada, and Mexico; all others $400). Single copies also available in paper copy or microfiche.

Contents: Program Goals and Priorities; Superfund Information Management Systems; Program Planning and Reporting Requirements; Program Planning and Reporting Procedures; Financial Management and FTE Distribution; Response Budget and Workload Model; Enforcement Budget and Workload Model; and Federal Facility Budget and Workload Model.

Keywords: *Hazardous materials, *Pollution control, Manuals, Information systems, Management, Financial management, Budgeting, Mathematical models, Facilities, Work measurement, *Superfund, Priorities.

PB92-963277/REB PC **A01**/MF **A01**
Identification of a Senior Superfund Official for Addressing Special NPL Site-Related Issues. Directive.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
22 May 92, 3p OSWER-9202.1-04
Paper copy available on Standing Order, deposit account required (minimum deposit $200 U.S., Canada, and Mexico; all others $400). Single copies also available in paper copy or microfiche.

The directive describes the process for identifying a senior Superfund official responsible for reviewing and addressing specific issues at National Priorities List sites that cannot be resolved at the Regional level, and for identifying criteria for NPL site referrals to this official.

Keywords: *Superfund, *Waste management, *Hazardous materials, Site surveys, Regional planning, Administrative personnel, Remedial action, On-site inspection, Managers, Federal agencies, Reviews, *Office of Solid Waste and Emergency Response, National Priorities List, Cleanup.

PB92-963278/REB PC **A03**/MF **A01**
Superfund Progress - Aficionado's Version: Progress as of June 30, 1992.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
30 Jun 92, 16p OSWER-9200.1-12B
See also PB92-963279 and PB92-963265.
Paper copy available on Standing Order, deposit account required (minimum deposit $200 U.S., Canada, and Mexico; all others $400). Single copies also available in paper copy or microfiche.

The quarterly Superfund Progress reports on the strides the Superfund program is making towards protecting people and the environment from the hazards of uncontrolled chemical releases. The Aficionado's Version of Superfund Progress provides more detailed statistical information. The Summer 1992 Superfund Progress highlights the Environmental Response Team, the Superfund Accelerated Cleanup Model, and the Superfund Progress Report -- making polluters pay for cleanup.

Keywords: *Protection, *Hazardous materials, Statistical analysis, Response, Statistical data, Payment, Ranking, Law enforcement, Sites, Superfund, Cleanup, Remedial action.

PB92-963279/REB PC **A03**/MF **A01**
Superfund Progress, Summer 1992.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
Sep 92, 15p OSWER-9200.1-12-2
Paper copy available on Standing Order, deposit account required (minimum deposit $200 U.S., Canada, and Mexico; all others $400). Single copies also available in paper copy or microfiche.

The quarterly Superfund Progress report reports on the strides the Superfund program is making towards protecting people and the environment from the hazards of uncontrolled chemical releases. It portrays facets of the program that often go unnoticed or unpublicized, reports new developments, and provides figures to show what the program has accomplished. The Summer 1992 Superfund Progress includes a focus on the Environmental Response Team, the Superfund Accelerated Cleanup Model, and the Superfund Progress Report - Making Polluters Pay for Cleanup.

Keywords: *Protection, *Hazardous materials, Environments, Project planning, Weapons, Storage, Air pollution, Sampling, Response, Safety, Training, Robots, Remote control, Vehicles, Chemical analysis, *Superfund, Cleanup.

PB92-963281/REB PC **A03**/MF **A01**
Memorandum of Understanding between the National Oceanic and Atmospheric Administration and the U.S. Environmental Protection Agency Concerning the Notification and Coordination of Activities Pursuant to the Comprehensive Environmental Response, Compensation, and Liability Act. Directive.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
Sep 92, 15p OSWER-9295.0-02
Available on Standing Order, deposit account required (minimum deposit $200 U.S., Canada, and Mexico; all others $400). Single copies also available in paper copy or microfiche.

The Memorandum of Understanding sets forth the procedures by which EPA and NOAA will jointly carry out their notification and coordination responsibilities with respect to natural resources affected by a release at a hazardous substance site, as specified in sections 104 and 122 of CERCLA.

Keywords: *Natural resources, *Hazardous materials, Procedures, US EPA, US NOAA, Coordination, Response, Sites, Comprehensive Environmental Response Compensation and Liability Act(CERCLA), Notification.

PB92-963346/REB PC **A03**/MF **A01**
Evaluation of Ground-Water Extraction Remedies: Phase 2. Volume 1. Summary Report.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
Feb 92, 38p OSWER-9355.4-05
Supersedes PB90-183583. See also PB92-963347.
Paper copy available on Standing Order, deposit account required (minimum deposit $200 U.S., Canada, and Mexico; all others $400). Single copies also available in paper copy or microfiche.

The report is the second phase of a study to evaluate the effectiveness of ground-water extraction systems being used to remediate ground-water contamination at hazardous waste sites. The report was prepared in two volumes. Volume 1 contains an executive summary and chapters which discuss the purpose, methodologies, and conclusion of the project.

Keywords: *Ground water, *Hazardous materials, *Remedial action, *Water pollution control, *Extraction, Performance evaluation, Waste management, Environmental transport, Aquifers, Revisions, Design criteria, *Cleanup operations.

PB92-963347/REB PC **A19**/MF **A04**
Evaluation of Ground-Water Extraction Remedies: Phase 2. Volume 2. Case Studies and Updates.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
Feb 92, 450p OSWER-9355.4-05A
Supersedes PB90-274440. See also PB92-963346.
Paper copy available on Standing Order, deposit account required (minimum deposit $200 U.S., Canada, and Mexico; all others $400). Single copies also available in paper copy or microfiche.

The report is the second phase of a study to evaluate the effectiveness of ground-water extraction systems being used to remediate ground-water contamination at hazardous waste sites. The report was prepared in two volumes. Volume 2 discusses the case studies--individual analyses of each of the 24 sites associated with the project.

Keywords: *Ground water, *Hazardous materials, *Remedial action, *Water pollution control, *Extraction, Case studies, Performance evaluation, Waste management, Environmental transport, Aquifers, Revisions, Design criteria, *Cleanup operations.

PB92-963356/REB PC **A13**/MF **A03**
Guidance for Data Useability in Risk Assessment (Part A). Final rept.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
Apr 92, 290p OSWER-9285.7-09A
Supersedes PB91-921208. See also PB92-963362.
Paper copy available on Standing Order, deposit account required (minimum deposit $200 U.S., Canada, and Mexico; all others $400). Single copies also available in paper copy or microfiche.

The document is the first part (Part A) of the two-part Guidance for Data Useability in Risk Assessment. The guidance provides direction for planning and assessing analytical data collection activities for the baseline human health risk assessment, conducted as part of the remedial investigation (RI) process. It provides risk assesors and RPMs with nationally-consistent procedures to plan and assess sampling and analysis of useable environmental data. Although the guidance

addresses the baseline assessment within the RI, it is appropriate for use in the new Superfund Accelerated Cleanup Model where data needs for risk assessment are considered at the onset of site evaluation.

Keywords: *Superfund, *Risk assessment, *Hazardous materials, *Waste management, *Public health, Data collections, Data acquisition, Guidelines, Remedial action, Site surveys, Remedial project managers, Superfund Accelerated Cleanup Model.

PB92-963361/REB PC **A01**/MF **A01**
Superfund Accelerated Cleanup Bulletin: Presumptive Remedies for Wood Treatment Facilities. Volume 1, Number 2, May 1992. Intermittent bulletin.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
May 92, 2p OSWER-9203.1-02I-VOL-1-NO-2
Paper copy available on Standing Order, deposit account required (minimum deposit $200 U.S., Canada, and Mexico; all others $400). Single copies also available in paper copy or microfiche.

Superfund is undertaking an initiative to develop presumptive remedies that are appropriate for specific types of sites, contaminants, or both. The initiative is part of a larger program, known as the Superfund Accelerated Cleanup Model (SACM), which is designed to speed all aspects of the Superfund clean-up process. The issue of the Superfund Accelerated Cleanup Bulletin describes presumptive remedies for wood treatment facilities.

Keywords: *Superfund, *Remedial action, *Waste management, *Wood preservatives, *Hazardous materials, Sites, Performance evaluation, Dioxins, Standards, Technology innovation, *Cleanup operations, *Wood treatment facilities, Superfund Accelerated Cleanup Model.

PB92-963362/REB PC **A05**/MF **A01**
Guidance for Data Useability in Risk Assessment (Part B). Final rept.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
May 92, 85p OSWER-9285.7-09B
Supersedes PB91-921208. See also PB92-963356.
Paper copy available on Standing Order, deposit account required (minimum deposit $200 U.S., Canada, and Mexico; all others $400). Single copies also available in paper copy or microfiche.

Part B of Guidance for Data Useability in Risk Assessment provides supplemental information regarding the useability of analytical data for performing a baseline risk assessment at sites with radioactivity. While Part A focuses primarily on chemical contamination, much of the information presented also applies to the risk assessment process for radioactive contamination. The guidance offered in Part B is intended as an overview of the key differences between chemical and radionuclide risk assessments, and not as a comprehensive, stand-alone document to assess the risks posed by radionuclide exposures. Part A of the guidance should be used side by side with this document.

Keywords: *Risk assessment, *Radioactive materials, *Public health, Superfund, Guidelines, Remedial action, Baseline measurements, Data processing, Radionuclide migration, Sampling, Assessments, Biological radiation effects, Exposure, Cleanup operations.

PB92-963363/REB PC **A02**/MF **A01**
Guidance for Data Useability in Risk Assessment. Fact sheet.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
Jun 92, 8p OSWER-9285.7-09FS
Paper copy available on Standing Order, deposit account required (minimum deposit $200 U.S., Canada, and Mexico; all others $400). Single copies also available in paper copy or microfiche.

The fact sheet provides an overview of Part A and Part B of the Guidance for Data Useability in Risk Assessment. It highlights key points of the documents and states where additional information can be found. The Guidance for Data Useability in Risk Assessment provides risk assessors and RPMs with nationally-consistent procedures to plan and assess sampling and analysis of useable environmental data for baseline human health risk assessments, and addresses the useability of radioanalytical data for baseline human health risk assessment.

Keywords: *Superfund, *Waste management, *Hazardous materials, Guidelines, Risk assessment, Remedial action, Baseline measurements, Public health, Sampling, Radiation biological effects, Data collections, *Office of Solid Waste and Emergency Response, Remedial project managers.

PB92-963364/REB PC **A01**/MF **A01**
Remedial Action Report: Documentation for Operable Unit Completion. Fact sheet.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
Jun 92, 4p OSWER-9355.0-39FS
Paper copy available on Standing Order, deposit account required (minimum deposit $200 U.S., Canada, and Mexico; all others $400). Single copies also available in paper copy or microfiche.

The progress in moving a site toward the ultimate goal of deletion from the NPL typically involves several operable units or multiple phases of construction over a period of several years. The purpose of the Remedial Action Report is to document the activities that occur under each specific remedial action operable unit at a site. The report provides documentation that a particular operable unit has met its objectives as well as summary information for subsequent inclusion in the Superfund Site Close Out Report. It also serves as a source of lessons learned for project managers and designers of future remedial action projects.

Keywords: *Superfund, *Waste management, *Hazardous materials, Closures, Remedial action, Quality control, Performance standards, Inspection, Operation, Maintenance, Cost analysis, Design criteria, *Office of Solid Waste and Emergency Response, National Priorities List, Remedial project managers, Cleanup operations.

PB92-963367/REB PC **A01**/MF **A01**
Superfund Accelerated Cleanup Bulletin. Volume 1, Number 1. Presumptive Remedies for Municipal Landfill Sites. Bulletin.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
Apr 92, 1p OSWER-9203.1-02I-VOL-1-NO-1
See also PB92-963371.
Paper copy available on Standing Order, deposit account required (minimum deposit $200 U.S., Canada, and Mexico; all others $400). Single copies also available in paper copy or microfiche.

The bulletin provides an overview of the presumptive remedies initiative. The objective of the presumptive remedies initiative is to use clean-up technologies shown to be effective in the past at similar sites in the future. The use of presumptive remedies will streamline removal actions, site studies, and clean-up actions, thereby improving consistency, reducing costs, and increasing the speed with which hazardous waste sites are remediated.

Keywords: *Municipalities, *Hazardous materials, *Pollution control, Earth fills, Sites, Mathematical models, Manuals, Risk, Investigation, Sampling, Assessments, *Superfund, Alternative planning, Clean up, Superfund Accelerated Cleanup Model(SACM).

PB92-963368/REB PC **A02**/MF **A01**
FY 1992 Themes for Regional Coordination to Support Continuous Improvements of Superfund's Remedial Program. Directive.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
Dec 91, 6p OSWER-9355.0-36
Paper copy available on Standing Order, deposit account required (minimum deposit $200 U.S., Canada, and Mexico; all others $400). Single copies also available in paper copy or microfiche.

The directive outlines the FY 92 themes for regional coordination to support continuous improvements of Superfund's remedial program. Themes represent critical program areas that require special emphasis by Regional management, staff, and Regional Coordinators. This effort will improve the efficiency and quality of the Superfund program which furthers their commitment to Total Quality Management. Regional Coordinators will promote guidance awareness and national consistency.

Keywords: *Superfund, *Waste management, *Hazardous materials, Remedial action, Regional analysis, Technology innovation, Regional planning, Quality assurance, *Office of Solid Waste and Emergency Response, Innovative treatment technologies, Regional Coordinators, Remedial Project Managers, Cleanup.

PB92-963369/REB PC **A03**/MF **A01**
ECO Update. Volume 1, Number 3. The Role of Natural Resource Trustees in the Superfund Process. Bulletin.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
Mar 92, 12p OSWER-9345.0-05I-VOL-1-NO-3
See also PB92-963370.
Paper copy available on Standing Order, deposit account required (minimum deposit $200 U.S., Canada, and Mexico; all others $400). Single copies also available in paper copy or microfiche.

The bulletin is intended to help Remedial Project Managers and On-Scene Coordinators work with natural resource trustees during site assessment and remediation. It explains the authority and responsibilities of trustees, and the responsibilities of RPMs and OSCs with respect to trustee issues. The goal of this document is to help reduce delays and ensure compliance with relevant statutes by increasing understanding of trustee issues as they pertain to the Superfund program.

Keywords: *Superfund, *Waste management, *Hazardous materials, *Remedial action, Site surveys, Compliance, Natural resources management, Regional planning, Notification procedures, Federal agencies, Administrative procedures, *Natural resource trustees, *Cleanup operations, Responsibilities, Remedial Project Managers, On-Scene Coordinators, National Oil and Hazardous Substances Pollution Contingency Plan.

PB92-963370/REB PC **A03**/MF **A01**
ECO Update. Volume 1, Number 4. Developing a Work Scope for Ecological Assessments. Bulletin.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
May 92, 16p OSWER-9345.0-05I-VOL-1-NO-3
See also PB92-963369.
Paper copy available on Standing Order, deposit account required (minimum deposit $200 U.S., Canada, and Mexico; all others $400). Single copies also available in paper copy or microfiche.

The bulletin is intended for Remedial Project Managers (RPMs), to help them plan and manage ecological assessments of sites as part of the Remedial Investigation and Feasibility Study (RI/FS) process. As used here, the generic term work scope describes the process of specifying the work to be done for the ecological assessment, as part of the overall RI Work Plan. The term encompasses project scoping, development and approval of the Work Plan, and preparation of the Statement of Work (SOW) for contractors (at Fund-lead sites). The outcome of a successfully executed work scope should be an ecological assessment that includes four essential components: problem formulation, exposure assessment, ecological effects assessment, and risk characterization.

Keywords: *Superfund, *Waste management, *Hazardous materials, *Remedial action, *Ecology, Environmental impact assessments, Risk assessment, Feasibility studies, Exposure, Quality assurance, Quality control, Site surveys, Management planning, Biological effects, *Cleanup operations, *Work scope, Remedial Project Managers, On-Scene Coordinators.

PB92-963371/REB PC **A01**/MF **A01**
Superfund Accelerated Cleanup Bulletin. Volume 1, Number 3. Presumptive Remedies. Bulletin.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
Aug 92, 2p OSWER-9203.1-02I-VOL-1-NO-3
See also PB92-963367.
Paper copy available on Standing Order, deposit account required (minimum deposit $200 U.S., Canada, and Mexico; all others $400). Single copies also available in paper copy or microfiche.

The bulletin outlines the Superfund efforts underway for developing presumptive remedies for various types of sites. The objective of the presumptive remedies ini-

tiative is to use clean-up techniques shown to be effective in the past at similar sites in the future. The use of presumptive remedies will streamline removal actions, site studies, and clean-up actions, thereby improving consistency, reducing costs, and increasing the speed with which hazardous waste sites are remediated.

Keywords: *Superfund, *Waste management, *Hazardous materials, *Remedial action, *Technology assessment, Earth fills, Water pollution, Municipal wastes, Ground water, Solvents, Wood preservatives, *Cleanup operations, On-Scene Coordinators, Remedial Project Managers.

PB92-963372/REB PC **A02**/MF **A01**
Understanding Superfund Risk Assessment. Fact sheet.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
Jul 92, 8p OSWER-9285.7-08FS
Paper copy available on Standing Order, deposit account required (minimum deposit $200 U.S., Canada, and Mexico; all others $400). Single copies also available in paper copy or microfiche.

The fact sheet explains the Superfund risk assessment process in non-technical terms, defining risk assessment and risk management, and describing the four steps of risk assessment. Information is also provided on how the public can get more involved in Superfund risk assessment and suggestions for further reading.

Keywords: *Superfund, *Hazardous materials, *Waste management, Risk assessment, Public health, Public information, Exposure, Baseline measurements, *Office of Solid Waste and Emergency Response, Cleanup, National Priorities List, Risk management.

PB92-963373/REB PC **A02**/MF **A01**
Supplemental Guidance to RAGS: Calculating the Concentration Term. Volume 1, Number 1, May 1992. Intermittent bulletin.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
May 92, 10p OSWER-9285.7-08I-VOL-1-NO-1
Paper copy available on Standing Order, deposit account required (minimum deposit $200 U.S., Canada, and Mexico; all others $400). Single copies also available in paper copy or microfiche.

The bulletin explains the concentration term in the exposure/intake equation to remedial project managers, risk assessors, statisticians, and other personnel. This bulletin presents the general intake equation as presented in RAGS/HHEM Part A, discusses basic concepts concerning the concentration term, describes generally how to calculate the concentration term, presents examples to illustrate several important points, and identifies where to get additional help.

Keywords: *Superfund, *Hazardous materials, *Waste management, *Environmental health, Remedial action, Risk assessment, Guidelines, Exposure, Public health, Occupational safety and health, Concentration(Composition), Study estimates, *Office of Solid Waste and Emergency Response, *Risk Assessment Guidance for Superfund, Remedial Project Managers, Remedial response.

PB92-963374/REB PC **A03**/MF **A01**
ECO Update. Volume 1, Number 5, August 1992. Briefing the BTAG: Initial Description of Setting, History, and Ecology of a Site. Intermittent bulletin.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
Aug 92, 11p OSWER-9345.0-05I-VOL-1-NO-5
Paper copy available on Standing Order, deposit account required (minimum deposit $200 U.S., Canada, and Mexico; all others $400). Single copies also available in paper copy or microfiche.

The ECO Update is a bulletin series on ecological assessment of Superfund sites. The issue highlights the Biological Technical Assistance Groups (BTAGs) that assist Remedial Project Managers in managing assessments of whether ecological harm has occurred or may occur at a Superfund site.

Keywords: *Ecology, *Hazardous materials, *Assessments, Technical assistance, Management, Sites, Superfund, History, Remedial action.

PB92-963405/REB PC **A05**/MF **A01**
Compendium of ERT Field Analytical Procedures. Directive.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
May 92, 84p OSWER-9360.4-04
Paper copy available on Standing Order, deposit account required (minimum deposit $200 U.S., Canada, and Mexico; all others $400). Single copies also available in paper copy or microfiche.

The directive provides standard operating procedures for field analytical procedures, including the use of Sentex Scentograph Gas Chromatograph; Portable XRF Analyzer; Photoionization Detector -- HNU; Photovac 10A10 Portable Gas Chromatograph Operation; Photovac 10S50, 10S55, and 10S70 Gas Chromatograph Operation; Photovac GC Analysis for Air, Soil Gas, Water, and Soil; and Micromonitor M200.

Keywords: *Superfund, *Waste management, *Hazardous materials, *Air pollution detection, *Gas analysis, Standards, Chemical analysis, Field tests, Gas chromatography, Portable equipment, X-ray fluorescence analysis, Soil gases, Water analysis, Soil analysis, *Office of Solid Waste and Emergency Response, Environmental Response Team.

PB92-963406/REB PC **A07**/MF **A02**
Compendium of ERT Air Sampling Procedures. Directive.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
May 92, 128p OSWER-9360.4-05
Paper copy available on Standing Order, deposit account required (minimum deposit $200 U.S., Canada, and Mexico; all others $400). Single copies also available in paper copy or microfiche.

The directive provides guidelines for ERT air sampling procedures, including SUMMA Canister Cleaning, SUMMA Canister Sampling, GC/MS Analysis of Tenax/CMS Cartridges and SUMMA Canisters, Preparation of SUMMA Canister Field Standards, Low Level Methane Analysis for SUMMA Canister Gas Samples, Asbestos Sampling, Tedlar Bag Sampling, Charcoal Tube Sampling, Tenax Tub Sampling, and Polyurethane Foam Sampling.

Keywords: *Superfund, *Waste management, *Hazardous materials, *Air pollution sampling, Guidelines, Gas chromatography, Gas analysis, Mass spectroscopy, Sample preparation, Containers, Volatile organic compounds, Air pollution detection, Sampling, Standards, Methane, Charcoal, Polyurethanes, Foam, *SUMMA canisters, *Office of Solid Waste and Emergency Response, Tedlar bags, Environmental Response Team, Tenax tubes.

PB92-963409/REB PC **A03**/MF **A01**
Superfund Removal Procedures: Removal Enforcement Guidance for On-Scene Coordinators.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
Apr 92, 41p OSWER-9360.3-06
See also PB90-192055.
Available on Standing Order, deposit account required (minimum deposit $200 U.S., Canada, and Mexico; all others $400). Single copies also available in paper copy or microfiche.

The document is part of a ten-volume series of guidance documents collectively titled the Superfund Removal Procedures. These stand-alone volumes update and replace OSWER Directive 9360.0-3B, the single-volume Superfund Removal Procedures manual, issued in February 1988. Each volume in the series is dedicated to a particular aspect of the removal process and includes a volume-specific Table of Contents, Reference List, and Key Words Index. The series comprises the following nine procedural volumes. The document summarizes the relevant guidance and statutory authorities for conducting enforcement activities during removal actions.

Keywords: *Hazardous materials, *Removal, *Pollution control, Manuals, Guidelines, Statutes, Law enforcement, Government policies, Regulations, Coordination, Personnel, Sites, *Superfund.

PB92-963411/REB PC **A01**/MF **A01**
CERCLA Notifications: Emergency Response Notification System (ERNS) Fact Sheet.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
Apr 92, 2p OSWER-9360.0-23FS
Paper copy available on Standing Order, deposit account required (minimum deposit $200 U.S., Canada, and Mexico; all others $400). Single copies also available in paper copy or microfiche.

The Emergency Response Notification System (ERNS) provides a mechanism for documenting and verifying release notification information as initially reported to the National Response Center (NRC), the U.S. Environmental Protection Agency (EPA), and, to a limited extent, to the U.S. Coast Guard (USCG) for response decisions. The initial notification data may be followed up by various Federal, State and local response authorities, as appropriate. ERNS contains data that can be used to analyze release notifications and spills, support emergency planning efforts, and assist decision makers in developing spill prevention programs. The fact sheet provides summary information on notifications of releases of hazardous substances regulated under the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA), as amended.

Keywords: *Superfund, *Waste management, *Hazardous materials, Information systems, Notification procedures, Law enforcement, Emergency plans, Pollution regulations, National government, State government, *Office of Solid Wastes and Emergency Response, *Emergency Response Notification System, ERNS system, Comprehensive Environmental Response Compensation Liability Act.

PB92-963412/REB PC **A01**/MF **A01**
Overview of ERNS: Emergency Response Notification System (ERNS) Fact Sheet.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
Apr 92, 4p OSWER-9360.0-29FS
Paper copy available on Standing Order, deposit account required (minimum deposit $200 U.S., Canada, and Mexico; all others $400). Single copies also available in paper copy or microfiche.

The fact sheet provides an overview of the Emergency Response Notification System (ERNS), a national computer database used to store information on releases of oil and hazardous substances.

Keywords: *Superfund, *Waste management, *Hazardous materials, *Oil spills, *Water pollution, Information systems, Law enforcement, Notification procedures, Emergency plans, Pollution regulations, National government, State government, *Office of Solid Waste and Emergency Response, *Emergency Response Notification System, ERNS system.

PB92-963413/REB PC **A01**/MF **A01**
Oil Notifications: Emergency Response Notification System (ERNS) Fact Sheet.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
Apr 92, 2p OSWER-9360.0-22FS
Paper copy available on Standing Order, deposit account required (minimum deposit $200 U.S., Canada, and Mexico; all others $400). Single copies also available in paper copy or microfiche.

The Emergency Response Notification System (ERNS) is a national computer database which provides the only centralized mechanism for documenting and verifying incident notification information as initially reported to the National Response Center (NRC), the U.S. Environmental Protection Agency (EPA), and to a limited extent, the U.S. Coast Guard (USCG). The initial notification data may be followed up with updated information from various Federal, State and local response authorities, as appropriate. ERNS contains data that can be used to analyze release notifications, support emergency planning efforts, and assist decision makers in developing spill prevention programs. The fact sheet provides summary information on notifications of releases of oil reported in accordance with the Clean Water Act (CWA). Under Section 311 of the CWA, discharges of oil which: (1) cause a sheen to appear on the surface of the water; (2) violate applicable water quality standards; or (3) cause sludge or emulsion to be deposited beneath the surface of the

water or adjoining shoreline, must be reported to the NRC.

Keywords: *Superfund, *Oil spills, *Water pollution, Oil pollution, Petroleum products, Crude oil, Information systems, Clean Water Act, Land pollution, Law enforcement, Notification procedures, Emergency plans, Pollution regulations, National government, State government, Shores, *Office of Solid Waste and Emergency Response, *Emergency Response Notification System, ERNS system.

PB92-963414/REB PC **A09**/MF **A03**
Standard Operating Safety Guides.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
Jun 92, 194p OSWER-9285.1-03
Available on Standing Order, deposit account required (minimum deposit $200 U.S., Canada, and Mexico; all others $400). Single copies also available in paper copy or microfiche.

The guides provide information on health and safety and are to complement professional judgment and experience, and to supplement existing Regional Office safety procedures. The document provides guidance for ensuring health and safety of site personnel who work with hazardous substances or who work at uncontrolled hazardous waste sites. The guidance is intended for federal, state, and local managers and personnel at sites where hazardous materials are present. The SOSG is intended to provide a comprehensive overview of the information needed by employers to meet their responsibility to assure the health and safety of employees engaged in operations at hazardous waste sites.

Keywords: *Hazardous materials, *Safety, *Pollution control, *Public health, Guidelines, Sites, Personnel services, National government, State government, Local government, Removal, Operations, regional planning, Employers, Responsibility, *Superfund.

PB92-963416/REB PC **A03**/MF **A01**
Superfund Removal Procedures: Public Participation Guidance for On-Scene Coordinators: Community Relations and the Administrative Record.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
Jul 92, 43p OSWER-9360.3-05
Supersedes PB90-192055.
Available on Standing Order, deposit account required (minimum deposit $200 U.S., Canada, and Mexico; all others $400). Single copies also available in paper copy or microfiche.

The document is part of a ten-volume series of guidance documents collectively titled the Superfund Removal Procedures. Each volume in the series is dedicated to a particular aspect of the removal process. The document summarizes the relevant public participation guidance and statutory authorities for conducting community relations and administrative record activities.

Keywords: *Hazardous materials, *Removal, *Pollution control, Instruction, Guidelines, Citizen participation, Statutes, Coordination, Community relations, Authority, Management, *Superfund.

PB92-963418/REB PC **A12**/MF **A03**
Analysis of State Superfund Programs: 50-State Study. 1991 Update.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
Dec 91, 267p OSWER-9375.6-08B
See also PB91-921259 and PB90-272733.
Paper Copy available on Standing Order, deposit account required (minimum deposit $200 U.S., Canada, and Mexico; all others $400). Single copies also available in paper copy or microfiche.

Under the Superfund Amendments and Reauthorization Act (SARA) of 1986, Congress requires the EPA to involve States in the Superfund program in a 'substantial and meaningful' way. The State and Local Coordination Branch (SLCB) is responsible for developing regulations, guidance, and policy related to this Congressional mandate. As part of its responsibilities, the SLCB tries to maintain comprehensive information about State capabilities to contribute to or manage cleanups at hazardous waste sites. Under a cooperative agreement with EPA, the Environmental Law Institute has collected, organized, and summarized the information presented here on State cleanup programs.

Keywords: *Superfund, *State programs, *Waste management, *Hazardous materials, United States, Remedial action, Land pollution abatement, Information transfer, Pollution regulations, Environmental policy, Guidelines, Cleanup, Comprehensive Environmental Response Compensation and Liability Act.

PB92-963419/REB PC **A01**/MF **A01**
Guide to Removal Enforcement. Fact sheet.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
Jul 92, 4p OSWER-9360.3-06FS
See also PB92-963409.
Paper copy available on Standing Order, deposit account required (minimum deposit $200 U.S., Canada, and Mexico; all others $400). Single copies also available in paper copy or microfiche.

The fact sheet summarizes a Superfund Removal Procedures volume entitled 'Removal Enforcement Guidance for On-Scene Coordinators' describing the essential components of the removal enforcement process along with recent Agency enforcement initiatives stemming from the Management Review of the Superfund Program (the '90-Day Study').

Keywords: *Superfund, *Waste management, *Hazardous materials, Law enforcement, Guidelines, Remedial action, Cost repayments, *Office of Solid Waste and Emergency Response, Comprehensive Environmental Response Compensation and Liability Act, Cleanup, On-Scene Coordinators, Settlements, Potentially responsible parties.

PB92-963420/REB PC **A02**/MF **A01**
OPA Update: Implementation of the Oil Pollution Act of 1990. Volume 2, Number 1. Bulletin.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
Aug 92, 8p OSWER-9200.5-115I
Paper copy available on Standing Order, deposit account required (minimum deposit $200 U.S., Canada, and Mexico; all others $400). Single copies also available in paper copy or microfiche.

The issue includes information on facility response plans, the Environmental Response Team, mechanical containment and recovery of oil, and the recent designation of Areas under the OPA.

Keywords: *Oil pollution, *Monongahela River, Containment, Storage tanks, Water supply, Damage assessment, Ecology, Prevention, Regulations, Response, Facilities, US EPA, Navigation, Project planning, Oil spills, Oil pollution Act of 1990.

PB92-963422/REB PC **A02**/MF **A01**
Notification Requirements for Continuous Releases of Hazardous Substances. Fact sheet.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
Sep 92, 9p OSWER-9360.7-08FS
Paper copy available on Standing Order, deposit account required (minimum deposit $200 U.S., Canada, and Mexico; all others $400). Single copies also available in paper copy or microfiche.

The fact sheet is designed to make facilities more familiar with the Continuous Releases Final Rule (55 FR 30166, July 24, 1990), which permits reduced reporting of releases of CERCLA hazardous substances when the releases are 'continuous and stable in quantity and rate.' It also discusses the requirements of the continuous release reporting regulations and addresses many key questions concerning their scope and applicability, and answers questions about compliance with the reduced reporting regime permitted for this type of release.

Keywords: *Superfund, *Hazardous materials, *Waste management, Pollution regulations, Compliance, Requirements, Notification procedures, Remedial action, Path of pollutants, *Office of Solid Waste and Emergency Response, Comprehensive Environmental Response Compensation and Liability Act, Remedial response.

PB92-963706/REB PC **A14**/MF **A03**
Superfund Record of Decision (EPA Region 1): Savage Municipal Water Supply, Milford, NH. (First Remedial Action), September 1991. Final rept.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
27 Sep 91, 311p EPA/ROD/R01-91/059
Available on Standing Order, deposit account required for all RODS is $700 for U.S., Canada, and Mexico; all others $1,400. Deposit required for each region, $200, U.S., Canada, and Mexico; for all others $400. Also available individually in paper copy or microfiche.

The Savage Municipal Water Supply site is located in Milford, New Hampshire. The site and surrounding properties encompass the Savage Municipal Well, four major industrial facilities, and two fish hatcheries. In 1983, the State identified concentrations of several VOCs that were above drinking water standards in water from the Savage Municipal Well and water drawn from the well supplying a nearby trailer park. At the State's request, EPA conducted a removal action in 1983. The remedial action addresses potential risks to future use of the aquifer caused by ground water contamination at the site, within a 6,000- by 2,500-foot contaminated ground water plume. The ground water plume was divided into two zones: the concentrated plume, which contains the highest concentrations of contaminants; and the extended plume, which has the remainder of the contaminated ground water. The primary contaminants of concern affecting the ground water are VOCs including benzene, PCE, TCA, and TCE; and metals including arsenic, chromium, and lead.

Keywords: *Superfund, *Remedial action, *Hazardous materials, *Waste disposal, *Pollution control, Ground water, Volatile organic compounds, New Hampshire, Metals, Water pollution, Industrial wastes, *Record of Decision, EPA region 1, Milford(New Hampshire), Cleanup operations.

PB92-963707/REB PC **A12**/MF **A03**
Superfund Record of Decision (EPA Region 1): Iron Horse Park, Billerica, MA. (Second Remedial Action), June 1991.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
27 Jun 91, 266p EPA/ROD/R01-91/057
See also PB88-206247.
Available on Standing Order, deposit account required for all RODS is $700 for U.S., Canada, and Mexico; all others $1,400. Deposit required for each region, $200, U.S., Canada, and Mexico; for all others $400. Also available individually in paper copy or microfiche.

The 552-acre Iron Horse Park site is an active industrial complex and railyard with a long history of activities that have resulted in contamination of soil, ground water, and surface water in North Billerica, Massachusetts. The site includes open storage areas, landfills, and lagoons. The Record of Decision (ROD) addresses the onsite 60-acre landfill, known as the Shaffer Landfill, that was used for disposal of residential and commercial solid waste from 1946 until its closure in 1986. The ROD addresses OU2, final remediation of the Shaffer Landfill, including leachate and ground water. A future ROD will address surface water contamination as part of OU3. The primary contaminants of concern affecting the landfill materials, ground water, and air are VOCs including benzene, TCE, toluene, and xylenes; other organics including PAHs; and metals including arsenic and lead. The selected remedial action for the site is included.

Keywords: *Superfund, *Remedial action, *Hazardous materials, *Waste disposal, *Pollution control, Land pollution control, Water pollution control, Air pollution control, Massachusetts, Soil contamination, Ground water, Volatile organic compounds, Aromatic polycyclic hydrocarbons, Metals, Surface waters, *Record of Decision, Second remedial action, Cleanup, EPA region 1, North Billerica(Massachusetts).

PB92-963708/REB PC **A13**/MF **A03**
Superfund Record of Decision (EPA Region 1): Sullivan's Ledge Superfund Site, Middle Marsh Operable Unit, New Bedford, MA. (First Remedial Action), September 1991. Final rept.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
27 Sep 91, 297p EPA/ROD/R01-91/063
See also PB90-107608.

Available on Standing Order, deposit account required for all RODS is $700 for U.S., Canada, and Mexico; all others $1,400. Deposit required for each region, $200, U.S., Canada, and Mexico; for all others $400. Also available individually in paper copy or microfiche.

The Sullivan's Ledge site consists of a 12-acre former quarry site/disposal area and 14.5 acres of downgradient wetlands areas in New Bedford, Bristol County, Massachusetts. The downgradient portion of the site, which is the focus of the Record of Decision (ROD), includes two wetlands areas. From the 1930's to 1970's, the City of New Bedford acquired the property and used the quarry pits and nearby areas for disposal of hazardous materials including electrical transformers and capacitors, fuel oil, volatile liquids, and other industrial wastes. From 1988 to 1990, several EPA investigations identified contamination by PCBs and PAHs in surface and subsurface sediment, soil, and biota; and VOCs and inorganics in ground water. Contamination has resulted in part from contaminated sediment migrating from the disposal area via the Unnamed Stream and deposition in Middle Marsh during stream flooding. The ROD addresses the Middle Marsh as OU2. The primary contaminants of concern affecting the soil, sediment, and surface water are VOCs including toluene; other organics including PAHs, PCBs, pesticides, and phenols; and metals including lead. The selected remedial action for this site is included.

Keywords: *Superfund, *Remedial action, *Waste disposal, *Hazardous materials, *Pollution control, Soil contamination, Sediments, Surface waters, Water pollution control, Land pollution control, Industrial wastes, Volatile organic compounds, Metals, Lead(Metal), Pesticides, Organic compounds, *Record of Decision, First Remedial Action-Final, Bristol County(Massachusetts), Cleanup, EPA region 1.

PB92-963709/REB PC **A13**/MF **A03**
Superfund Record of Decision (EPA Region 1): Silresim Chemical, MA. (First Remedial Action), September 1991. Final rept.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
19 Sep 91, 281p EPA/ROD/R01-91/061
Available on Standing Order, deposit account required for all RODS is $700 for U.S., Canada, and Mexico; all others $1,400. Deposit required for each region, $200, U.S., Canada, and Mexico; for all others $400. Also available individually in paper copy or microfiche.

The 4.5-acre Silresim Chemical site is a former chemical waste reclamation facility in Lowell, Massachusetts. From 1971 to 1977, Silresim Chemical Corporation (SCC) used the site for a chemical waste reclamation facility. State investigations revealed evidence of numerous spills, leakage of drums, discharges to nearby sewers, and run-off to adjacent property. A number of EPA and State investigations revealed contamination of soil and ground water. From 1978 to 1982, the State constructed a fence, removed liquid waste in onsite drums and tanks, and constructed berms and absorbent-filled trenches. From 1983 to 1984, EPA removed all onsite structures, extended the fence, and placed a clay cap over the site. The Record of Decision (ROD) addresses both onsite and offsite soil and ground water contamination. The primary contaminants of concern affecting the soil and ground water are VOCs including benzene, TCE, toluene, and xylenes; other organics including dioxin, PAHs, PCBs, and phenols; and metals including arsenic, chromium, and lead. The selected remedial action for the site is included.

Keywords: *Superfund, *Remedial action, *Hazardous materials, *Waste disposal, *Pollution control, Chemical compounds, Soil contamination, Ground water, Water pollution control, Land pollution control, Volatile organic compounds, Metals, Organic compounds, Industrial wastes, *Record of Decision, First Remedial Action-Final, Cleanup, Lowell(Massachusetts), EPA region 1.

PB92-963710/REB PC **A11**/MF **A03**
Superfund Record of Decision (EPA Region 1): Groveland Wells, Operable Unit 1, Groveland, MA. (Second Remedial Action), September 1991. Final rept.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
30 Sep 91, 245p EPA/ROD/R01-91/058
Portions of this document are not fully legible.
Available on Standing Order, deposit account required for all RODS is $700 for U.S., Canada, and Mexico; all others $1,400. Deposit required for each region, $200, U.S., Canada, and Mexico; for all others $400. Also available individually in paper copy or microfiche.

The 850-acre Groveland Wells site is a municipal well field in Groveland, Massachusetts. The site is underlain by a surfical unconsolidated aquifer, which is a source of ground water for the well field, and a deeper bedrock aquifer. In 1979, elevated levels of TCE were discovered in the onsite water supply wells, resulting in the closure of the wells, development of alternate water supplies, and investigations by EPA. EPA investigations identifed three likely sources of contamination: the A.W. Chesterton Company, currently being remediated under RCRA corrective action and closure activities; the Haverhill Municipal Landfill, which has been addressed as a separate CERCLA action; and the Valley Manufactured Products Company (Valley), a screw machine products manufacturer and finisher. The ROD addresses management of migration of contamination in the surfical and bedrock aquifers extending from the valley site, as a final remedy. The primary contaminants of concern affecting the ground water are VOCs including benzene, PCE, TCE, and toluene; and metals including arsenic, chromium, and lead. The selected remedial action for the site is included.

Keywords: *Superfund, *Remedial action, *Waste disposal, *Hazardous materials, *Pollution control, Ground water, Water pollution control, Volatile organic compounds, Metals, Water wells, Water supply, Industrial wastes, Municipal wastes, *Record of Decision, Cleanup, Second Remedial Action - Final, EPA region 1, Groveland(Massachusetts).

PB92-963807/REB PC **A06**/MF **A02**
Superfund Record of Decision (EPA Region 2): Mattiace Petrochemicals Co., Inc., Nassau County, Glen Cove, NY. (Second Remedial Action), June 1991. Final rept.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
27 Jun 91, 106p EPA/ROD/R02-91/144
See also PB91-921533.
Available on Standing Order, deposit account required for all RODS is $700 for U.S., Canada, and Mexico; all others $1,400. Deposit required for each region, $200, U.S., Canada, and Mexico; for all others $400. Also available individually in paper copy or microfiche.

The 2-acre Mattiace Petrochemicals site is an inactive liquid storage and redistribution facility in Glen Cove, Nassau County, New York. Surrounding land use is primarily industrial. Glen Cove Creek, a potential wetland area, is located south of the site. The site overlies a system of three unconsolidated sedimentary aquifers, of which the surficial Upper Glacial Aquifer has been affected by onsite contamination. From the mid-1960s to 1986, organic solvents were stored, blended, and repackaged onsite. In 1988, EPA characterized and disposed of 100,000 gallons of hazardous liquids offsite from approximately 24 above- and 32 underground storage tanks. In 1989, a second EPA investigation identified approximately 25 buried drums and numerous other containers that were leaking contaminated material into the surrounding soil and ground water. The ROD addresses remediation of onsite source materials, as well as management of migration of contaminated shallow ground water. The primary contaminants of concern affecting the soil, debris, and ground water are VOCs including PCE, TCE, toluene, and xylenes; other organics including PAHs, pesticides, and phenols; and metals including arsenic, chromium, and lead. The selected remedial action for this site is included.

Keywords: *Superfund, *Remedial action, *Hazardous materials, *Waste disposal, *Pollution control, New York, Site surveys, Land pollution, Water pollution, Underground storage, Storage tanks, Ground water, Metals, Phenols, Petrochemical plants, Industrial wastes, Volatile organic compounds, Pesticides, Aromatic polycyclic hydrocarbons, *Record of Decision, Cleanup operations, Nassau County(New York), EPA region 2.

PB92-963812/REB PC **A15**/MF **A03**
Superfund Record of Decision (EPA Region 2): Hooker Chemical S-Area, Niagara Falls, NY. (First Remedial Action), September 1990. Final rept.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
21 Sep 90, 342p EPA/ROD/R02-90/140
Available on Standing Order, deposit account required for all RODS is $700 for U.S., Canada, and Mexico; all others $1,400. Deposit required foor each region, $200, U.S., Canada, and Mexico; for all others $400. Also available individually in paper copy or microfiche.

The Hooker Chemical S-Area site is a former landfill area located in Niagara Falls, New York. The site lies adjacent to the Niagara River. Approximately 63,000 tons of chemical processing wastes were disposed of at the landfill. Ground water beneath the site also has been contaminated from aqueous phase and non-aqueous phase liquid chemicals. Chemicals have migrated toward the Niagara Falls Drinking Water Treatment Plant (DWTP) which lies to the east of the site, contaminating the Bedrock intake structures. The Record of Decision (ROD) addresses the landfill, a contaminated ground water plume, bedrock contamination, and the DWTP. The primary contaminants of concern affecting the soil, sediment, and ground water are VOCs including PCE; and other organics including chlorinated organics and pesticides. The selected remedial action for the site is included.

Keywords: *Superfund, *Remedial action, *Hazardous materials, *Waste disposal, *Pollution control, New York, Soil contamination, Sediments, Ground water, Water pollution, Volatile organic compounds, Chlorine organic compounds, Pesticides, Chemical industry, Earth fills, Water treatment plants, *Record of Decision, Niagara Falls(New York), EPA region 2, Cleanup operations.

PB92-963813/REB PC **A07**/MF **A02**
Superfund Record of Decision (EPA Region 2): NL Industries, Salem County, Pedricktown, NJ. (First Remedial Action), September 1991.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
27 Sep 91, 143p EPA/ROD/R02-91/162
Portions of this document are not fully legible.
Available on Standing Order, deposit account required for all RODS is $700 for U.S., Canada, and Mexico; all others $1,400. Deposit required for each region, $200, U.S., Canada, and Mexico; for all others $400. Also available individually in paper copy or microfiche.

The 44-acre NL Industries site is an inactive, secondary lead smelting facility in Pedricktown, Salem County, New Jersey. The site overlies the Cape May aquifer, a potential source of drinking water for local residents. In 1989, EPA began a multi-phased removal action. The Focused Feasibility Study resulted in the issuance of the Early Remedial Action Record of Decision (ROD), designated as Operable Unit (OU2). The nature and extent of remaining contamination on the site and areas adjacent to the site in various environmental media, such as soil, sediment, ground water, surface water, and air, are currently being evaluated and will be addressed as OU1 in a subsequent ROD. The primary contaminants of concern affecting the slag and lead oxide piles, sediment, debris, and standing surface water are metals including arsenic, chromium, and lead. The selected remedial action for the site is included.

Keywords: *Superfund, *Remedial action, *Hazardous materials, *Waste disposal, *Pollution control, New Jersey, Sediments, Surface waters, Water pollution, Metals, Lead(Metal), Smelting, Arsenic, Chromium, *Record of Decision, Cleanup operations, EPA region 2, Salem County(New Jersey).

PB92-963814/REB PC **A04**/MF **A01**
Superfund Record of Decision: Roebling Steel Company, Florence Township, Burlington County, NJ. (Second Remedial Action), September 1991.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
26 Sep 91, 60p EPA/ROD/R02-91/151
See also PB90-254335.
Available on Standing Order, deposit account required for all RODS is $700 for U.S., Canada, and Mexico; all others $1,400. Deposit required for each region, $200, U.S., Canada, and Mexico; for all others $400. Also available individually in paper copy or microfiche.

The 200-acre Roebling Steel site is an inactive steel wire and cable manufacturing facility in Florence Township, Burlington County, New Jersey. The Roebling Steel site produced steel products between 1906 and 1982. Approximately 1,458,000 cubic yards of slag

material from steel-making processes were used to fill in a large portion of the bordering Delaware River shoreline. In addition to the slag material, other potential sources of contamination were found. Based on Federal investigations conducted in 1983, three removal actions were conducted. The ROD addresses soil and debris contamination in the slag area and in the Southeast Park as OU2. The primary contaminants of concern affecting the soil and debris are VOCs including benzene, PCE, TCE, toluene, and xylenes; other organics including PAHs, PCBs, and pesticides; and metals including arsenic, chromium, and lead. The selected remedial action for the site is included.

Keywords: *Superfund, *Remedial action, *Hazardous materials, *Waste disposal, *Pollution control, Soil contamination, Earth fills, New Jersey, Volatile organic compounds, Aromatic polycyclic hydrocarbons, Polychlorinated biphenyls, Pesticides, Metals, Iron and steel industry, Slag disposal, *Record of Decision, Burlington County(New Jersey), Cleanup operations, EPA region 2.

PB92-963815/REB PC **A04**/MF **A01**
Superfund Record of Decision (EPA Region 2): Waldick Aerospace Devices, Wall Township, Monmouth County, NJ. (Second Remedial Action), March 1991.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
29 Mar 91, 70p EPA/ROD/R02-91/154
See also PB88-159926.
Available on Standing Order, deposit account required for all RODS is $700 for U.S., Canada, and Mexico; all others $1,400. Deposit required for each region, $200, U.S., Canada, and Mexico; for all others $400. Also available individually in paper copy or microfiche.

The 1.72-acre Waldick Aerospace Devices site is a former aerospace parts manufacturing facility in Wall Township, Monmouth County, New Jersey. The site overlies a sandy silt/sand aquifer system that is a potential source of drinking water. For at least the first 3 years of operation, wastewater containing metals and organic solvents was discharged directly onto the ground. As a result of State and local inspections, a number of investigations were conducted by EPA, which revealed VOCs, organics, and metals in soil and ground water in excess of MCLs. In 1985, EPA conducted a removal action that involved disposing of all manufacturing-related chemicals from the facility offsite. The ROD addresses both a final remedy for soil as a modification of the 1987 ROD, and an interim remedial action for ground water to prevent further ground water contaminant migration.

Keywords: *Superfund, *Remedial action, *Hazardous materials, *Waste disposal, *Pollution control, New Jersey, Soil contamination, Water pollution, Ground water, Volatile organic compounds, Metals, Organic compounds, Aerospace industry, Industrial wastes, *Record of Decision, Cleanup operations, EPA region 2, Monmouth County(New Jersey).

PB92-963816/REB PC **A03**/MF **A01**
Superfund Record of Decision (EPA Region 2): Upper Deerfield Township Sanitary Landfill, Upper Deerfield Township, Cumberland County, NJ. (First Remedial Action), September 1991. Final rept.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
30 Sep 91, 50p EPA/ROD/R02-91/153
Portions of this document are not fully legible.
Available on Standing Order, deposit account required for all RODS is $700 for U.S., Canada, and Mexico; all others $1,400. Deposit required for each region, $200, U.S., Canada, and Mexico; for all others $400. Also available individually in paper copy or microfiche.

The 14-acre Upper Deerfield Township Sanitary Landfill is an inactive landfill located on a 27-acre tract of land in Upper Deerfield Township, Cumberland County, New Jersey. Land use in the area is primarily agricultural. A number of State investigations identified VOCs including vinyl chloride, chlorinated solvents, and mercury in excess of Federal Drinking Water Standards in ground water. The Record of Decision (ROD) addresses ground water and air. Because EPA investigations showed that the ground water and soil contamination associated with the site no longer posed a health threat under current or likely land use conditions, there are no contaminants of concern affecting the site. The selected remedial action for the site includes no further action since previous investigations indicated that ground water and soil contamination associated with the site no longer pose a health threat under current or likely future land use conditions.

Keywords: *Superfund, *Hazardous materials, *Remedial action, *Waste disposal, *Pollution control, New Jersey, Sanitary landfills, Soil contamination, Land pollution control, Water pollution control, *Record of Decision, Cumberland County(New Jersey), EPA region 2, Cleanup operations.

PB92-963817/REB PC **A07**/MF **A02**
Superfund Record of Decision (EPA Region 2): Nascolite Corporation, Doris Avenue, Cities of Millville and Vineland, Cumberland County, NJ. (Second Remedial Action), June 1991. Final rept.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
28 Jun 91, 135p EPA/ROD/R02-91/145
See also PB89-128300.Portions of this document are not fully legible.
Available on Standing Order, deposit account required for all RODS is $700 for U.S., Canada, and Mexico; all others $1,400. Deposit required for each region, $200, U.S., Canada, and Mexico; for all others $400. Also available individually in paper copy or microfiche.

The 17.5-acre Nascolite site is an inactive acrylic and plexiglass sheet manufacturing plant in Millville, Cumberland County, New Jersey. The site lies within the New Jersey coastal plain and overlies clay, silt, sand, and gravel layers. The majority of the site is wooded, with a wetland located in the southwestern portion. In 1980, although the State ordered the plant to stop discharging wastewaters into the onsite drainage ditch, well water monitoring conducted during 1981 identified VOC-contamination in these wells. In 1984, the State identified over one hundred 55-gallon drums and several underground storage tanks buried onsite. In 1987, the State ordered Nascolite to remove some of the drums, and later during 1987 and 1988, EPA removed the remaining drums offsite. The ROD addresses contaminated onsite soil, sediment, and buildings. The primary contaminant of concern affecting the soil, sediment, and debris is the inorganic contaminant lead; and VOCs including benzene, PCE, TCE, toluene, and xylenes. The selected remedial action for the site is included.

Keywords: *Superfund, *Remedial action, *Hazardous materials, *Waste disposal, *Pollution control, New Jersey, Volatile organic compounds, Soil contamination, Sediments, Polymethyl methacrylate, Acrylic resins, Plastic industry, Metals, Underground storage, Storage tanks, Waste water, *Record of Decision, Cleanup operations, EPA region 2, Cumberland County(New Jersey).

PB92-963818/REB PC **A10**/MF **A03**
Superfund Record of Decision (EPA Region 2): General Motors/Central Foundry Division Site, St. Lawrence County, Massena, NY. (First Remedial Action), December 1990.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
17 Dec 90, 209p EPA/ROD/R02-91/131
Portions of this document are not fully legible.
Available on Standing Order, deposit account required for all RODS is $700 for U.S., Canada, and Mexico; all others $1,400. Deposit required for each region, $200, U.S., Canada, and Mexico; for all others $400. Also available individually in paper copy or microfiche.

The 270-acre General Motors/Central Foundry Division site is an active aluminum casting plant in Massena, St. Lawrence County, New York. The site overlies a surficial alluvial aquifer and is adjacent to wetlands, both of which have been contaminated. Additional onsite features of concern include the unlined North and East Disposal Areas and the Industrial Landfill, which contain contaminated soil, debris, sludge; four unlined Industrial Lagoons, which contain contaminated liquids, sludge, and soil; the rivers and creek which contains contaminated sediment; contaminated soil on the St. Regis Mohawk Reservation and on General Motors property; and contaminated associated wetlands. The Record of Decision (ROD) provides a final remedy for all site areas and media except the East Disposal Area and the Industrial Landfill, which will be addressed in a subsequent ROD. The primary contaminants of concern affecting the soil, sediment, sludge, debris, ground water, and surface water are PCBs, and to a much lesser degree, VOCs including TCE; and other organics including PAHs, and phenols. The selected remedial action for this site is included.

Keywords: *Superfund, *Remedial action, *Hazardous materials, *Waste disposal, *Pollution control, New York, Volatile organic compounds, Aromatic polycyclic hydrocarbons, Polychlorinated biphenyls, Phenols, Soil contamination, Sediments, Sludge disposal, Water pollution, Surface waters, Ground water, Waste water, *Record of Decision, EPA region 2, Cleanup operations, Saint Lawrence County(New York).

PB92-963819/REB PC **A06**/MF **A02**
Superfund Record of Decision (EPA Region 2): Frontera Creek Site, Humacao, Puerto Rico (First Remedial Action), September 1991. Final rept.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
30 Sep 91, 113p EPA/ROD/R02-91/164
Available on Standing Order, deposit account required for all RODS is $700 for U.S., Canada, and Mexico; all others $1,400. Deposit required for each region, $200, U.S., Canada, and Mexico; for all others $400. Also available individually in paper copy or microfiche.

The Frontera Creek site is composed of 13 industrial facilities and 200 acres of associated lagoons within the municipality of Humaco, Puerto Rico. The Commonwealth of Puerto Rico Environmental Quality Board (EQB) fined Technicon in 1978 for these processes, resulting in the cessation of its mercury discharges to the creek. During investigations in 1986, EPA identified mercury in surface soil and sediment on Technicon property associated with the storage, use, or discharge of mercury-containing compounds. The Record of Decision (ROD) addresses contaminated soil and sediment on the Technicon property and provides a final remedy for the site. The primary contaminant of concern affecting the soil and sediment is mercury. The selected remedial action for the site is included.

Keywords: *Superfund, *Remedial action, *Hazardous materials, *Waste disposal, *Pollution control, Puerto Rico, Frontera Creek, Industrial wastes, Soil contamination, Sediments, Metals, Mercury(Metal), Water pollution, *Record of Decision, Cleanup operations, EPA region 2, Humacao(Puerto Rico).

PB92-963820/REB PC **A06**/MF **A02**
Superfund Record of Decision (EPA Region 2): Fort Dix Landfill, Fort Dix Military Reservation, Pemberton Township, Burlington County, NJ. (First Remedial Action), September 1991. Final rept.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
24 Sep 91, 106p EPA/ROD/R02-91/167
Available on Standing Order, deposit account required for all RODS is $700 for U.S., Canada, and Mexico; all others $1,400. Deposit required for each region, $200, U.S., Canada, and Mexico; for all others $400. Also available individually in paper copy or microfiche.

The 126-acre Fort Dix Landfill site is an inactive landfill located in the southwest section of the U.S. Army Fort Dix Military Reservation, Pemberton Township, Burlington County, New Jersey. From 1950 until its closure in 1984, the site was used and operated by the Fort Dix Military Reservation to dispose of various wastes including household waste from the military base, paints, thinners, demolition debris, ash, and solvents. From 1968 to 1984, McGuire Air Force Base also used the landfill for waste disposal. A 1982 State investigation revealed ground water contamination beneath the site that had resulted from landfill leachate. The Record of Decision (ROD) addresses final source control at the site; however, if additional investigations reveal significant increases in unacceptable risk to human health and the environment, then additional remedial actions will be proposed. The primary contaminants of concern affecting the soil and debris are VOCs including benzene and toluene; other organics including PAHs; and metals including chromium and lead. The selected remedial action for this site is included.

Keywords: *Superfund, *Remedial action, *Hazardous materials, *Waste disposal, *Pollution control, New Jersey, Volatile organic compounds, Aromatic polycyclic hydrocarbons, Metals, Soil contamination, Military

facilities, Household wastes, Earth fills, *Record of Decision, Fort Dix, Cleanup operations, EPA region 2, Burlington County(New Jersey).

PB92-963821/REB PC **A05**/MF **A01**
Superfund Record of Decision (EPA Region 2): Hertel Landfill, Town of Plattekill, Ulster County, NY. (First Remedial Action), September 1991. Final rept.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
27 Sep 91, 96p EPA/ROD/R02-91/160
Available on Standing Order, deposit account required for all RODS is $700 for U.S., Canada, and Mexico; all others $1,400. Deposit required for each region, $200, U.S., Canada, and Mexico; for all others $400. Also available individually in paper copy or microfiche.

The 80-acre Hertel Landfill site consists of a 13-acre former municipal landfill and adjacent land in Plattekill, Ulster County, New York. The site overlies two natural aquifers. In 1976, the site was shut down for a variety of violations, including illegal dumping of industrial wastes and violating a town ordinance prohibiting the disposal of non-local waste. As a result of these improper disposal practices, a number of State investigations were conducted, which identified contamination by various organic compounds and metals in the onsite soil and ground water. The Record of Decision (ROD) addresses soil contaminated by landfill wastes, and ground water contaminated by landfill leachate. The primary contaminants of concern affecting the soil, sediment, debris, and ground water are VOCs including benzene, toluene, and xylenes; other organics including phenols; and metals including arsenic, chromium, and lead. The selected remedial action for the site is included.

Keywords: *Superfund, *Hazardous materials, *Remedial action, *Waste disposal, *Pollution control, New York, Soil contamination, Sediments, Ground water, Volatile organic compounds, Phenols, Metals, Earth fills, Water pollution, *Record of Decision, Cleanup operations, EPA region 2, Ulster County(New York).

PB92-963822/REB PC **A12**/MF **A03**
Superfund Record of Decision (EPA Region 2): Colesville Municipal Landfill Site, Town of Colesville, Broome County, NY. (First Remedial Action), March 1991. Final rept.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
29 Mar 91, 261p EPA/ROD/R02-91/135
Portions of this document are not fully legible.
Available on Standing Order, deposit account required for all RODS is $700 for U.S., Canada, and Mexico; all others $1,400. Deposit required for each region, $200, U.S., Canada, and Mexico; for all others $400. Also available individually in paper copy or microfiche.

The 35-acre Colesville Municipal Landfill site is a former municipal and industrial landfill in Colesville, Broome County, New York. Land use in the area is rural, and wetlands and woodlands are present in the vicinity of the site. Many of the 1,921 residents living within three miles of the site use ground water from shallow and deep aquifers and springs as their drinking water. In 1983 and 1984, private investigations identified that upper portions of the ground water beneath the site and in the vicinity of the site were being contaminated by the landfill. The Record of Decision (ROD) provides a final remedy for the landfill waste and soil, leachate seeps, associated contaminated sediment, and ground water. The primary contaminants of concern affecting the soil, sediment, debris, and ground water are VOCs including benzene, PCE, TCA, TCE; and metals including arsenic. The selected remedial action for the site is included.

Keywords: *Superfund, *Remedial action, *Hazardous materials, *Waste disposal, *Pollution control, New York, Municipal wastes, Earth fills, Soil contamination, Sediments, Ground water, Water pollution, Volatile organic compounds, Arsenic, Metals, *Record of decision, Cleanup operations, EPA region 2, Broome County(New York).

PB92-963823/REB PC **A05**/MF **A01**
Superfund Record of Decision (EPA Region 2): Applied Environmental Services Site, Glenwood Landing, Nassau County, NY. (First Remedial Action), June 1991. Final rept.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
24 Jun 91, 87p EPA/ROD/R02-91/146
Available on Standing Order, deposit account required for all RODS is $700 for U.S., Canada, and Mexico; all others $1,400. Deposit required for each region, $200, U.S., Canada, and Mexico; for all others $400. Also available individually in paper copy or microfiche.

The 3.2-acre Applied Environmental Services site is a former petroleum, gasoline, and solvent chemical facility in Glenwood Landing, Nassau County, New York. The site is surrounded by industrial, commercial, and residential properties. A tidal wetlands area of Hempstead Harbor is located to the west of the site. EPA and State investigations in 1984 identified VOCs, metals, and organics in soil, sediment, ground water, surface water, and air. Consequently, in 1984, the current site owner, Shore Realty, was required to remove 255 of the 410 drums containing hazardous waste that were stored on the property. In 1986 due to the imminent danger posed by the site, the State removed approximately 700,000 gallons of hazardous waste including PCBs from the facility. The Record of Decision (ROD) addresses contamination of soil, ground water, sediment, surface water, and air as a final remedy. The primary contaminants of concern affecting the soil, sediment, ground water, surface water, and air are VOCs including TCE, toluene, and xylenes; other organics including PCBs and PAHs; metals including arsenic, chromium, and lead; and oils. The selected remedial action for the site is included.

Keywords: *Superfund, *Remedial action, *Hazardous materials, *Waste disposal, *Pollution control, Soil contamination, Ground water, Surface waters, Air pollution, Sediments, Aromatic polycyclic hydrocarbons, Volatile organic compounds, Organic compounds, Metals, Oils, New York, Polychlorinated biphenyls, *Record of Decision, Cleanup operations, EPA region 2, Nassau County(New York).

PB92-963824/REB PC **A07**/MF **A02**
Superfund Record of Decision (EPA Region 2): Conklin Dumps, Broome County, Conklin, NY. (First Remedial Action), March 1991. Final rept.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
29 Mar 91, 136p EPA/ROD/R02-91/136
Available on Standing Order, deposit account required for all RODS is $700 for U.S., Canada, and Mexico; all others $1,400. Deposit required for each region, $200, U.S., Canada, and Mexico; for all others $400. Also available individually in paper copy or microfiche.

The 8.5-acre Conklin Dumps site is an inactive municipal landfill in Conklin, New York. Land use in the area is rural. The site consists of two municipal landfills referred to as the upper and the lower landfills. The lower landfill is adjacent to the 100-year floodplain of the Susquehanna River, and is bordered by wetlands. Portions of the landfill were operational between 1964 and 1975, and approximately 80,000 cubic meters of waste material were disposed of onsite during this time. In 1985, private investigations identified the presence of leachate seeps from the site and low levels of contaminants in ground water. The first Record of Decision (ROD) addresses containment of landfill leachate, and remediation of contaminated ground water as a final remedy. The primary contaminant of concern affecting the leachate and ground water is chloroethane, a VOC. The selected remedial action for this site is included.

Keywords: *Superfund, *Remedial action, *Hazardous materials, *Waste disposal, *Pollution control, Municipal wastes, Earth fills, Leaching, Environmental transport, Water pollution, Ground water, Land pollution, Volatile organic compounds, Chloroethanes, New York, *Record of Decision, Broome County(New York), EPA region 2, Cleanup operations.

PB92-963825/REB PC **A06**/MF **A02**
Superfund Record of Decision (EPA Region 2): Curcio Scrap Metal, Bergen County, Saddle Brook, NJ. (First Remedial Action), June 1991.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
28 Jun 91, 108p EPA/ROD/R02-91/143
Available on Standing Order, deposit account required for all RODS is $700 for U.S., Canada, and Mexico; all others $1,400. Deposit required for each region, $200, U.S., Canada, and Mexico; for all others $400. Also available individually in paper copy or microfiche.

The 1-acre Curcio Scrap Metal site encompasses two active scrap metal recycling businesses and associated warehouses in Saddle Brook Township, Bergen County, New Jersey. The site is situated above the Brunswick Formation which is a sole source aquifer. The formation supplies potable water to the public and private wells in the area. Since 1975, Curcio Scrap Metal, Inc. (CSMI) and Cirello Iron and Steel Company (CISC) have recycled scrap metals products onsite. Samples taken from the area and from onsite soil in 1984 revealed contamination by VOCs, organics, and metals. EPA issued an Administrative Order on Consent to the PRPs on May 27, 1988. Remedial Investigation activities were initiated in 1989 by the PRPs under the terms of the Order. The Record of Decision (ROD) provides a final remedy for the first operable unit (OU1), the approximately 1,800 cubic yards of contaminated onsite soil. Future RODs will address other ground and surface water contamination. The primary contaminants of concern affecting the soil are PCBs and metals including lead. The selected remedial action for this site is included.

Keywords: *Superfund, *Remedial action, *Hazardous materials, *Waste disposal, *Pollution control, Metal scrap, New Jersey, Metal recycling, Soil contamination, Polychlorinated biphenyls, Metals, Lead(Metal), Ground water, Surface waters, *Record of Decision, EPA region 2, Cleanup operations, Bergen County(New Jersey).

PB92-963826/REB PC **A06**/MF **A02**
Superfund Record of Decision (EPA Region 2): Warwick Landfill, Town of Warwick, Orange County, NY. (First Remedial Action), June 1991.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
27 Jun 91, 101p EPA/ROD/R02-91/141
Portions of this document are not fully legible.
Available on Standing Order, deposit account required for all RODS is $700 for U.S., Canada, and Mexico; all others $1,400. Deposit required for each region, $200, U.S., Canada, and Mexico; for all others $400. Also available individually in paper copy or microfiche.

The 13-acre Warwick Landfill is an inactive municipal and industrial waste disposal site in the Town of Warwick, Orange County, New York. The estimated 3,000 people who reside approximately 1.5 miles northeast of the site use residential wells as a source of drinking water. From 1898 until its closure in 1978, the Warwick Landfill accepted municipal and industrial wastes and sludge. Landfill contamination is attributed to the unpermitted and illegal disposal practices conducted by waste haulers and trespassers. The Record of Decision (ROD) addresses the contaminant source, the onsite landfill, and provides an interim ground water remedy for the first operable unit (OU1). The final remedy for ground water (OU2) will be addressed in a subsequent ROD. The primary contaminants of concern affecting the soil, and ground water are VOCs including benzene, TCE, toluene, and xylenes; other organics including PAHs and phenols; and metals including arsenic, chromium, and lead. The selected remedial action for the site is included.

Keywords: *Superfund, *Remedial action, *Hazardous materials, *Waste disposal, *Pollution control, New York, Earth fills, Soil contamination, Ground water, Land pollution control, Water pollution control, Volatile organic compounds, Aromatic polycyclic hydrocarbons, Metals, Phenols, Municipal wastes, *Record of Decision, First remedial action, Orange County(New York), EPA region 2, Cleanup.

PB92-963827/REB PC **A06**/MF **A02**
Superfund Record of Decision (EPA Region 2): Sinclair Refinery, Allegany County, Wellsville, NY. (Second Remedial Action), September 1991. Final rept.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
30 Sep 91, 107p
See also PB86-172434.
Available on Standing Order, deposit account required for all RODS is $700 for U.S., Canada, and Mexico; all others $1,400. Deposit required for each region, $200,

U.S., Canada, and Mexico; for all others $400. Also available individually in paper copy or microfiche.

The Sinclair Refinery site is a former refinery in Wellsville, Allegany County, New York. The site is composed of a 90-acre refinery area, 10-acre landfill area, and 14-acre offsite tank farm. From 1901 to 1958, the site was used to process Pennsylvania grade crude oil until a fire in 1958 halted operations. Currently, some private companies and the State University of New York occupy the site. A 1981 site inspection revealed that debris from the eroding landfill area has washed into and contaminated the Genesee River. The ROD addresses OU2, remediation of the remaining contaminated areas at the site located within the 90-acre refinery area and the offsite tank farm including the contaminated ground water beneath the refinery. The primary contaminants of concern affecting the soil and ground water are VOCs including benzene and xylenes, semi-volatile compounds including naphthalene and nitrobenzene, and metals including arsenic and lead. The selected remedial action for the site is included.

Keywords: *Superfund, *Remedial action, *Hazardous materials, *Waste disposal, *Pollution control, Soil contamination, Ground water, Land pollution control, Water pollution control, Volatile organic compounds, Metals, Naphthalene, Nitrobenzenes, Refineries, Crude oil, *Record of Decision, Second remedial action-Final, EPA region 2, Allegany County(New York), Cleanup.

PB92-963828/REB PC **A06**/MF **A02**
Superfund Record of Decision (EPA Region 2): Fibers Public Supply Wells, Guayama, PR. (First Remedial Action), September 1991. Final rept.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
30 Sep 91, 112p EPA/ROD/R02-91/155
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Available on Standing Order, deposit account required for all RODS is $700 for U.S., Canada, and Mexico; all others $1,400. Deposit required for each region, $200, U.S., Canada, and Mexico; for all others $400. Also available individually in paper copy or microfiche.

The 540-acre Fibers Public Supply Wells site is in Guayama, Puerto Rico. The site includes an active pharmaceutical plant (AWPI); two former manufacturing facilities, one of which encompasses two former settlement lagoons and a soil disposal area; and five public supply wells. The site overlies a class II aquifer. From 1966 to 1976, Fibers International Corporation (FIC) manufactured nylon fibers onsite. From 1976 to 1980, Chevron Chemical Company (CCCPR) expanded the operations of the FIC plant to include the production of polypropylene fibers. State and private site investigations in 1983 revealed the presence of elevated levels of organics and inorganics in soil and ground water. The Record of Decision (ROD) addresses a final remedy for source contamination in the soil disposal area and ground water. The primary contaminants of concern affecting the soil, debris, and ground water are VOCs including PCE and TCE; other organics; metals including chromium and lead; and other inorganics including asbestos. The selected remedial action for the site is included.

Keywords: *Superfund, *Remedial action, *Hazardous materials, *Waste disposal, *Pollution control, Land pollution control, Water pollution control, Soil contamination, Volatile organic compounds, Metals, Asbestos, Drug industry, Industrial wastes, Fibers, Puerto Rico, *Record of Decision, First Remedial Action - Final, Guayama(Puerto Rico), EPA region 2, Cleanup.

PB92-963829/REB PC **A03**/MF **A01**
Superfund Record of Decision (EPA Region 2): White Chemical Corporation, Essex County, Newark, NJ. (First Remedial Action), September 1991.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
26 Sep 91, 45p EPA/ROD/R02-91/150
Available on Standing Order, deposit account required for all RODS is $700 for U.S., Canada, and Mexico; all others $1,400. Deposit required for each region, $200, U.S., Canada, and Mexico; for all others $400. Also available individually in paper copy or microfiche.

The 4.4-acre White Chemical site is a former chemical manufacturing facility in Newark, Essex County, New Jersey. From 1983 to 1990, White Chemical Corporation (WCC) used the site to manufacture acid chlorides and flame retardant compounds. As a result of State inspections, a number of investigations were initiated by the State and EPA. In 1989, the State conducted several site investigations and issued notices of violation for improper management and storage of hazardous waste. As a result of WCC's failure to respond to any State notices or directives, the State initiated a removal action to stabilize the site. The Record of Decision (ROD) addresses interim remedial measures for surface contamination. A future ROD will address additional remedial measures deemed necessary as a result of a comprehensive RI/FS. The primary contaminants of concern identified in the tanks, drums, and containers are VOCs including benzene and xylenes, other organics, inorganics, and shock-sensitive compounds.

Keywords: *Superfund, *Remedial action, *Hazardous materials, *Waste disposal, *Pollution control, Volatile organic compounds, New Jersey, Chemical industry, Organic compounds, Inorganic compounds, *Record of Decision, First remedial action, Essex County(New Jersey), EPA region 2, Cleanup.

PB92-963830/REB PC **A05**/MF **A01**
Superfund Record of Decision (EPA Region 2): Circuitron Corporation, East Farmingdale, Suffolk County, NY. (First Remedial Action), March 1991.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
29 Mar 91, 84p EPA/ROD/R02-91/138
Portions of this document are not fully legible.
Available on Standing Order, deposit account required for all RODS is $700 for U.S., Canada, and Mexico; all others $1,400. Deposit required for each region, $200, U.S., Canada, and Mexico; for all others $400. Also available individually in paper copy or microfiche.

The one-acre Circuitron site is a former electronic circuit board manufacturing facility in East Farmingdale, Suffolk County, New York. Surrounding land use is industrial. From 1961 to 1986, circuit board manufacturing operations including metal plating were conducted onsite. Several onsite areas were used for discharge of process-generated wastes including one authorized and two unauthorized leaching pools. Circuitron remediated only one unauthorized leaching pool under the building and installed monitoring wells. In 1989, EPA removed 20 waste drums and contaminated debris from inside the building and three above-ground tanks from the rear of the building, and emptied two underground storage tanks. The selected remedial action for the site includes treating highly VOC-contaminated soil in the southwest corner of the site using in-situ vapor extraction; treating emissions using carbon adsorption and disposing of any spent carbon residuals offsite; excavating contaminated soil, sediment, and debris from the leaching pools, cesspools, and storm drains inside and outside of the building; incinerating these materials offsite, with offsite disposal of any residuals; decontaminating the building by vacuuming.

Keywords: *Hazardous materials, *Volatile organic compounds, *Pollution control, Electronics, Metal finishing, Soils, Sediments, Debris, Waste treatment, Activated carbon treatment, Adsorption, Storm sewers, Incinerators, Waste disposal, Decontamination, Vacuum apparatus, *Superfund, First Remedial Action, East Farmingdale(New York), Vapor extraction.

PB92-963831/REB PC **A05**/MF **A02**
Superfund Record of Decision (EPA Region 2): Juncos Landfill, Juncos, PR. (First Remedial Action), September 1991.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
24 Sep 91, 99p EPA/ROD/R02-91/156
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Available on Standing Order, deposit account required for all RODS is $700 for U.S., Canada, and Mexico; all others $1,400. Deposit required for each region, $200, U.S., Canada, and Mexico; for all others $400. Also available individually in paper copy or microfiche.

The approximately 20-acre Juncos Landfill site is an inactive municipal waste landfill in the City of Juncos, Puerto Rico. Land use in the area is predominantly residential, with a housing development located along the northern border of the site. Two unnamed tributaries are located outside the eastern and western borders of the site and flow to the Rio Gurabo. The Record of Decision (ROD) is the first of two operable units (OUs) and addresses contaminated soil and soil/leachate. The primary contaminants of concern affecting thesoil and debris are VOCs; other organics including phenol; and metals including arsenic, chromium, lead, and mercury. The selected remedial action for the site includes constructing a single barrier cap over the landfill to reduce surface infiltration, prevent direct contact, limit gas emissions, and control erosion; installing a passive landfill gas venting system.

Keywords: *Hazardous materials, *Volatile organic compounds, *Pollution control, *Municipalities, Earth fills, Soils, Debris, Metals, Arsenic, Chromium, Lead(Metal), Chromium, Ground water, Capping, Fluid infiltration, Erosion control, Vents, *Superfund, First remedial action, Juncos(Puerto Rico).

PB92-963832/REB PC **A04**/MF **A01**
Superfund Record of Decision (EPA Region 2): Naval Air Engineering Center, (Operable Unit 4), Lakehurst, NJ. (Third Remedial Action), September 1991. Final rept.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
30 Sep 91, 62p EPA/ROD/R02-91/157
Available on Standing Order, deposit account required for all RODS is $700 for U.S., Canada, and Mexico; all others $1,400. Deposit required for each region, $200, U.S., Canada, and Mexico; for all others $400. Also available individually in paper copy or microfiche.

The 7,400-acre Naval Air Engineering Center (NAEC) site, which contains many subsites, is a naval research design and testing facility near the Jackson and Manchester Townships, Ocean County, New Jersey. Subsequent investigations in 1990 discovered a gasoline leak in an underground pipe, which apparently was the source of ground water contamination. Onsite actions have included repairing the leak and excavating and disposing of 65 cubic yards of visually-contaminated soil. The ROD provides an interim remedy for ground water contamination. The primary contaminants of concern affecting the ground water are VOCs including benzene, toluene, and xylenes; and other organics including PAHs. The selected remedial action for the interim remedy includes onsite pumping and pretreating ground water using precipitation and filtration to remove metals, solids and residual amounts of free product, and air stripping to remove VOCs; filtering the effluent from the treatment process water using a granular activated carbon polishing filter, and discharging the treated water onsite.

Keywords: *Hazardous materials, *Ground water, *Military facilities, *Water pollution, Water wells, Volatile organic compounds, Solvents, Hydraulic fluids, Excavation, Benzene, Toluene, Xylenes, Aromatic polycyclic hydrocarbons, Pumping, Metals, Strippers, Activated carbon treatment, Fluid filters, Air pollution, Cost analysis, *Superfund, Record of Decision, *Third Remedial Action - Final, Ocean County(New Jersey).

PB92-963833/REB PC **A07**/MF **A02**
Superfund Record of Decision (EPA Region 2): Swope Oil and Chemical Company, Pennsauken Township, Camden County, NJ. (Second Remedial Action), September 1991.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
27 Sep 91, 136p EPA/ROD/R02-91/158
See also PB86-172467.Portions of this document are not fully legible.
Available on Standing Order, deposit account required for all RODS is $700 for U.S., Canada, and Mexico; all others $1,400. Deposit required for each region, $200, U.S., Canada, and Mexico; for all others $400. Also available individually in paper copy or microfiche.

The 2-acre Swope Oil and Chemical site is a former chemical reclamation facility in Pennsauken, Camden County, New Jersey. Land use in the area is predominantly commercial and industrial, and Pennsauken Creek lies 0.8 miles northeast of the site. In 1975, State investigations showed that discharge of wastes to onsite drainage ditches had resulted in probable migration of chemicals to Pennsauken Creek via storm sewers. The selected remedial action for the site includes treating onsite approximately 153,000 cubic yards of contaminated unsaturated soil using in-situ vacuum extraction with potential enhancement of biodegradation of soil contaminants, if the results of the treatability study so warrant; treating air emissions

using carbon adsorption or thermal destruction prior to discharge.

Keywords: *Hazardous materials, *Volatile organic compounds, *Pollution control, Chemical industry, Soils, Naphthalene, Trichloroethylene, Industrial wastes, Ground water, Extraction, Vacuum apparatus, Air pollution, Biodeterioration, Adsorption, Activated carbon process, Incinerators, Monitoring, Cost analysis, *Superfund, Record of Decision, Second Remedial Action, *Pennsauken(New Jersey).

PB92-963834/REB PC **A04**/MF **A01**
Superfund Record of Decision (EPA Region 2): Garden State Cleaners, Buena Borough, Atlantic County, NJ. (First Remedial Action), September 1991. Final rept.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
26 Sep 91, 63p EPA/ROD/R02-91/148
Portions of this document are not fully legible.
Available on Standing Order, deposit account required for all RODS is $700 for U.S., Canada, and Mexico; all others $1,400. Deposit required for each region, $200, U.S., Canada, and Mexico; for all others $400. Also available individually in paper copy or microfiche.

The 3,000-square-foot Garden State Cleaners (GSC) site is an active dry cleaning operation in Minotola, Bueno Borough, Atlantic County, New Jersey. Land use in the area is residential and commercial, and local residents obtain drinking water from the Borough municipal water supply system. From 1966 to the present, dry cleaning activities using PCE were conducted at the GSC site, and until 1985, wastes were discharged through pipes directly into the ground. In 1984, State investigations showed elevated levels of PCE in ground water adjacent to and downgradient from the GSC and SJCC facilities, and elevated levels of PCE and TCE in onsite soil. The selected remedial action for the site includes treating onsite approximately 1,600 cubic yards of contaminated soil using in-situ vapor extraction; treating the contaminated wastewater from the vapor extraction processes onsite using an air stripping column; treating air emissions using carbon adsorption units; pumping and onsite treatment of contaminated ground water using air stripping and carbon adsorption; reinjecting the treated ground water upgradient from the site; regenerating spent activated carbon from both treatment processes offsite; conducting long-term ground water monitoring; and implementing temporary institutional controls. The estimated present worth cost for the remedial action at the GSC site is $5,451,000, which includes an estimated annual O&M cost of $249,500 for 70 years.

Keywords: *Hazardous materials, *Volatile organic compounds, *Pollution control, Water supply, Ground water, Soils, Benzene, Toluene, Vapors, Extraction, Waste water treatment, Strippers, Activated carbon treatment, Monitoring, Cost estimates, *Superfund, Record of Decision, First Remedial Action, *Atlantic County(New Jersey), Polychloroethelene.

PB92-963921/REB PC **A07**/MF **A02**
Superfund Record of Decision (EPA Region 3): William Dick Lagoons, West Caln Township, Chester County, PA. (First Remedial Action), June 1991.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
28 Sep 91, 127p EPA/ROD/R03-91/137
Portions of this document are not fully legible.
Available on Standing Order, deposit account required for all RODS is $700 for U.S., Canada, and Mexico; all others $1,400. Deposit required for each region, $200, U.S., Canada, and Mexico; for all others $400. Also available individually in paper copy or microfiche.

The 4.4-acre William Dick Lagoons site is a chemical wastewater disposal site in West Caln Township, Chester County, Pennsylvania. An estimated 30 residences located within 1,000 feet of the site use private wells for their drinking water supply. Two other Superfund sites are near the site. From the 1950's to 1970, Mr. William Dick used the lagoons to dispose of wastewater left from cleaning the interiors of chemical and petroleum tank trailers owned primarily by Chemical Leaman Tank Lines, (CLTL), and residual chemical products. Later in 1970, vandalism caused the release of an estimated 300,000 gallons of wastewater into Birch Run, a tributary of the West Branch of Brandywine Creek. As a result of this discharge, more than 2,600 fish died, and water supplies that used Brandywine Creek as a water source were closed. The Record of Decision (ROD) provides an interim remedy and addresses contaminated residential water as Operable Unit 1 (OU1) and ground water as OU2. A future ROD will address source control and will provide a remedy for the cleanup of contaminated soil. The primary contaminants of concern affecting the ground water are VOCs including benzene, PCE, and TCE; other organics including phenols; and metals. The selected remedial action for the site is included.

Keywords: *Superfund, *Remedial action, *Hazardous materials, *Waste disposal, *Pollution control, Pennsylvania, Ground water, Volatile organic compounds, Phenols, Metals, Water pollution, *Record of Decision, EPA region 3, Chester County(Pennsylvania), Cleanup operations.

PB92-963922/REB PC **A06**/MF **A02**
Superfund Record of Decision (EPA Region 3): Havertown PCP (Pentachlorophenol), Haverford Township, Delaware County, PA. (Second Remedial Action), September 1991.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
30 Sep 91, 121p EPA/ROD/R03-91/131
See also PB90-178112.Portions of this document are not fully legible.
Available on Standing Order, deposit account required for all RODS is $700 for U.S., Canada, and Mexico; all others $1,400. Deposit required for each region, $200, U.S., Canada, and Mexico; for all others $400. Also available individually in paper copy or microfiche.

The 12- to 15-acre Havertown PCP site consists of a former wood treatment facility and an adjacent industrial facility in Haverford Township, Delaware County, Pennsylvania. It has been estimated that up to 1 million gallons of spent wood preservatives were dumped into a nearby drip well. The disposal practice is believed to be a primary source of contamination to ground water and, ultimately, Naylors Run. In 1976, EPA initiated a response action. The ROD addresses an interim remedy for shallow ground water contamination, as OU2. A subsequent ROD will address sediment contamination in Naylors Run, soil contamination onsite, potential deep ground water contamination from onsite soil, and surface water and sediment contamination due to runoff from onsite soil, as OU3. The primary contaminants of concern affecting the ground water are VOCs including benzene, TCE, toluene, and xylenes; other organics including dioxin, oils, PAHs, PCP, and phenols; and metals including arsenic. The selected remedial action for the interim remedy is included.

Keywords: *Superfund, *Remedial action, *Hazardous materials, *Waste disposal, *Pollution control, Pennsylvania, Volatile organic compounds, Industrial wastes, Wood preservatives, Water pollution, Ground water, Metals, Dioxins, Aromatic polycyclic hydrocarbons, Phenol/pentachloro, Phenols, Oils, *Record of Decision, EPA region 3, Delaware County(Pennsylvania), Cleanup operations.

PB92-963923/REB PC **A03**/MF **A01**
Superfund Record of Decision (EPA Region 3): Sealand Limited Site, Mt. Pleasant, DE. (First Remedial Action), September 1991. Final rept.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
30 Sep 91, 34p EPA/ROD/R03-91/121
Available on Standing Order, deposit account required for all RODS is $700 for U.S., Canada, and Mexico; all others $1,400. Deposit required for each region, $200, U.S., Canada, and Mexico; for all others $400. Also available individually in paper copy or microfiche.

The 2-acre Sealand Limited site, a former coal tar treatment and recycling facility, is located in Mt. Pleasant, New Castle County, Delaware. Ground water underlying the site is used as a source of drinking water. Sealand allegedly conducted treatment, processing, and recycling of coal to tar and off- specification creosote wastes onsite until abandoning the site in 1983. A 1983 State investigation discovered 21 steel tanks or hoppers; a 10,000-gallon wooden storage tank and 300 55-gallon steel drums, which were leaking liquids onsite; a boiler house; and various mixing chambers and pressure vessels on the abandoned site. Additional studies by EPA and the State identified organics including PAHs, creosols, and solvents in the onsite soil, drums, and tanks. Subsequently in 1983, EPA conducted an emergency removal action. The Record of Decision (ROD) addresses onsite soil as the first and final operable unit (OU1). All hazardous materials contained in abandoned onsite tanks and drums were disposed of offsite during the EPA removal action, and any remaining soil contaminants pose low risks for humans at the site. Based on this rationale, there are no primary contaminants of concern affecting the site. The selected remedial action for this site is no action.

Keywords: *Superfund, *Remedial action, *Hazardous materials, *Waste disposal, *Pollution control, Delaware, Coal tar, Waste recycling, Ground water, Water pollution control, Land pollution control, Storage tanks, Drums(Containers), *Record of Decision, EPA region 3, New Castle County(Delaware), Cleanup operations.

PB92-963924/REB PC **A04**/MF **A01**
Superfund Record of Decision (EPA Region 3): First Piedmont Rock Quarry/Route 719 Site, Danville, VA. (First Remedial Action), June 1991. Final rept.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
28 Jun 91, 66p EPA/ROD/R03-91/134
Available on Standing Order, deposit account required for all RODS is $700 for U.S., Canada, and Mexico; all others $1,400. Deposit required for each region, $200, U.S., Canada, and Mexico; for all others $400. Also available individually in paper copy or microfiche.

The 4-acre First Piedmont Quarry Route 719 site is an inactive industrial and agricultural landfill located north of the city of Danville in Pittsylvania County, Virginia. The landfill is a ground water discharge area for an underlying aquifer draining through the wetlands to Lawless Creek, which runs 1,400 feet northwest of the quarry. Wastes include hundreds of buried drums; tires; scrap rubber; approximately 15,000 gallons of a mixture of MS-20 (a floor degreaser containing PCE), water, carbon black, and detergent; off-specification batch materials containing trace amounts of lead oxide; soil; tobacco scraps; and wood. The Record of Decision (ROD) provides a final remedy for all site media including the landfill material, leachate, the Carbon Black Pile and Waste Pile, and the contaminated Northern Drainage soil and sediment. The contaminants of concern are metals including antimony, arsenic, lead, barium, and zinc. The selected remedial action for this site is included.

Keywords: *Superfund, *Hazardous materials, *Remedial action, *Waste disposal, *Pollution control, Virginia, Metals, Soil contamination, Sediments, Ground water, Surface waters, Earth fills, Industrial wastes, Agricultural wastes, *Record of Decision, Cleanup operations, EPA region 3, Pittsylvania County(Virginia).

PB92-963925/REB PC **A05**/MF **A01**
Superfund Record of Decision (EPA Region 3): Arrowhead Associates/Scovill, Montross, VA. (First Remedial Action), September 1991. Final rept.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
30 Sep 91, 85p EPA/ROD/R03-91/132
Available on Standing Order, deposit account required for all RODS is $700 for U.S., Canada, and Mexico; all others $1,400. Deposit required for each region, $200, U.S., Canada, and Mexico; for all others $400. Also available individually in paper copy or microfiche.

The 30-acre Arrowhead Associates/Scovill site is a cosmetic-case manufacturing and filling facility in Westmoreland County, Virginia. The site overlies a shallow aquifer that is used by an estimated 500 people as a drinking water supply. Ownership of the site has changed hands several times. From 1966 to 1979, Scovill, Inc., and later Arrowhead Associates (AA), used the site for manufacturing cosmetic cases using electroplating, lacquering, and enameling processes. Currently, Virginia Elastics uses the former plating area as a storage warehouse. Numerous investigations by the State and EPA revealed extensive soil and ground water contamination. The Record of Decision (ROD) addresses final remediation of soil and ground water. The primary contaminants of concern affecting the soil and ground water are VOCs including benzene, PCE, TCE, toluene, and xylenes; and metals including chromium and lead. The selected remedial action for this site is included.

Keywords: *Superfund, *Remedial action, *Hazardous materials, *Waste disposal, *Pollution control, Virginia,

Soil contamination, Ground water, Water pollution, Volatile organic compounds, Metals, Industrial wastes, Coating processes, *Record of Decision, EPA region 3, Montross(Virginia), Cleanup operations.

PB92-963926/REB PC **A05**/MF **A01**
Superfund Record of Decision (EPA Region 3): Whitmoyer Laboratories (Operable Unit 3), Lebanon County, PA. (Third Remedial Action), December 1990. Final rept.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
31 Dec 90, 93p EPA/ROD/R03-91/109
See also PB92-963912 and PB90-114661.
Available on Standing Order, deposit account required for all RODS is $700 for U.S., Canada, and Mexico; all others $1,400. Deposit required for each region, $200, U.S., Canada, and Mexico; for all others $400. Also available individually in paper copy or microfiche.

The 22-acre Whitmoyer Laboratories site is an inactive laboratory facility in Jackson Township, Lebanon County, Pennsylvania. In addition, part of the site lies within the 100-year floodplain of the Tolpehocken Creek-Union Canal. An estimated 20 residences in the vicinity of the site use the underlying aquifer as their drinking water supply. Between 1978 and 1982, the site changed ownership twice, and then in 1985, a RCRA site closure plan was filed. In 1986, EPA began providing bottled water to residents with ground water contaminated by site activities. A public water supply line extension is currently being designed and will be constructed as part of a removal action. The ROD addresses contaminated onsite soil, sediment, and ground water as OU3. The primary contaminants of concern affecting the soil, sediment, debris, and ground water are VOCs including benzene, TCE, and PCE; other organics including PAHs; and metals including arsenic. The selected remedial action for the site is included.

Keywords: *Superfund, *Remedial action, *Hazardous materials, *Waste disposal, *Pollution control, Soil contamination, Sediments, Water pollution control, Land pollution control, Ethylene/trichloro, Tetrachloroethylene, Aromatic polycyclic hydrocarbons, Ground water, Volatile organic compounds, Phenols, Metals, Laboratories, *Record of Decision, Third remedial action - Final, EPA region 3, Cleanup, Lebanon County(Pennsylvania).

PB92-963927/REB PC **A04**/MF **A01**
Superfund Record of Decision (EPA Region 3): Saunders Supply Company, Chuckatuck, VA. (First Remedial Action), September 1991. Final rept.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
30 Sep 91, 71p EPA/ROD/R03-91/136
Available on Standing Order, deposit account required for all RODS is $700 for U.S., Canada, and Mexico; all others $1,400. Deposit required for each region, $200, U.S., Canada, and Mexico; for all others $400. Also available individually in paper copy or microfiche.

The 7.3-acre Saunders Supply site is an active lumber yard facility in the Village of Chuckatuck, a rural area of the City of Suffolk, Virginia. Land use in the area is predominantly mixed residential and commercial. The site is composed of the Saunders Supply Company property and a portion of the adjacent Kelly property. From 1964 to 1991, the SaundersSupply Company used the site to chemically treat wood before distribution. The improper treatment and disposal processes have contaminated onsite soil, sediment, and ground water. Prinicipal site features include the treatment facilities, a former conical burn pit area, a former earthen separation pond, and a wastewater pond west of the site. EPA conducted additional investigations that revealed the presence of pentachlorophenol (PCP), arsenic, and chromium in the ground water. The Record of Decision (ROD) addresses all media impacted by site contamination as a final remedy. The primary contaminants of concern affecting soil, sediment, and ground water are organics including dioxins and PCP; and metals including arsenic and chromium. The selected remedial action for the site is included.

Keywords: *Superfund, *Remedial action, *Hazardous materials, *Waste disposal, *Pollution control, Virginia, Soil contamination, Land pollution control, Water pollution control, Ground water, Dioxins, Metals, Lumber, Wood preservatives, *Record of Decision, First remedial action-Final, Chuckatuck(Virginia), EPA region 3, Cleanup, Phenol/pentachloro.

PB92-963928/REB PC **A05**/MF **A01**
Superfund Record of Decision (EPA Region 3): Old City of York Landfill, Springfield Township, York County, PA. (First Remedial Action), September 1991. Final rept.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
30 Sep 91, 92p EPA/ROD/R03-91/128
Available on Standing Order, deposit account required for all RODS is $700 for U.S., Canada, and Mexico; all others $1,400. Deposit required for each region, $200, U.S., Canada, and Mexico; for all others $400. Also available individually in paper copy or microfiche.

The 178-acre Old City of York Landfill site is a municipal waste landfill in Springfield Township, York County, Pennsylvania. From 1961 until its closure in 1975, the City used 56 acres of the site as a landfill for municipal, wastes, however, some industrial waste was also disposed of at the site. In 1978, the property was sold to private owners. After local residents expressed concern over water quality, the State conducted a residential well sampling program from 1981 to 1985. In 1982, the State notified the city and site owners that operation of and existing conditions at the landfill were in violation of the Clean Streams Act and directed the city to conduct a site assessment to evaluate clean-up measures. The Record of Decision (ROD) addresses the long-term threats to soil, ground water, and surface water produced by the landfill and vault sediment. The primary contaminants of concern affecting the soil, sediment, and ground water are VOCs including benzene, PCE, and TCE. The selected remedial action for the site is included.

Keywords: *Superfund, *Remedial action, *Hazardous materials, *Waste disposal, *Pollution control, Earth fills, Soil analysis, Land pollution control, Water pollution control, Surface waters, Ground water, Volatile organic compounds, Pennsylvania, *Record of Decision, First remedial action-Final, Cleanup, York County(Pennsylvania), EPA region 3.

PB92-963929/REB PC **A03**/MF **A01**
Superfund Record of Decision (EPA Region 3): Dixie Caverns County Landfill, Roanoke County, VA. (First Remedial Action), September 1991.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
30 Sep 91, 34p EPA/ROD/R03-91/133
Available on Standing Order, deposit account required for all RODS is $700 for U.S., Canada, and Mexico; all others $1,400. Deposit required for each region, $200, U.S., Canada, and Mexico; for all others $400. Also available individually in paper copy or microfiche.

The 39-acre Dixie Caverns County Landfill is a former municipal landfill in Roanoke County, Virginia. The surrounding land is rural, with the nearest residence located 1/2 mile from the site. Two unnamed headwater streams receive surface runoff from the site, and discharge to the Roanoke River, which is located 2 miles south/southeast. The landfill is currently owned and was operated by the county of Roanoke from 1965 until its closure in 1976. In 1987, the County developed a removal work plan proposing a proprietary stabilization process to treat the flyash, and the plan was approved in 1988 with remediation levels set by EPA. At that time, EPA recommended suspension of further removal activity pertaining to the flyash because of uncertainty as to whether or not the County's plan would meet Federal and State requirements. The Record of Decision (ROD) addresses the flyash at the site as Operable Unit 1 (OU1). Future RODs will address other remedial actions based on RI/FS investigations. The primary contaminants of concern affecting the debris are metals including lead, cadmium, and zinc. The selected remedial action for the interim remedy is included.

Keywords: *Superfund, *Remedial action, *Hazardous materials, *Waste disposal, *Pollution control, Virginia, Metals, Earth fills, Municipal wastes, Fly ash, Runoff, Industrial wastes, *Record of Decision, First remedial action, Roanoke County(Virginia), EPA region 3, Cleanup.

PB92-963930/REB PC **A03**/MF **A01**
Superfund Record of Decision (EPA Region 3): Greenwood Chemical Site, Operable Unit 2, Newtown, VA. (Second Remedial Action), December 1990.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
31 Dec 90, 47p EPA/ROD/R03-91/117
See also PB90-220641.
Available on Standing Order, deposit account required for all RODS is $700 for U.S., Canada, and Mexico; all others $1,400. Deposit required for each region, $200, U.S., Canada, and Mexico; for all others $400. Also available individually in paper copy or microfiche.

The 5-acre Greenwood Chemical site is a former chemical manufacturing facility in Newtown, Albemarle County, Virginia. All residents who reside within three miles of the site are completely dependent on the ground water underlying the site for their drinking water supply. From the 1950s to 1985, either Cockerville Chemical Company or Greenwood Chemical used the site for manufacturing chemicals for industrial, agricultural, pharmaceutical, and photographic purposes. The companies stored, treated and disposed of chemicals onsite. In 1985, operations ceased at the facility following an explosion and fire. EPA investigations that were conducted after the fire identified elevated levels of cyanide, SVOCs, and VOCs in lagoons and ground water. The ROD addresses the contaminated ground water and surface water as operabe unit 2 (OU2) and provides an interim remedy. A future ROD will address additional contamination of onsite soil. The primary contaminants of concern affecting the ground water and surface water are VOCs including benzene, PCE, TCE, and toluence; SVOCs including arsenic. The selected remedial action for the site is included.

Keywords: *Superfund, *Remedial action, *Hazardous materials, *Waste disposal, *Pollution control, Ground water, Surface water, Volatile organic compounds, Metals, Photographic materials, Naphthalene, Arsenic, Virginia, Chemical industry, Drugs, Agricultural chemicals, Industries, *Record of Decision, Second remedial action, Cleanup, EPA region 3, Albemarle County(Virginia).

PB92-963931/REB PC **A04**/MF **A01**
Superfund Record of Decision (EPA Region 3): Modern Sanitation Landfill, Windsor and Lower Windsor Townships, York County, PA. (First Remedial Action), June 1991. Final rept.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
28 Jun 91, 56p EPA/ROD/R03-91/138
Portions of this document are not fully legible.
Available on Standing Order, deposit account required for all RODS is $700 for U.S., Canada, and Mexico; all others $1,400. Deposit required for each region, $200, U.S., Canada, and Mexico; for all others $400. Also available individually in paper copy or microfiche.

The 83-acre Modern Sanitation Landfill site is an active landfill in the Townships of Windsor and Lower Windsor, York County, Pennsylvania. Land use in the area is predominantly agricultural and residential, with nearby woodland areas. The site includes an old, inactive, unlined 66-acre landfill area, which is the subject of the Record of Decision (ROD), and an adjacent active 17-acre double-lined landfill area to the north. Industrial waste disposed of onsite includes inorganic production residues, pesticide waste sludge, PCB wastes, and oil and paint waste. In 1981, the State detected onsite ground water contamination by VOCs on the western site border, and in 1983. The selected remedial action for the site includes completing the low permeability cap and final cover system over the 66-acre unlined landfill; expanding the existing ground water extraction system on both the eastern and western sides of the site; maintaining the onsite wastewater treatment facility that treats extracted ground water with physical/chemical and biological treatment, followed by filtration and air stripping.

Keywords: *Hazardous materials, *Volatile organic compounds, *Pollution control, Industrial wastes, Earth fills, Pesticides, Paint, Oils, Ground water, Soils, Debris, Benzene, Trichloroethylene, Toluene, Xylene, Metals, Capping, Industrial waste treatment, Strippers, Fluid filtration, *Superfund, Polychlorinated biphenyls, Record of Decision, First Remedial Action-Final, *Windsor(Pennsylvania).

PB92-963932/REB PC **A04**/MF **A01**
Superfund Record of Decision (EPA Region 3): McAdoo Associates, (Operable Unit 2), Schuylkill County, PA. (Third Remedial Action), September 1991. Final rept.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
30 Sep 91, 58p EPA/ROD/R03-91/130
See also PB85-232114.
Available on Standing Order, deposit account required for all RODS is $700 for U.S., Canada, and Mexico; all others $1,400. Deposit required for each region, $200, U.S., Canada, and Mexico; for all others $400. Also available individually in paper copy or microfiche.

The 9-acre McAdoo Associates site is an inactive strip and deep mining facility located in Kline Township, Schuylkill County, Pennsylvania. The site consists of two locations: the 8-acre McAdoo-Kline Township (MKT) location, and the 1-acre McAdoo-Blaine Street (MBS) location. The MKT location is situated at the site of an old (subsurface and surface strip) coal mine, and land adjacent to the location is industrial, abandoned, or contains reclaimed mine areas. The MBS location is adjacent to a residential area and a mine spoil reclamation site, and is presently covered with gravel and used for vehicle storage. In 1979, EPA ordered the MKT location to close because of numerous environmental compliance problems. The ROD addresses sediment, ground water, and surface water at the MKT location, and ground water at the MBS location. EPA has determined that no further remedial action other than that already implemented at the site is required to ensure protection of human health and the environment; therefore, there are no contaminants of concern. The selected remedial action for the site is no further action because previous interim remedial activities were adequate to protect human health and the environment.

Keywords: *Superfund, *Remedial action, *Hazardous materials, *Waste disposal, *Pollution control, Mining, Mine wastes, Land reclamation, Sediments, Ground water, Surface water, Environmental protection, Pennsylvania, *Record of Decision, Third remedial action-Final, EPA region 3, Schuylkill County(Pennsylvania), Cleanup.

PB92-963933/REB PC **A05**/MF **A01**
Superfund Record of Decision (EPA Region 3): Eastern Diversified Metals, Schuylkill County, PA. (First Remedial Action), March 1991.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
29 Mar 91, 95p EPA/ROD/R03-91/135
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Available on Standing Order, deposit account required for all RODS is $700 for U.S., Canada, and Mexico; all others $1,400. Deposit required for each region, $200, U.S., Canada, and Mexico; for all others $400. Also available individually in paper copy or microfiche.

The 25-acre Eastern Diversified Metals (EDM) site is a former metals reclamation facility in Rush Township, Schuylkill County, Pennsylvania. Before 1966, the site was owned by an aluminum manufacturing facility. From 1966 to 1977, EDM reclaimed copper and aluminum from metal wire and cable in an onsite processing building. Plastic insulation surrounding the metal wire and cable was mechanically stripped and separated, and the waste insulation was disposed of behind the processing facility. In 1977, EDM terminated opertions, and in 1979 and 1980, residents complained of odors from the site and expressed health concerns. The Record of Decision (ROD) addresses two of three operable units (OUs) at the EDM site. The ROD provides a final remedy for 'hot spot' fluff and soil areas, metal-contaminated sediment and soil, and miscellaneous debris as OU1; and provides an interim remedy for contaminated ground water as OU2. The primary contaminants of concern affecting the soil, sediment, debris, ground water, and surface water are VOCs including TCE; other organics including dioxins and PCBs; and metals including lead. The selected remedial action for the site is included.

Keywords: *Superfund, *Remedial action, *Waste disposal, *Hazardous materials, *Pollution control, Metals, Lead(Metal), Land pollution control, Water pollution control, Ground water, Surface waters, Soil contamination, Sediments, Volatile organic compounds, Dioxins, Polychlorinated biphenyls, Industrial wastes, *Record of Decision, Cleanup, EPA region 3, First Remedial Action, Schuylkill County(Pennsylvania).

PB92-964014/REB PC **A06**/MF **A02**
Superfund Record of Decision (EPA Region 4): Arlington Blending and Packaging, Shelby County, Arlington, TN. (First Remedial Action), June 1991. Final rept.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
28 Jun 91, 113p EPA/ROD/R04-91/099
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Available on Standing Order, deposit account required for all RODS is $700 for U.S., Canada, and Mexico; all others $1,400. Deposit required for each region, $200, U.S., Canada, and Mexico; for all others $400. Also available individually in paper copy or microfiche.

The 2.3-acre Arlington Blending and Packaging site is an abandoned pesticide and herbicide blending and packaging facility in Arlington, Shelby County, Tennessee. Site operations have contaminated two units of the underlying aquifer, which are not used as drinking water sources. Site investigations revealed onsite and offsite contamination of soil and ground water. In 1983, EPA initiated a removal action, and excavated and removed 1,920 cubic yards of contaminated soil with chlordane levels in excess of 50 mg/kg and 112 drums containing chemical wastes. The Record of Decision (ROD) addresses final remediation of primarily pesticide-contaminated soil and ground water. The primary contaminants of concern affecting the soil, debris, and ground water are VOCs including benzene; other organics including pesticides; and metals including arsenic. The selected remedial action for the site is included.

Keywords: *Superfund, *Waste disposal, *Remedial action, *Hazardous materials, *Pollution control, Tennessee, Volatile organic compounds, Pesticides, Metals, Arsenic, Ground water, Soil contamination, Drums(Containers), *Record of Decision, Cleanup operations, EPA region 4, Shelby County(Tennessee).

PB92-964015/REB PC **A09**/MF **A03**
Superfund Record of Decision (EPA Region 4): Maxey Flats Nuclear Disposal Site, Fleming County, KY. (First Remedial Action), September 1991. Final rept.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
30 Sep 91, 198p EPA/ROD/R04-91/097
Available on Standing Order, deposit account required for all RODS is $700 for U.S., Canada, and Mexico; all others $1,400. Deposit required for each region, $200, U.S., Canada, and Mexico; for all others $400. Also available individually in paper copy or microfiche.

The 280-acre Maxey Flats Nuclear Disposal site is an inactive low-level radioactive waste disposal facility in Fleming County, Kentucky. The estimated 663 people who reside within 2.5 miles of the site use the public water supply for drinking purposes. From 1962 to 1977, Nuclear Engineering Company, Inc. (NECO), operated a solid by-product, source, and special nuclear material disposal facility under a license with the State. Several State investigations in the 1970's revealed that leachate contaminated with tritium and other radioactive substances was migrating from the disposal trenches to unrestricted areas. The Record of Decision (ROD) addresses final remediation of soil, debris, and associated leachate. The primary contaminants of concern affecting the soil and debris are VOCs including benzene, TCE, and toluene; metals including arsenic and lead; and radioactive materials. The selected remedial action for the site is included.

Keywords: *Superfund, *Hazardous materials, *Waste disposal, *Remedial action, *Pollution control, *Radioactive waste disposal, Kentucky, Volatile organic compounds, Metals, Water pollution, Soil contamination, Ground water, Leaching, Environmental transport, Waste water, *Record of Decision, Fleming County(Kentucky), EPA region 4, Cleanup operations.

PB92-964016/REB PC **A06**/MF **A02**
Superfund Record of Decision (EPA Region 4): Interstate Lead (ILCO), Jefferson County, Leeds, AL. (First Remedial Action), September 1991.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
30 Sep 91, 109p EPA/ROD/R04-91/090
Available on Standing Order, deposit account required for all RODS is $700 for U.S., Canada, and Mexico; all others $1,400. Deposit required for each region, $200, U.S., Canada, and Mexico; for all others $400. Also available individually in paper copy or microfiche.

The Interstate Lead (ILCO) site consists of seven subsites located in and around the City of Leeds, Jefferson County, Alabama. The site includes an 8.5-acre active lead smelting facility and its parking lot, a service station; a manufacturing company; a church parking lot; a 1.4-acre residential property; a municipal landfill; and a restaurant. Land use in the area is mixed industrial and residential. Parts of the ILCO site overlie the Fort Payne Chert and Ordovician Undifferentiated aquifers, both of which are sources of drinking water for the City of Leeds. State investigations in 1983 and 1984, and a number of subsequent EPA investigations, identified metal contamination in onsite soil, sediment, ground water, surface water, and air. In 1984, EPA conducted an emergency removal action at the church subsite, and removed and disposed of approximately 5,000 cubic yards of waste material and soil offsite. The Record of Decision (ROD) provides a final remedy for soil contamination at all of the subsites except the main facility portion of subsite No. 1, and ground water contamination at four of the subsites as Operable Unit 1. The primary contaminants of concern affecting the soil, sediment, debris, and ground water are metals including arsenic, chromium, and lead. The selected source control remedial action is included.

Keywords: *Superfund, *Remedial action, *Waste disposal, *Hazardous materials, *Pollution control, Alabama, Metals, Lead(Metal), Chromium, Surface waters, Arsenic, Soil contamination, Sediments, Ground water, Water pollution, Air pollution, *Record of Decision, EPA region 4, Cleanup operations, Jefferson County(Alabama).

PB92-964017/REB PC **A06**/MF **A02**
Superfund Record of Decision (EPA Region 4): Carolina Transformer Site, Cumberland County, Fayetteville, NC. (First Remedial Action), August 1991. Final rept.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
29 Aug 91, 106p EPA/ROD/R04-91/095
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Available on Standing Order, deposit account required for all RODS is $700 for U.S., Canada, and Mexico; all others $1,400. Deposit required for each region, $200, U.S., Canada, and Mexico; for all others $400. Also available individually in paper copy or microfiche.

The 4.8-acre Carolina Transformer site is a former electrical transformer rebuilding and repair facility in Fayetteville, Cumberland County, North Carolina. The site may overlie as many as three aquifers, of which only the shallow confined aquifer has been found to be contaminated. From 1978 to 1982, a number of EPA and State investigations identified PCB-contaminated soil and ground water. In 1982, the State determined that runoff from the site violated surface water quality standards for PCBs. In 1984, EPA began clean-up operations at the site, and removed and disposed of 975 tons of contaminated soil offsite in a RCRA-permitted landfill. The Record of Decision (ROD) addresses final remediation of contaminated soil, sediment, debris, and ground water. The primary contaminants of concern affecting the soil, sediment, debris, and ground water are VOCs including benzene and toluene; other organics including dioxin and PCBs; and metals including arsenic, chromium, and lead. The selected remedial action for this site is included.

Keywords: *Superfund, *Remedial action, *Hazardous materials, *Waste disposal, *Pollution control, North Carolina, Water pollution, Ground water, Soil contamination, Sediments, Transformers, Volatile organic compounds, Dioxins, Polychlorinated biphenyls, Metals, *Record of Decision, EPA region 4, Cumberland County(North Carolina), Cleanup operations.

PB92-964018/REB PC **A14**/MF **A03**
Superfund Record of Decision (EPA Region 4): Golden Strip Septic Tank, Greenville County, Simpsonville, SC. (First Remedial Action), September 1991. Final rept.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
12 Sep 91, 309p EPA/ROD/R04-91/084
Available on Standing Order, deposit account required for all RODS is $700 for U.S., Canada, and Mexico; all others $1,400. Deposit required for each region, $200, U.S., Canada, and Mexico; for all others $400. Also available individually in paper copy or microfiche.

The 55-acre Golden Strip Septic Tank (GSST) site is an inactive waste hauling and disposal facility in Simpsonville, Greenville County, South Carolina. Land use in the area is predominantly residential. From 1960 to 1975, GSST used the site to dispose of industrial and septic wastes in five unlined lagoons. In 1975, GSST applied for an industrial solid waste permit to dispose of liquid wastes, but the State denied the permit because the proposed disposal method was unacceptable. The State continued its monitoring after the lagoons were filled and graded in 1978, and the results of the monitoring led to additional investigations by EPA in 1984 and 1986 and an RI and supplemental RI from 1989 to 1990 and 1990 to 1991, respectively. EPA identified metal contamination in lagoon soil and sludge, and limited contamination of ground water on the east side of the site. The Record of Decision (ROD) addresses remediation of contaminated soil, as well as sludge and surface water from the lagoons, as a final remedy. Ground water contamination is expected to naturally attenuate within 2 to 5 years after source remediation occurs. The primary contaminants of concern affecting the soil, sludge, and surface water are VOCs including benzene, PCE, toluene, and xylenes; other organics; and metals including arsenic, chromium, and lead.

Keywords: *Waste disposal, *Pollution control, *Lagoons, Hazardous materials, Soils, Metals, Arsenic, Chromium, Lead(Metals), Volatile organic compounds, Sludge, South Carolina, Surface water, *Superfund, *First Remedial Action-Final, Record of Decision, Simpsonville(South Carolina), Greenville County(South Carolina), Golden Strip Septic Tank.

PB92-964019/REB PC **A03**/MF **A01**
Superfund Record of Decision (EPA Region 4): Sherwood Medical Industries, Volusia County, Deland, FL. (First Remedial Action), March 1991.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
27 Mar 91, 25p EPA/ROD/R04-91/092
Available on Standing Order, deposit account required for all RODS is $700 for U.S. Canada, and Mexico; all others $1,400. Deposit required for each region, $200, U.S., Canada, and Mexico; all others $400. Also available individually in paper copy or microfiche.

The 42-acre Sherwood Medical Industries (SMI) site is an active medical supply manufacturing facility just outside the city limits of Deland, Volusia County, Florida. Land use in the area is commercial and residential. From 1971 to 1980, SMI disposed of approximately 2 tons of liquid and sludge waste into two unlined percolation ponds onsite. At that time, solids were removed from the ponds and placed into onsite, unlined impoundments. From 1980 to 1982, SMI analyzed the contents of the impoundments and disposed of the wastes in an offsite landfill. In 1987, the State requested that SMI perform additional investigations to determine the nature and extent of ground water contamination, and to evaluate the need to implement interim remedial measures. Based on the observed onsite contamination of the Floridan Aquifer, the State required SMI to conduct extensive ground water testing and monitoring, and to provide bottled water to an affected residence. In 1990, the State approved SMI's design work plan, which outlined further interim measures to be conducted at the site including installation of a ground water pump and treat system. The Record of Decision (ROD) addresses an interim remedy for the surficial aquifer to prevent the contaminant plume from spreading offsite and migrating vertically into the Floridan aquifer. The primary contaminants of concern affecting the ground water are VOCs including PCE and TCE. The selected remedial action for the interim remedy includes installing a system of recovery wells in the onsite surficial aquifer; and pumping and treatment of contaminated ground water using air stripping, followed by onsite discharge of the treated water to Lake Miller.

Keywords: *Waste disposal, *Pollution control, Hazardous materials, Ground water, Aquifers, Florida, Water Supply, Volatile organic compounds, *Superfund, *First Remedial Action, Record of Decision, Sherwood Medical Industries, Deland(Florida), Volusia County(Florida).

PB92-964020/REB PC **A04**/MF **A01**
Superfund Record of Decision (EPA Region 4): Velsicol Chemical, (First Operable Unit), Toone, TN. (First Remedial Action), June 1991.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
27 Jun 91, 73p EPA/ROD/R04-91/101
Available on Standing Order, deposit account required for all RODS is $700 for U.S., Canada, and Mexico; all others $1,400. Deposit required for each region, $200, U.S., Canada, and Mexico; for all others $400. Also available individually in paper copy or microfiche.

The 242-acre Velsicol Chemical site is a former plant waste landfill located near the city of Toone, Hardeman County, Tennessee. Part of the site overlies a surficial aquifer that was used as a potable water supply in the area. From 1964 to 1973, Velsicol Chemical Corporation used the site to dispose of industrial and chemical plant wastes. The site was closed in 1973 because of the possibility of contaminated ground water migrating offsite. The Record of Decision (ROD) addresses offsite ground water contamination, as Operable Unit 1 and will prevent additional onsite ground water contamination from migrating from the disposal areas. The primary contaminants of concern affecting the ground water are VOCs including carbon tetrachloride, chloroform, toluene, and xylenes; and other organics including pesticides. The selected remedial action for the site is included.

Keywords: *Superfund, *Remedial action, *Waste disposal, *Hazardous materials, *Pollution control, Chemical industry, Industrial wastes, Ground water, Volatile organic compounds, Pesticides, Water pollution control, *Record of Decision, EPA region 4, Cleanup, First remedial action, Hardemen County(Tennessee).

PB92-964021/REB PC **A04**/MF **A01**
Superfund Record of Decision (EPA Region 4): Ciba-Geigy, Washington County, McIntosh, AL. (Second Remedial Action), September 1991.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
30 Sep 91, 69p EPA/ROD/R04-91/091
See also PB90-186404.
Available on Standing Order, deposit account required for all RODS is $700 for U.S., Canada, and Mexico; all others $1,400. Deposit required for each region, $200, U.S., Canada, and Mexico; for all others $400. Also available individually in paper copy or microfiche.

The 1,500-acre Ciba-Geigy site is an active chemical manufacturer in an industrial area in McIntosh, Washington County, Alabama. From 1952 to present, Ciba-Geigy, formerly Geigy Chemical Corporation, has produced various chemicals including DDT, laundry products, herbicides, insecticides, agricultural chelating agents, sequestering agents, plastic resins and additives, antioxidants, and specialty chemicals. In 1985, EPA issued a RCRA permit that included a corrective action plan requiring Ciba-Geigy to remove and treat ground water and surface water contamination at the site. In 1987, as part of the corrective action plan requirements, Ciba-Geigy installed an additional wastewater treatment system and ground water monitoring wells. The ROD addresses highly contaminated soil and sludge at 10 of the 11 former waste management areas as OU2. The primary contaminants of concern affecting the soil, sludge, and debris are VOCs including benzene and toluene; other organics including PCBs and pesticides (e.g., DDT); and metals including lead. The selected remedial action for the site is included.

Keywords: *Superfund, *Remedial action, *Waste disposal, *Hazardous materials, *Pollution control, Chemical industry, Industrial wastes, Volatile organic compounds, Polychlorinated biphenyls, Pesticides, Metals, Lead(Metal), Soil contamination, Land pollution control, Water pollution control, *Record of Decision, Second Remedial Action, EPA region 4, Washington County(Alabama), Cleanup.

PB92-964022/REB PC **A03**/MF **A01**
Superfund Record of Decision (EPA Region 4): Oak Ridge Reservation (USDOE), (Operable Unit 3), Anderson County, Oak Ridge, TN. (Second Remedial Action), September 1991.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
19 Sep 91, 26p EPA/ROD/R04-91/095
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The Oak Ridge Reservation (ORR) (USDOE) (Operable Unit 3) site is an active nuclear weapons component manufacturing facility located in Oak Ridge, Anderson County, Tennessee. The Y-12 plant, which is addressed as Operable Unit 3, is one of several hundred waste disposal sites or areas of contamination at the ORR site requiring Superfund remedial action. The site occupies the upper reaches of East Fork Poplar Creek (EFPC) in Bear Creek Valley. From 1940 to the present, the Y-12 plant has been used to produce nuclear weapons components. From 1955 to 1963, mercury was used in a column-exchange process to separate lithium isotopes. Testing of the three concrete tanks showed that the tank sediment contained mercury, and that contaminated waste is still being discharged into two of the three tanks. The Record of Decision (ROD) focuses on the contaminated sediment in the sedimentation tanks as an interim action. The primary contaminants of concern affecting the sediment are mercury, a metal and radioactive materials. The selected interim remedial action for the site is included.

Keywords: *Superfund, *Remedial action, *Hazardous materials, *Waste disposal, *Pollution control, *Radioactive wastes, Sediments, Y-12 plant, Metals, Mercury(Metal), Tanks, *Record of Decision, Second remedial action, Anderson County(Tennessee), Cleanup, EPA region 4.

PB92-964023/REB PC **A07**/MF **A02**
Superfund Record of Decision (EPA Region 4): Charles Macon Lagoon and Drum Storage, Richmond County, Cordova, NC. (First Remedial Action), September 1991. Final rept.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
30 Sep 91, 143p EPA/ROD/R04-91/094
Portions of this document are not fully legible.
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The 17-acre Charles Macon Lagoon & Drum Storage site is a former oil recycling and antifreeze manufacturing facility in Richmond County, North Carolina. The site overlies an unconfined aquifer, and surface runoff discharges to Pee Dee River, which runs 1 mile west of the site. From 1979 to 1982, unpermitted waste oil recycling was conducted at the facility using a large boiler to separate the waste oil from other wastes. Site features resulting from these activities include drum storage areas, 12 unlined or partially lined oil/water waste storage lagoons, buildings, 2 truck tankers, and 14 tanks. In a 1981 EPA RCRA compliance inspection of the Macon site, 10 violations of RCRA regulations were cited. Recent investigations, however, revealed that site soil and ground water still pose a threat, particularly downgradient of source areas such as lagoon areas. The Record of Decision (ROD) addresses soil, vessels containing hazardous materials, and ground water, which is the principal threat at the site, and is a final remedy. The primary contaminants of concern affecting the soil, sludge, debris, and ground water are VOCs including PCE, TCE, toluene, and xylenes; other organics including PAHs; and metals including arsenic and chromium. The selected remedial action for the site is included.

Keywords: *Superfund, *Remedial action, *Hazardous materials, *Waste disposal, *Pollution control, *Waste storage, Soil contamination, Sludges, Ground water, Water pollution control, Land pollution control, Oil pollution, Volatile organic compounds, Aromatic polycyclic hydrocarbons, Metals, Waste recycling, Antifreezes, Lagoons(Ponds), *Record of Decision, Richmond County(North Carolina), EPA region 4, Cleanup, First remedial action.

PB92-964123/REB PC **A06**/MF **A02**
Superfund Record of Decision (EPA Region 5): Buckeye Reclamation Landfill Site, Belmont County, OH. (First Remedial Action), August 1991. Final rept.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
19 Aug 91, 119p EPA/ROD/R05-91/167
Available on Standing Order, deposit account required for all RODS is $700 for U.S., Canada, and Mexico; all others $1,400. Deposit required for each region, $200, U.S., Canada, and Mexico; for all others $400. Also available individually in paper copy or microfiche.

The 658-acre Buckeye Reclamation site contains a 50-acre former landfill in Richland Township, Belmont County, Ohio. Land use in the area is predominantly agricultural, rural residential, and strip mining. A total of 46 domestic wells and springs are located within 1 mile of the site. The original topography of the valley has been altered by coal mining and landfill operations. Solid industrial wastes also were disposed of with municipal wastes elsewhere in the landfill. In 1980, the Waste Pit was filled with sludge, mine spoil, and overburden soil; covered with soil and garbage; and seeded. Results of the RI indicate various levels of contamination in all media sampled, except air. The Record of Decision (ROD) addresses the remediation of contaminated leachate and ground water and eliminates exposure to contaminated surface soil. The primary contaminants of concern affecting the soil and ground water are VOCs including benzene, TCE, and toluene; other organics including PAHs; and metals including arsenic, chromium, beryllium, and lead. The selected remedial action for the site is included.

Keywords: *Hazardous materials, *Waste disposal, *Pollution control, Aromatic polycyclic hydrocarbons, Waste treatment, Volatile organic compounds, Site surveys, Land pollution, Soils, Ground water, Capping, Municipal wastes, Industrial wastes, Water pollution, Ground water, Metals, Earth fills, Mine wastes, *Record of Decision, *Superfund, *First remedial action-Final, Cleanup, *Belmont County(Ohio), EPA region 5.

PB92-964124/REB PC **A05**/MF **A01**
Superfund Record of Decision (EPA Region 5): Lemberger Transport and Recycling, Manitowoc County, WI. (First Remedial Action), September 1991.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
23 Sep 91, 80p EPA/ROD/R05-91/187
Available on Standing Order, deposit account required for all RODS is $700 for U.S., Canada, and Mexico; all others $1,400. Deposit required for each region, $200, U.S., Canada, and Mexico; for all others $400. Also available individually in paper copy or microfiche.

The 45-acre Lemberger Transport and Recycling (LTR) site is a former land disposal facility in Manitowoc County, Wisconsin. The site is located within one-quarter mile of the 45-acre Lemberger Landfill (LL) site. Ground water as well as the Branch River, located less than 1 mile west of both sites, are used as sources of drinking water. Reports of contaminated material seeping onto local properties prompted State investigations that revealed VOCs in residential wells in excess of State standards. Because of the similarity of contamination and proximity of the sites, the LTR and LL sites will be addressed concurrently. The Record of Decision (RoD) provides a final remedy for ground water contamination at both the LTR and LL sites, as the first Operable Unit (OUI). The primary contaminants of concern affecting the ground water are VOCs including PCE, TCE, toluene, and xylenes; other organics including PCBs and pesticides; and metals including arsenic, chromium, and lead. The selected remedial action for both sites are included.

Keywords: *Superfund, *Hazardous materials, *Remedial action, *Pollution control, Metals, Ground water, Industrial waste, *Record of Decision, First remedial action, EPA region 5, Cleanup operations, Manitowoc County(Wisconsin).

PB92-964125/REB PC **A05**/MF **A02**
Superfund Record of Decision (EPA Region 5): U.S. DOI Sangamo/Crab Orchard National Wildlife Refuge, Carterville, IL. (First Remedial Action), March 1990.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
30 Mar 90, 97p EPA/ROD/R05-90/163
See also PB91-921509.
Available on Standing Order, deposit account required for all RODS is $700 for U.S., Canada, and Mexico; all others $1,400. Deposit required for each region, $200, U.S., Canada, and Mexico; for all others $400. Also available individually in paper copy or microfiche.

The U.S. DOI Sangamo/Crab Orchard NWR site is within the Crab Orchard National Wildlife Refuge, located near Carterville, Illinois. Within the 43,000-acre refuge, lakes and adjacent wetlands support recreational activities on the western portion of the refuge, while the eastern portion is used for manufacturing facilities. DOI leased portions of the refuge to manufacturers of PCB-containing transformers and capacitors, automobile parts, fiberglass boats, plated metal parts, and jet engine starters. Solid wastes generated from these industrial activities were disposed of in onsite landfills, while other liquid wastes may have been discharged into nearby surface waters and impoundments. The primary contaminants of concern affecting the soil, sediment, debris, and sludge are metals including cadmium, chromium, and lead. The selected remedial action for the site is included.

Keywords: *Superfund, *Remedial action, *Hazardous material, *Waste disposal, *Pollution control, Soil contamination, Sediments, Sludge disposal, Metals, Polychlorinated biphenyls, Illinois, Industrial wastes, *Record of Decision, EPA region 5, Cleanup operations, Crab Orchard National Wildlife Refuge, Carterville(Illinois).

PB92-964126/REB PC **A08**/MF **A02**
Superfund Record of Decision (EPA Region 5): Carter Industrials Site, Detroit, MI. (First Remedial Action), September 1991.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
18 Sep 91, 153p EPA/ROD/R05-91/169
Portions of this document are not fully legible.
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The 3.5-acre Carter Industrials site is a former scrap metal storage and salvage operation in Detroit, Michigan. From 1966 until 1986, the site was used as a scrap metal salvage and storage facility, changing ownership several times during the period. Items accepted for salvage included electrical capacitors and transformers. In 1986, the State identified elevated levels of PCBs in onsite soil, which was later confirmed by EPA investigations. The Record of Decision (ROD) addresses remediation of remaining onsite and offsite source material. A subsequent ROD will address the need for remediation of contaminated sewer lines running from the site. The primary contaminants of concern affecting the soil and debris are organics including PCBs; and metals including arsenic, cadmium, and lead. The selected remedial action for the site is included.

Keywords: *Superfund, *Hazardous materials, *Remedial action, *Waste disposal, *Pollution control, Michigan, Industrial wastes, Polychlorinated biphenyls, Metals, Soil contamination, Metal scraps, Transformers, *Record of Decision, Detroit(Michigan), EPA region 5, Cleanup operations.

PB92-964127/REB PC **A03**/MF **A01**
Superfund Record of Decision (EPA Region 5): Ossineke Groundwater Contamination Site, Alpena County, Ossineke, MI. (First Remedial Action), June 1991. Final rept.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
28 Jun 91, 38p EPA/ROD/R05-91/185
Portions of this document are not fully legible.
Available on Standing Order, deposit account required for all RODS is $700 for U.S., Canada, and Mexico; all others $1,400. Deposit required for each region, $200, U.S., Canada, and Mexico; for all others $400. Also available individually in paper copy or microfiche.

The Ossineke Ground Water Contamination site is an area overlying a contaminated aquifer in Ossineke, Alpena County, Michigan. The site hydrogeology is characterized by an upper aquifer and lower confined aquifer, both of which supply drinking water to local residents. Historically there have been two contaminant source areas of concern within Ossineke. Area 1 is in the center of the Town of Ossineke where two gas stations are located, consisting of underground storage tanks, and a former automobile rustproofing shop. Area 2 is a laundry and dry cleaning facility that has an associated wash water pond containing chlorinated hydrocarbons and VOCs. The State advised all users of the upper aquifer to stop using their wells. In 1982, the State discovered that a snow plow had hit a gasoline pump causing an unknown amount of gasoline to spill and, subsequently, contaminate the basements of several businesses. In 1986, the State replaced residential wells affected by ground water contamination. Because the contaminants of concern have been confirmed to be related to petroleum releases from underground storage tanks, the Superfund program does not have the authority to address cleanup under CERLCLA. The selected remedial action for the site is that no further action.

Keywords: *Superfund, *Hazardous materials, *Waste disposal, *Remedial action, *Pollution control, Michigan, Water pollution control, Hydrogeology, Ground water, Volatile organic compounds, Underground storage, Storage tanks, Gas stations, Rust prevention, Automotive industry, Dry cleaning, *Record of Decision, Ossineke(Michigan), EPA region 5, Cleanup operations.

PB92-964128/REB PC **A04**/MF **A01**
Superfund Record of Decision (EPA Region 5): Stoughton City Landfill Site, Stoughton, WI. (First Remedial Action), September 1991. Final rept.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
30 Sep 91, 67p EPA/ROD/R05-91/181
Available on Standing Order, deposit account required for all RODS is $700 for U.S., Canada, and Mexico; all others $1,400. Deposit required for each region, $200, U.S., Canada, and Mexico; for all others $400. Also available individually in paper copy or microfiche.

The 27-acre Stoughton City Landfill site is a former waste disposal facility in Stoughton, Dane County, Wisconsin. The site was an uncontrolled dump site from 1952 to 1969, and later from 1969 to 1977 operated as a State-licensed landfill covering approximately 15 acres. As a result of improper disposal activities, a number of investigations were conducted by the State and EPA that revealed ground water contamination resulting from leachate discharge and surface water runoff from the landfill. The Record of Decision (ROD) addresses soil and ground water contaminated by leaching landfilled waste. The primary contaminants of concern affecting the soil, debris, and ground water are VOCs including benzene, tetrahydrofurans (THF), toluene, and xylenes; other organics including PAHs; and metals including arsenic, chromium, and lead. The selected remedial action for the site is included.

Keywords: *Superfund, *Remedial action, *Waste disposal, *Hazardous materials, *Pollution control, Earth fills, Soil contamination, Ground water, Volatile organic compounds, Aromatic polycyclic hydrocarbons, Metals, Leaching, Environmental transport, Water pollution, Wisconsin, *Record of Decision, EPA region 5, Stoughton(Wisconsin), Cleanup operations.

PB92-964129/REB PC **A04**/MF **A01**
Superfund Record of Decision (EPA Region 5): National Presto Industries, Eau Claire, WI. (Second Remedial Action), September 1991.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
30 Sep 91, 57p EPA/ROD/R05-91/180
See also PB91-921457.
Available on Standing Order, deposit account required for all RODS is $700 for U.S., Canada, and Mexico; all others $1,400. Deposit required for each region, $200, U.S., Canada, and Mexico; for all others $400. Also available individually in paper copy or microfiche.

The 325-acre National Presto Industries site is a former munitions and metal-working facility in Eau Claire, Chippewa County, Wisconsin, adjacent to the town of Hallie. The site overlies a buried pre-glacial valley that serves as a primary source of drinking water. Initially NPI manufactured cookware and consumer products, and generated waste streams consisting of metals, oils, grease, and spent solvents during operations. Also, beginning in 1951, artillery shell fuses and aircraft parts were produced by NPI

under military contracts. Metal projectiles production began in 1954 under separate contracts.

Keywords: *Superfund, *Remedial action, *Hazardous materials, *Waste disposal, *Pollution control, Ground water, Water pollution, Volatile organic compounds, Metal working, Munitions industry, Wisconsin, *Record of Decision, Cleanup operations, Chippewa County(Wisconsin), EPA region 5.

PB92-964130/REB PC **A05**/MF **A01**
Superfund Record of Decision (EPA Region 5): South Macomb Disposal No. 9 and 9A, Macomb County, MI. (First Remedial Action), August 1991.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
13 Aug 91, 79p EPA/ROD/R05-91/166
Available on Standing Order, deposit account required for all RODS is $700 for U.S., Canada, and Mexico; all others $1,400. Deposit required for each region, $200, U.S., Canada, and Mexico; for all others $400. Also available individually in paper copy or microfiche.

The 159-acre South Macomb Disposal No. 9, 9A site contains two inactive municipal landfills in Macomb Township, Macomb County, Michigan. Until 1989, the estimated 34 residents in the immediate vicinity of the site used shallow and intermediate aquifers associated with contamination from landfills as their drinking water supply. From 1968 to 1975, South Macomb Disposal Authority (SMDA), a municipal corporation, used the site to facilitate the management and disposal of municipal refuse for five towns in Macomb County. As a result of reported fish kills and continued reports of leachate seepage into McBride Drain, a number of State investigations between 1976 and 1982 verified that the site was the source of the leachate problem and prompted SMDA to upgrade and expand leachate collection systems along various portions of area 9A. The Record of Decision (ROD) addresses onsite contaminated ground water as Operable Unit 1 (OU1). A future ROD will address the landfill contents as OU2. The primary contaminants of concern affecting the ground water are VOCs including benzene and toluene; other organics including phenols; and metals including arsenic and chromium. The selected remedial action for the site is included.

Keywords: *Superfund, *Hazardous materials, *Waste disposal, *Remedial action, *Pollution control, Michigan, Ground water, Water pollution effects, Volatile organic compounds, Phenols, Metals, Municipal wastes, Earth fills, Environmental transport, Leaching, *Record of Decision, EPA region 5, Macomb County(Michigan), Cleanup operations.

PB92-964131/REB PC **A06**/MF **A02**
Superfund Record of Decision (EPA Region 5): Fultz Landfill, Byesville, OH. (First Remedial Action), September 1991. Final rept.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
30 Sep 91, 108p EPA/ROD/R05-91/183
Portions of this document are not fully legible.
Available on Standing Order, deposit account required for all RODS is $700 for U.S., Canada, and Mexico; all others $1,400. Deposit required for each region, $200, U.S., Canada, and Mexico; for all others $400. Also available individually in paper copy or microfiche.

The 30-acre Fultz Landfill site is a privately owned inactive sanitary landfill on the north slope of a ridge that overlies abandoned coal mines in Jackson Township, Guernsey County, Ohio. The site lies within the drainage basin of Wills Creek, which flows north adjacent to the site and is used by the city of Cambridge as the municipal water supply. The northern half of the landfill lies in an unreclaimed strip mine where surface mine spoil and natural soil form a shallow aquifer. During the 1970's, the landfill operator was cited for various violations. Investigations in 1988 by EPA indicated that ground water and leachate contaminants emanating from the site have contaminated the shallow aquifer and, to a lesser extent, the deep mine aquifer. The Record of Decision (ROD) addresses all contaminated media, and provides a final remedy for the site. The primary contaminants of concern affecting the soil, sediment, debris, ground water, and surface water are VOCs including benzene, PCE, TCE, toluene, and xylenes; other organics including PAHs and phenols; metals including arsenic, chromium, and lead; and other inorganics. The selected remedial action for this site is included.

Keywords: *Superfund, *Hazardous materials, *Waste disposal, *Remedial action, *Pollution control, Sanitary landfills, Ohio, Soil contamination, Sediments, Mine spoils, Water pollution, Surface waters, Ground water, Volatile organic compounds, Aromatic polycyclic hydrocarbons, Phenols, Metals, Inorganic compounds, *Record of Decision, Guernsey County(Ohio), EPA region 5, Cleanup operations.

PB92-964132/REB PC **A04**/MF **A01**
Superfund Record of Decision (EPA Region 5): Berlin and Farro Site, Swartz Creek, MI. (First Remedial Action), September 1991. Final rept.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
30 Sep 91, 71p EPA/ROD/R05-91/182
Portions of this document are not fully legible.
Available on Standing Order, deposit account required for all RODS is $700 for U.S., Canada, and Mexico; all others $1,400. Deposit required for each region, $200, U.S., Canada, and Mexico; for all others $400. Also available individually in paper copy or microfiche.

The 40-acre Berlin and Farro site is a former liquid incineration and landfill facility in Gaines Township, Genessee County, Michigan. The site overlies two aquifers, which provide well water to the approximately 80 permanent homes located within a 1/2 mile radius of the site. From 1971 to 1975, Berlin and Farro Liquid Incineration, Inc., used the site to accept and store industrial wastes prior to incineration, and disposed of crushed drums in a 1.1-acre onsite landfill. In 1975, Berlin and Farro's permits were revoked; however, illegal dumping of industrial waste into the lagoons apparently continued after the site was closed. Several separate clean-up actions were undertaken by the PRPs, the State, and EPA during the early to mid-1980's. The Record of Decision (ROD) addresses the final remedy for contaminated soil, sediment, and ground water at the Berlin and Farro site. The primary contaminants of concern affecting the soil, sediment, and ground water are VOCs including benzene, PCE, TCE, toluene, and xylenes; and metals including arsenic, chromium, and lead. The selected remedial action for this site is included.

Keywords: *Superfund, *Remedial action, *Hazardous materials, *Waste disposal, *Pollution control, Michigan, Incineration, Earth fills, Soil contamination, Ground water, Water pollution, Volatile organic compounds, Metals, Sediments, Industrial wastes, *Record of Decision, EPA region 5, Genessee County(Michigan), Cleanup operations.

PB92-964133/REB PC **A05**/MF **A01**
Superfund Record of Decision (EPA Region 5): Lemberger Landfill Site, Manitowoc County, WI. (First Remedial Action), September 1991. Final rept.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
23 Sep 91, 80p EPA/ROD/R05-91/186
See also PB92-964124.
Available on Standing Order, deposit account required for all RODS is $700 for U.S., Canada, and Mexico; all others $1,400. Deposit required for each region, $200, U.S., Canada, and Mexico; for all others $400. Also available individually in paper copy or microfiche.

The 45-acre Lemberger Landfill (LL) site is a former land disposal facility in Manitowoc County, Wisconsin. The site is located within one-quarter mile of another Superfund site, the 45-acre Lemberger Transport and Recycling (LTR) site. Ground water as well as the Branch River, located less than 1 mile west of both sites, are used as sources of drinking water. As a result of reports of contaminated material seeping onto local properties, a number of State investigations were conducted that identified VOCs levels above State standards in residential wells. Because of the proximity of the sites and similarity in the types of wastes, the LL and LTR sites will be remediated concurrently. The Record of Decision (ROD) provides a final remedy for source contamination at the LL site and ground water contamination at both the LL and LTR sites, as the first operable unit (OU1). The primary contaminants of concern affecting the soil, sediment, debris, and ground water are VOCs including PCE, TCE, toluene, and xylenes; other organics including PCBs and pesticides; and metals including arsenic, chromium, and lead. The selected remedial action for both sites are included.

Keywords: *Superfund, *Hazardous materials, *Waste disposal, *Remedial action, *Pollution control, Wisconsin, Earth fills, Soil contamination, Sediments, Environmental transport, Ground disposal, Ground water, Water pollution, Volatile organic compounds, Polychlorinated biphenyls, Pesticides, Metals, *Record of Decision, Manitowoc County(Wisconsin), EPA region 5, Cleanup operations.

PB92-964134/REB PC **A06**/MF **A02**
Superfund Record of Decision (EPA Region 5): Michigan Disposal Service (Cork Street) Landfill, Kalamazoo, MI. (First Remedial Action), September 1991. Final rept.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
30 Sep 91, 110p EPA/ROD/R05-91/171
Available on Standing Order, deposit account required for all RODS is $700 for U.S., Canada, and Mexico; all others $1,400. Deposit required for each region, $200, U.S., Canada, and Mexico; for all others $400. Also available individually in paper copy or microfiche.

The 68-acre Michigan Disposal Service Landfill site is an inactive municipal landfill in Kalamazoo, Kalamazoo County, Michigan. From 1925 to 1961, the site was owned and operated by private parties as a municipal landfill. Forty-seven acres of the total site was used as a landfill. In 1961, the city of Kalamazoo purchased the property and began accepting wastes from residences, businesses, and local industries. During the mid-1980's, the State conducted investigations as part of a landfill extension request. These onsite studies documented that wastes leaching from the landfill. The Record of Decision (ROD) addresses onsite contaminated soil, sediment, ground water, and surface water, as a final remedy. The primary contaminants of concern affecting the soil, sediment, debris, ground water, and surface water are VOCs including benzene; other organics including PCBs; and metals including arsenic, chromium, and lead. The selected remedial action for this site is included.

Keywords: *Superfund, *Remedial action, *Hazardous materials, *Waste disposal, *Pollution control, Earth fills, Municipal wastes, Michigan, Surface waters, Soil contamination, Ground water, Sediments, Volatile organic compounds, Polychlorinated biphenyls, Metals, *Record of Decision, EPA region 5, Cleanup operations, Kalamazoo County(Michigan).

PB92-964135/REB PC **A05**/MF **A01**
Superfund Record of Decision (EPA Region 5): Thermo Chem Site, (Operable Unit 1), Muskegon County, MI. (First Remedial Action), September 1991.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
30 Sep 91, 94p EPA/ROD/R05-91/174
Available on Standing Order, deposit account required for all RODS is $700 for U.S., Canada, and Mexico; all others $1,400. Deposit required for each region, $200, U.S., Canada, and Mexico; for all others $400. Also available individually in paper copy or microfiche.

The 9.5-acre Thermo Chem site is comprised of an inactive solvent and chemical waste reprocessing, refining, and incineration facility, and an inactive waste hauling facility in Egelston Township, Muskegon County, Michigan. The site is adjacent to two other Superfund sites: the SCA Independent Landfill site, and the Bofors Nobel site. The Thomas Solvent Company, which lies adjacent to, and is owned by Thermo Chem, has been included as part of the site because it is suspected to be a source of ground water contamination. The Thomas Solvent Company was operated as a hazardous waste hauling facility for Thermo Chem and collected waste for recycling and returned the material to customers. In response to investigation activities during 1988 and 1991, EPA conducted an emergency removal of drums and materials containing hazardous waste. The Record of Decision (ROD) addresses the source of contamination by remediation of soil, sludge, debris, and ground water up to the point where ground water discharges into Black Creek as Operable Unit 1 (OU1). A future ROD will address OU2, the contamination problems within Black Creek and ground water contamination south of Black Creek. The primary contaminants of concern affecting the soil, sludge, and ground water are VOCs including benzene, toluene, and xylenes; other organics including PAHs, PCBs, and pesticides; metals including arsenic, chromium, and lead; and other inorganics. The selected remedial action for this site is included.

Keywords: *Superfund, *Hazardous materials, *Remedial action, *Waste disposal, *Pollution control, Michigan, Soil contamination, Sludge disposal, Ground water, Water pollution, Volatile organic compounds, Aromatic polycyclic hydrocarbons, Pesticides, Metals, Inorganic compounds, Chemical industry, *Record of Decision, Muskegon County(Michigan), EPA region 5, Cleanup operations.

PB92-964136/REB PC **A08**/MF **A02**
Superfund Record of Decision (EPA Region 5): Sturgis Municipal Wells, Sturgis, MI. (First Remedial Action), September 1991. Final rept.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
30 Sep 91, 170p EPA/ROD/R05-91/175
Avaialble on Standing Order, deposit account required for all RODS is $700 for U.S., Canada, and Mexico; all others $1,400. Deposit required for each region, $200, U.S., Canada, and Mexico; for all others $400. Also available individually in paper copy or microfiche.

The 5-square-mile Sturgis Municipal Wells site is an active municipal well field in Sturgis, St. Joseph County, Michigan. Land use in the area is predominantly mixed industrial and residential, with several wetlands areas located near the site. The site includes the former Wade Electric facility, which closed in 1966 and burned down in 1974, and the Kirsch Company, which operated as a manufacturing facility until 1980. These two properties have been identified as two source areas responsible for the ground water contamination in the aquifer used for the municipal water supply. State investigations starting in 1982 identified contaminated soil and VOC-contaminated ground water onsite and extensive ground water contamination in various wells throughout the city. The Record of Decision (ROD) addresses final remediation of soil and ground water. The primary contaminants of concern affectingthe soil and ground water are VOCs including benzene, PCE, and TCE; and other organics including PAHs.

Keywords: *Waste disposal, *Pollution control, Hazardous materials, Soils, Ground water, Michigan, Volatile organic compounds, Aromatic polycyclic hydrocarbons, *Superfund, *First Remedial Action-Final, Record of Decision, St. Joseph County(Michigan), Sturgis Municipal Wells.

PB92-964137/REB PC **A03**/MF **A01**
Superfund Record of Decision (EPA Region 5): Dakhue Sanitary Landfill, Hampton Township, Dakota County, MN. (First Remedial Action), June 1991.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
28 Jun 91, 48p EPA/ROD/R05-91/189
Available on Standing Order, deposit account required for all RODS is $700 for U.S., Canada, and Mexico; all others $1,400. Deposit required for each region, $200, U.S., Canada, and Mexico; for all others $400. Also available individually in paper copy or microfiche.

The 80-acre Dakhue Sanitary Landfill site is an inactive sanitary waste municipal landfill located in Hampton Township, Dakota County, Minnesota. Land use in the area is agricultural and residential. the landfill overlies a sand and gravel surficial aquifer that is not a drinking water source and that extends downgradient of the site. From 1971 to 1988, Dakhue Sanitary Landfill, Inc., owned and operated the landfill and accepted mixed municipal and commercial wastes, and small amounts of industrial waste. State investigations conducted between 1983 and 1989 identified a variety of contaminants onsite. Investigations during the RI/FS identified VOCs, organics, and inorganics in the surficial onsite aquifer, and it has been determined that the possible source of contamination is related to the municipal, industrial, and commercial waste disposed onsite in the landfill. The ROD addresses the source of the contamination as OU1. A future ROD will address ground water contamination and possible remediation of the downgradient plume, as OU2. The primary contaminants of concern affecting the soil and debris are organics including phenols; and metals including arsenic, chromium, and lead.

Keywords: *Waste disposal, *Pollution control, *Sanitary landfills, Hazardous materials, Soils, Debris, Metals, Phenols, Arsenic, Chromium, Lead(Metal), Minnesota, *Superfund, *First Remedial Action, Record of Decision, Hampton Township(Minnesota), Dakota County(Minnesota), Dakhue Sanitary Landfill.

PB92-964138/REB PC **A04**/MF **A01**
Superfund Record of Decision (EPA Region 5): Chem-Central Site, Wyoming, MI. (First Remedial Action), September 1991. Final rept.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
30 Sep 91, 72p EPA/ROD/R05-91/179
Available on Standing Order, deposit account required for all RODS is $700 for U.S., Canada, and Mexico; all others $1,400. Deposit required for each region, $200, U.S., Canada, and Mexico; for all others $400. Also available individually in paper copy or microfiche.

The 2-acre Chem-Central site is a bulk chemical storage facility in Wyoming, Kent County, Michigan. Land use in the area is a mixture of residential and commercial. An estimated 10,000 people live within 1 mile of the site and receive their water supply via the municipal distribution system. Two creeks, Cole Drain and Plaster Creek, lie in proximity to the site. Between 1957 and 1962, hazardous substances entered the ground as a result of faulty construction of a .T-arm pipe used to transfer liquid products from bulk storage tanks to small delivery trucks. Additional hazardous substances may have entered the ground through accidental spills. In 1977, a routine State biological survey of Plaster Creek identified a contaminated ditch containing oils with organic compounds including PCBs and metals that was discharging into Cole Drain. Between 1978 and 1986, the State and EPA focused their efforts on finding and eliminating the source of the ditch contamination through extensive investigations of area soil, ground water, and surface water. Results indicated that ground water and soil surrounding and north of the Chem-Central plant were contaminated with volatile and semi-volatile organic compounds. The Record of Decision (ROD) addresses a remedy for contaminated onsite soil, contaminated offsite soil surrounding and north of the plant, and then addresses a remedy for contaminated onsite soil, contaminated offsite soil surrounding and north of the plant, and the ground water contamination plume emanating from the plant and spreading 1,800 feet northward. The primary contaminants of concern affecting the soil and ground water are VOCs including PCE, TCE, and toluene; and other organics including PAHs and PCBs. The selected remedial action for this site includes installing an in-situ vapor extraction system for onsite soil and two offsite soil areas north of the property, using a network of horizontal piping, collecting contaminated vapors in the soil source area at the vacuum pump, and treating these vapors using a vapor phase carbon adsorption system before discharge to the atmosphere.

Keywords: *Waste disposal, *Pollution control, Hazardous materials, Soils, Groundwater, Volatile organic compounds, Polychlorinated biphenyls, Aromatic polycyclic hydrocarbons, Michigan, *Superfund, *First Remedial Action-Final, Record of Decision, Chem-Central, Kent County(Michigan), Wyoming(Michigan).

PB92-964139/REB PC **A03**/MF **A01**
Superfund Record of Decision (EPA Region 5): Better Brite Plating Chrome and Zinc, De Pere, WI. (First Remedial Action), June 1991.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
28 Jun 91, 26p EPA/ROD/R05-91/184
Available on Standing Order, deposit account required for all RODS is $700 for U.S., Canada, and Mexico; all others $1,400. Deposit required for each region, $200, U.S., Canada, and Mexico; for all others $400. Also available individually in paper copy or microfiche.

The 2-acre Better Brite Plating Chrome and Zinc site is composed of two plating facilities in De Pere, Brown County, Wisconsin. The site includes the 1.5-acre Chrome Shop and the 0.5-acre Zinc Shop. Land use in the area is predominantly residential and commercial, with a wetlands located approximately one-quarter mile from the site. The estimated 15,000 area residents use the municipal wells drawing from the deep aquifer as a drinking water supply. The Zinc Shop has a long history of improper operational procedures and spills into the surrounding soil. The selected remedial action for this interim remedy includes continuing and expanding the current operation of the ground water extraction system and pretreatment facility, which will include pretreatment of the additional water collected by the surface water and ground water collection systems, and the Chrome and Zinc shops, with discharge to the De Pere wastewater system.

Keywords: *Hazardous materials, *Volatile organic compounds, *Pollution control, Ground water, Surface waters, Metals, Chromium, Cyanide, Lead(Metal), Extraction, Waste treatment, Drainage, Runoff, Monitoring, Observation wells, Fences, Berns, Construction, *Superfund, Record of Decision, First Remedial Action, De Pere(Wisconsin), Pretreatment(Water).

PB92-964140/REB PC **A04**/MF **A01**
Superfund Record of Decision (EPA Region 5): Kentwood Landfill, Kentwood, MI. (First Remedial Action), March 1991. Final rept.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
29 Mar 91, 73p EPA/ROD/R05-91/155
Available on Standing Order, deposit account required for all RODS is $700 for U.S., Canada, and Mexico; all others $1,400. Deposit required for each region, $200, U.S., Canada, and Mexico; for all others $400. Also available individually in paper copy or microfiche.

The 72-acre Kentwood Landfill site is an inactive municipal landfill in Kentwood, Kent County, Michigan. Land use in the area is primarily residential and recreational. Twenty-two residences to the south and east of the site use ground water as their drinking water supply. The primary contaminants of concern affecting the debris, ground water, and leachate are VOCs including benzene, PCE, and TCE; other organics; and metals including arsenic, chromium, and lead. The selected remedial action for the site includes improving the landfill cap to include gas controls and a leachate collection system; pumping and pretreating ground water onsite along with collected leachate, as needed, before discharging to a POTW; monitoring sediment, ground water, surface water, and air.

Keywords: *Hazardous materials, *Volatile organic compounds, *Pollution control, Drinking water, Water supply, Earth fills, Benzene, Metals, Lead(Metal), Arsenic, Chromium, Pumping, Capping, Gases, Leaching, Ground water, Right of way access, Fences, Water treatment, *Superfund, Record of Decision, First Remedial Action-Final, *Kentwood(Michigan), Trichloroethylene.

PB92-964141/REB PC **A03**/MF **A01**
Superfund Record of Decision (EPA Region 5): Southeast Rockford Groundwater Contamination, Rockford, IL. (First Remedial Action), June 1991.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
14 Jun 91, 50p EPA/ROD/R05-91/190
Available on Standing Order, deposit account required for all RODS is $700 for U.S., Canada and Mexico; all others $1,400. Deposit required for each region, $200, U.S., Canada, and Mexico; for all others $400. Also available individually in paper copy or microfiche.

The two to three square mile Southeast Rockford Groundwater Contamination site is a residential area with contaminated private wells in Winnebago County, Rockford, Illinois. The site is in a predominantly urban residential area that includes retail and commercial operations. Surrounding land use is industrial. During sampling from 1981 to 1984, the City of Rockford identified elevated VOC levels in ground water. The Record of Decision (ROD) addresses the elimination of risk to residents of the southeast Rockford area due to contaminated ground water. The selected remedial action for this interim remedy includes providing an alternate water supply by constructing and extending water mains, and installing connections and service to the city distribution system for affected residents; reactivating Municipal Well number 35 after constructing a granular activated carbon water treatment f acility at the well; and abandoning contaminated private wells.

Keywords: *Hazardous materials, *Volatile organic compounds, *Pollution control, Ground water, Water wells, Land use, Municipalities, Water supply, Activated carbon treatment, Fluid filtration, Installing, Water pipelines, Cost analysis, *Superfund, Record of Decision, First Remedial Action, *Rockford(Illinois), Trichloroethylene.

PB92-964304/REB PC **A03**/MF **A01**
Superfund Record of Decision (EPA Region 7): Hastings Ground Water Contamination (Operable Unit 1), Hastings, NE. (Second Remedial Action), September 1991.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
30 Sep 91, 43p EPA/ROD/R07-91/048
See also PB89-182471.
Available on Standing Order, deposit account required for all RODS is $700 for U.S., Canada, and Mexico; all others $1,400. Deposit required for each region, $200, U.S., Canada, and Mexico; for all others $400. Also available individually in paper copy or microfiche.

The Hastings Groundwater Contamination site consists of localized areas where the aquifer is contaminated with industrial chemicals, primarily VOCs, in the City of Hastings, Adams County, Nebraska. The ROD addresses part of the Colorado Avenue subsite, which is one of several Hasting Groundwater Contamination subsites. This subsite consists of contaminated soil at three industrial properties. The estimated 23,000 residents of Hastings obtain their drinking water from a municipal system that taps into the underlying sole-source aquifer. The ROD addresses the ground water contamination component as OU1. Future RODs may address additional source control measures, subsurface monitoring, ground water extraction and treatment, wellhead protection and treatment, and provide institutional controls. The primary contaminants of concern affecting the ground water are VOCs including DCE, PCE, and TCE. The selected remedial action for this interim remedy is included.

Keywords: *Superfund, *Remedial action, *Waste disposal, *Hazardous materials, *Pollution control, Site surveys, Ground water, Water pollution, Industrial wastes, Volatile organic compounds, Potable water, Nebraska, *Record of Decision, Adams County(Nebraska), Cleanup operations, EPA region 7.

PB92-964308/REB PC **A05**/MF **A01**
Superfund Record of Decision (EPA Region 7): John Deere (Ottumwa Works Landfill), Ottumwa, IA. (First Remedial Action), September 1991. Final rept.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
23 Sep 91, 83p EPA/ROD/R07-91/053
Available on Standing Order, deposit account required for all RODS is $700 for U.S., Canada, and Mexico; all others $1,400. Deposit required for each region, $200, U.S., Canada, and Mexico; for all others $400. Also available individually in paper copy or microfiche.

The 105-acre John Deere (Ottumwa Works Landfill) site is an active agricultural equipment manufacturing and assembly facility in Ottumwa, Wapello County, Iowa. The estimated 27,000 Ottumwa residents use municipal water obtained from the Des Moines River as their drinking water supply, the municipal intake is located approximately 1,000 feet upgradient from the site. The Record of Decision (ROD) addresses the disposal areas, the drainage ditch, and Black Lake surface water. The primary contaminants of concern affecting the soil, sediment, and debris are organics including PAHs; and metals including arsenic, chromium, and lead. The selected remedial action for this site is included.

Keywords: *Superfund, *Hazardous materials, *Waste disposal, *Remedial action, *Pollution control, Iowa, Soil contamination, Sediments, Aromatic polycyclic hydrocarbons, Metals, Water pollution, Earth fills, *Record of Decision, Ottumwa(Iowa), EPA region 7, Cleanup operations.

PB92-964309/REB PC **A03**/MF **A01**
Superfund Record of Decision (EPA Region 7): Shaw Avenue Dump Site, Charles City, Floyd County, IA. (First Remedial Action), September 1991.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
26 Sep 91, 49p EPA/ROD/R07-91/051
Portions of this document are not fully legible.
Available on Standing Order, deposit account required for all RODS is $700 for U.S., Canada, and Mexico; all others $1,400. Deposit required for each region, $200, U.S., Canada, and Mexico; for all others $400. Also available individually in paper copy or microfiche.

The 26-acre Shaw Avenue Dump site is a chemical waste site in Charles City, Floyd County, Iowa. Land use in the area is predominantly residential. From 1899 to 1964, Charles City used the site as a municipal landfill for waste incineration, and disposal of liming sludge from the city's publicly owned treatment works (POTW) and asphaltic materials continue to be disposed of in the landfill. Between 1977 and 1981, the State issued reports based on studies of the site and surface water that documented elevated levels of metals in an abandoned gravel pit near the site. The Record of Decision (ROD) addresses the chemical fill and surrounding contaminated soil, and the underground gasoline tank as Operable Unit 1 (OU1). A future ROD will address contaminated ground water as OU2. The primary contaminants of concern affecting the soil and debris are VOCs including benzene, toluene, and xylenes; other organics including PAHs; metals including arsenic and lead; and other inorganics. The selected remedial action for the site is included.

Keywords: *Superfund, *Hazardous materials, *Remedial action, *Waste disposal, *Pollution control, Iowa, Soil contamination, Chemical effluents, Chemical compounds, Earth fills, Municipal wastes, Liming, Aromatic polycyclic hydrocarbons, Metals, Volatile organic compounds, *Record of Decision, Charles City(Iowa), EPA region 7, Cleanup operations, Publicly Owned Treatment Works.

PB92-964310/REB PC **A07**/MF **A02**
Superfund Record of Decision (EPA Region 7): Mid-America Tanning Site, Sergeant Bluff, IA. (First Remedial Action), September 1991.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
24 Sep 91, 131p EPA/ROD/R07-91/055
Available on Standing Order, deposit account required for all RODS is $700 for U.S., Canada, and Mexico; all others $1,400. Deposit required for each region, $200, U.S., Canada, and Mexico; for all others $400. Also available individually in paper copy or microfiche.

The 98.7-acre Mid-America Tanning site is a former leather tannery in Sergeant Bluff, Woodbury County, Iowa. Surrounding land use is mixed industrial and agricultural. A portion of the site is bordered by Oxbow Lake and lies within the 100-year floodplain. The Missouri River is approximately 1.5 miles to the southwest of the site and receives discharges from Oxbow Lake. The facility began onsite processing of animal hides in 1970. In 1980, the State confirmed the onsite burial of chromium-containing sludge in trenches, and the company was cited for permit violations. A 1985 EPA investigation identified excessive chromium contamination in onsite soil, sediment, and ground water. In 1990, EPA conducted a removal action that included excavating and consolidating onsite 1,290 cubic yards of sludge from the trench disposal area. The Record of Decision (ROD) addresses the contaminated soil, impoundment sediment and water, and the excavated trench material. A future ROD will address onsite ground water contamination. The primary contaminant of concern affecting the soil, sediment, debris, sludge, and surface water are metals including chromium and lead. The selected remedial action for the site is included.

Keywords: *Superfund, *Remedial action, *Hazardous materials, *Waste disposal, *Pollution control, Tanning materials, Leather, Soil contamination, Surface waters, Sediments, Sludge disposal, Iowa, Water pollution, Chromium, Lead(Metal), Metals, Missouri River, Oxbow Lake, *Record of Decision, Woodbury County(Iowa), EPA region 7, Cleanup operations.

PB92-964311/REB PC **A04**/MF **A01**
Superfund Record of Decision (EPA Region 7): Lehigh Portland Cement Company, Mason City, IA. (First Remedial Action), June 1991. Final rept.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
28 Jun 91, 55p EPA/ROD/R07-91/050
Available on Standing Order, deposit account required for all RODS is $700 for U.S., Canada, and Mexico; all others $1,400. Deposit required for each region, $200, U.S., Canada, and Mexico; for all others $400. Also available individually in paper copy or microfiche.

The Lehigh Portland Cement site is composed of two areas: the 150-acre Lehigh Portland Cement Company (LPCC) cement production facility, and the 410-acre Lime Creek Nature Center (LCNC), in Mason, Gordo County, Iowa. The site overlies an aquifer that serves as a source of water for 12 nearby wells; and municipal water is obtained from a deeper aquifer. Calmus Creek borders the site and discharges to the Winnebago River, located within a mile of the site. From 1911 to the present, the LPCC has manufactured cement products. In 1981, hydrochemical tests of Blue Waters Pond on the LPCC area indicated high alkalinity. The Record of Decision (ROD) addresses the Cement Kiln Dust ground water, and surface water as a final remedy. Elevated pH of ground water and surface water also is of potential concern. The selected remedial action for all are included.

Keywords: *Superfund, *Waste disposal, *Hazardous materials, *Remedial action, *Pollution control, Portland cement, Ground water, Surface waters, Water pollution, Metals, Iowa, Arsenic, Chromium, Lead(Metal), Recreation, Dust, pH, *Record of Decision, Gordo County(Iowa), EPA region 7, Cleanup operations, Lime Creek Nature Center.

PB92-964312/REB PC **A03**/MF **A01**
Superfund Record of Decision (EPA Region 7): Ellisville Area Site, St. Louis County, Ellisville, MO. (Second Remedial Action), September 1991. Final rept.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
30 Sep 91, 47p EPA/ROD/R07-91/047
See also PB92-964302.
Available on Standing Order, deposit account required for all RODS is $700 for U.S., Canada, and Mexico; all others $1,400. Deposit required for each region, $200, U.S., Canada, and Mexico; for all others $400. Also available individually in paper copy or microfiche.

The Ellisville Area site is a former waste oil disposal site in Ellisville, St. Louis County, Missouri. The site consists of the 11.6-acre Bliss property and four contiguous properties where hazardous substances have been identified. Land use in the area is mixed residential, rural, and recreational. Surface runoff at the site drains to Caulks Creek, a tributary of Bonhomme Creek, which enters the Missouri River about 1 mile upstream of a city of St. Louis waterworks intake. During the 1960's and 1970's, Bliss Waste Oil Company used the site to transport and dispose of waste oil products (some of which were contaminated with dioxin), industrial wastes, and chemical wastes. Dioxin-contaminated waste oil was applied directly to surface soil for dust control, and spillage from trucks also occurred. Investigations conducted from 1982 through 1983 concluded that site contamination was not affecting the ground water; however, some onsite surface migration of contaminated soil and sediment had occurred. The ROD provides a final remedy for dioxin-contaminated soil, which involves excavation and direct transport of dioxin wastes offsite for treatment. The 1986 remedy for non-dioxin wastes is not affected. The primary contaminant of concern affecting the soil is dioxin, an organic. The selected remedial action for the site includes excavating and direct transportation of approximately 7,000 cubic yards of dioxin-contaminated soil for treatment at an offsite temporary thermal treatment unit constructed at the Times Beach site; disposing of treatment residuals at the Times Beach site as nonhazardous solid waste if delisting criteria are met, or retreating at Times Beach or managing residuals offsite as a hazardous waste if delisting criteria are not met.

Keywords: *Waste disposal, *Pollution control, Soils, Hazardous materials, Missouri, Dioxin, Organic compounds, *Superfund, *Second Remedial Action-Final, Record of Decision, St. Louis County(Missouri), Ellisville Area.

PB92-964403/REB PC **A09**/MF **A02**
Superfund Record of Decision (EPA Region 8): Rocky Mountain Arsenal (Operable Unit 26), CO. (Tenth Remedial Action), September 1991.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
5 Sep 91, 178p EPA/ROD/R08-91/051
Available on Standing Order, deposit account required for all RODS is $700 for U.S., Canada, and Mexico; all others $1,400. Deposit required for each region, $200, U.S., Canada, and Mexico; for all others $400. Also available individually in paper copy or microfiche.

The Rocky Mountain Arsenal (RMA) (Operable Unit 26) site comprises part of the 17,000-acre RMA site,

which is a former U.S. Army chemical warfare and incendiary munitions manufacturing and assembly plant in Adams County, Colorado. Since 1970, U.S. Army facility operations primarily have involved the destruction of chemical warfare materials. Because final remediation of the RMA site will take many years to complete, 13 interim response actions (IRAs) were determined necessary prior to implementing the final On-Post Record of Decision (ROD). Operable Unit 26 (OU26), which is one of these 13 IRAs, is composed of the piping and equipment in the buildings in the North and South Plants at RMA. The ROD addresses contaminated piping and equipment in numerous buildings in the North and South Plants, and contaminated 1-ton containers. The primary contaminants of concern affecting the debris and air are the chemical agents GB (Agent GB, Sarin), HD (Agent Mustard), L (Agent Lewisite), and VX (Agent VX). The selected remedial action for the site is included.

Keywords: *Superfund, *Hazardous materials, *Waste disposal, *Remedial action, *Pollution control, Colorado, Chemical warefare agents, Munitions industry, Military facilities, Containers, Organic compounds, Pipes(Tubes), Decontamination, Equipment, *Record of Decision, Adams County(Colorado), EPA region 8, Cleanup operations.

PB92-964404/REB PC **A10**/MF **A03**
Superfund Record of Decision (EPA Region 8): Anaconda Smelter Site, (Operable Unit 11 - Flue Dust), Deer Lodge County, Anaconda, MT. (Second Remedial Action), September 1991.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
23 Sep 91, 205p EPA/ROD/R08-91/053
See also PB89-135636.Portions of this document are not fully legible.
Available on Standing Order, deposit account required for all RODS is $700 for U.S., Canada, and Mexico; all others $1,400. Deposit required for each region, $200, U.S., Canada, and Mexico; for all others $400. Also available individually in paper copy or microfiche.

The 6,000-acre Anaconda Smelter site is a former copper and ore processing facility in Deer Lodge County, Montana. Land use in the area is predominantly residential. The site is bounded on the north and east, respectively, by the Warm Springs Creek and Mill Creek, both of which are potential sources of drinking water. From 1884 until 1980 when activities ceased, the site was used for ore processing and smelting operations. In 1988, EPA conducted an investigation to determine the nature and extent of the flue dust contamination. A 1988 ROD addressed the Mill Creek Operable Unit (OU15) and documented the relocation of residents from the community surrounding the smelter site as the selected remedial action. The Record of Decision (ROD) addresses the Flue Dust Operable Unit (OU11). The primary contaminants of concern affecting this site from the flue dust materials are metals including arsenic, cadmium, and lead. The selected remedial action for the site is included.

Keywords: *Superfund, *Hazardous materials, *Waste disposal, *Remedial action, *Pollution control, Montana, Metals, Arsenic, Cadmium, Lead(Metal), Ore processing, Smelting, *Record of Decision, Deer Lodge County(Montana), Cleanup operations, EPA region 8.

PB92-964405/REB PC **A04**/MF **A01**
Superfund Record of Decision (EPA Region 8): Rocky Mountain Arsenal (Operable Unit 21), CO. (Ninth Remedial Action), June 1991.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
6 Jun 91, 60p EPA/ROD/R08-91/050
Available on Standing Order, deposit account required for all RODS is $700 for U.S., Canada, and Mexico; all others $1,400. Deposit required for each region, $200, U.S., Canada, and Mexico; for all others $400. Also available individually in paper copy or microfiche.

The Rocky Mountain Arsenal (RMA) (Operable Unit 21) site comprises part of the 17,000-acre RMA site, which is a former U.S. Army chemical warfare and incendiary munitions manufacturing and assembly plant in Adams County, Colorado. From the 1950s until late 1969, the U.S. Army used the RMA facility to produce the nerve agent GB (isopropylmethyl-phosphonofluoridate). In addition, between 1947 and 1982, private industries leased major portions of the plant's facilities to manufacture various insecticides and herbicides. Operable Unit 21 (OU21), the South Tank Farm Plume (STFP), is one of several areas being addressed as part of the Other Contaminated Sources IRA. From 1947 to 1978, STF tanks 464A, 464B, and others were used intermittently to store bicycloheptadiene (BCHPD) and dicyclopentadiene (DCPD) bottoms generated from pesticide manufacturing. A number of U.S. Army investigations have revealed ground water contamination originating from the areas of light nonaqueous phase liquid (LNAPL) located near tank 464A. Recent investigations have shown that the STFP does not pose significant risk to public health or the environment. The ROD addresses interim management of migration of the STFP and is consistent with the Final Response Action. The primary contaminants of concern affecting the ground water are VOCs including benzene, toluene, and xylenes. The selected interim remedial action for the site is included.

Keywords: *Superfund, *Hazardous materials, *Waste disposal, *Remedial action, *Pollution control, Pesticides, Volatile organic compounds, Chemical industry, Ground water, Water pollution, Storage tanks, Colorado, *Record of Decision, South Tank Farm Plume, Adams County(Colorado), EPA region 8, Cleanup operations.

PB92-964406/REB PC **A06**/MF **A02**
Superfund Record of Decision (EPA Region 8): Central City-Clear Creek Site, (Operable Unit 3), Clear Creek and Gilpin Counties, CO. (Third Remedial Action), September 1991.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
30 Sep 91, 106p EPA/ROD/R08-91/055
Available on Standing Order, deposit account required for all RODS is $700 for U.S., Canada, and Mexico; all others $1,400. Deposit required for each region, $200, U.S., Canada, and Mexico; for all others $400. Also available individually in paper copy or microfiche.

The Central City-Clear Creek site is an active mining facility in Central City, Clear Creek and Gilpin counties, Colorado. The site lies within the 400-square mile drainage basin of Clear Creek, which serves as a drinking water source for several municipalities. Presently, six major mine drainage tunnels are thought to be principal discharge sources of acid mine water containing high concentrations of metals to surface waters including Clear Creek and its tributaries. In addition, over 21 mine tailings piles with an estimated total volume of over 2,000,000 cubic yards at numerous locations throughout the site are thought to be major sources of contamination. In response to site contamination, EPA has conducted three removal actions since 1987. The ROD supersedes the remedy provided for OU1 in the 1987 ROD by including active treatment of the Argo Tunnel and delaying a decision on treating the discharge from the Big Five, National and Quartz Hill tunnels, and the Gregory Incline. The primary contaminants of concern affecting the ground water are metals including arsenic, cadmium, chromium, and lead. The selected remedial action for the site is included.

Keywords: *Superfund, *Hazardous materials, *Waste disposal, *Remedial action, *Pollution control, Colorado, Ground water, Acid mine drainage, Mining, Metals, Mine wastes, Tailings, Water pollution, *Record of Decision, Gilpin County(Colorado), Clear Creek County(Colorado), EPA region 8, Cleanup operations.

PB92-964407/REB PC **A06**/MF **A02**
Superfund Record of Decision (EPA Region 8): Wasatch Chemical Site (Lot 6), Salt Lake City, UT. (First Remedial Action), March 1991. Final rept.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
29 Mar 91, 103p EPA/ROD/R08-91/048
Available on Standing Order, deposit account required for all RODS is $700 for U.S., Canada, and Mexico; all others $1,400. Deposit required for each region, $200, U.S., Canada, and Mexico; for all others $400. Also available individually in paper copy or microfiche.

The 18-acre Wasatch Chemical (Lot 6) site is an active chemical production, storage, and distribution facility in Salt Lake City, Utah. Land use in the area is predominantly industrial. The site lies one-half mile east of the Jordan River, within the center of the Jordan River Valley. From 1957 to 1986, Wasatch Chemical Company and other tenants used the site for production, packaging, storage, and distribution of various chemical products, including industrial chemicals, acids, solvents, pesticides, and fertilizers. Process wastes, including dioxins, were directed toward an onsite evaporation pond, stored in 40 drums, and also discharged directly in the ground and possibly into the Salt Lake City sewer system. The Record of Decision (ROD) addresses contamination of onsite soil, sludge, and ground water as a final remedy. The primary contaminants of concern affecting the soil, sludge, and ground water are VOCs including PCE, TCE, toluene, and xylenes; and other organics including pesticides, herbicides, and dioxins. The selected remedial action for the site includes excavating and consolidating 3,587 cubic yards of contaminated soil and sludge and 650 gallons of liquid waste in the former evaporation pond; treating these materials onsite using in-situ vitrification.

Keywords: *Waste disposal, *Pollution control, *Ponds, Soils, Ground water, Sludge, Hazardous materials, Utah, Volatile organic compounds, Pesticides, Herbicides, Dioxins, *Superfund, *First Remedial Action-Final, Record of Decision, Wasatch Chemical, Salt Lake City(Utah).

PB92-964408/REB PC **A09**/MF **A03**
Superfund Record of Decision (EPA Region 8): Chemical Sales Site, (New Location), (Operable Unit 2), Adams County, CO. (Second Remedial Action), June 1991.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
27 Jun 91, 193p EPA/ROD/R08-91/046
Available on Standing Order, deposit account required for all RODS is $700 for U.S., Canada, and Mexico; all others $1,400. Deposit required for each region, $200, U.S., Canada, and Mexico; for all others $400. Also available individually in paper copy or microfiche.

The Chemical Sales (New Location) (Operable Unit 2) site is an active chemical sales and storage facility in Commerce City, Adams County, Colorado. Land use in the area is predominantly industrial. The site is a portion of a 4-square-mile-area, which consists of single and multi-family residences, small business, municipal facilities, and agriculture, and undeveloped land. Between 1985 and 1990, three onsite chemical releases of hazardous substances from the CS facility into onsite soil and ground water were documented. First in 1985, approximately 200 gallons of methylene chloride were released during a chemical transfer second, in 1986 VOC-contaminated rain water was discharged into a nearby drainage ditch. And this in 1990, approximately 3,700 gallons of methanol were spilled onto the ground near the CS tank farm. The site has been divided into three operable units (OUs) for remediation. A previous Record of Decision (ROD) addressed onsite soil and ground water contamination as OU1. This ROD addresses OU2, the VOC-contaminated ground water plume, which is north of Sand Creek. The primary contaminants of concern affecting the ground water are VOCs including benzene, PCE, and TCE. The selected remedial action for OU2 of this site includes pumping and onsite treatment of ground water using air stripping, followed by onsite reinjection of treated water into the aquifer; annual ground water monitoring; and voluntary abandonment of bedrock wells.

Keywords: *Waste disposal, *Pollution control, Ground water, Aquifers, Hazardous materials, Volatile organic compounds, Colorado, *Superfund, *Second Remedial Action, Record of Decision, Chemical sales, Commerce City(Colorado), Adams County(Colorado).

PB92-964409/REB PC **A09**/MF **A02**
Superfund Record of Decision (EPA Region 8): Chemical Sales (New Location) (Operable Unit 1), Denver, CO. (First Remedial Action), June 1991.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
27 Jun 91, 182p EPA/ROD/R08-91/045
Available on Standing Order, deposit account required for all RODS is $700 for U.S., Canada, and Mexico; all others $1,400. Deposit required for each region, $200, U.S., Canada, and Mexico; for all others $400. Also available individually in paper copy or microfiche.

The Chemical Sales (New Location) (Operable Unit 1) site is an active chemical sales and storage facility in Commerce City, Adams and Denver Counties, Colorado. Land use in the area is predominantly industrial, and there are six residences located on the northern portion of the site. The site is bounded by Sand Creek to the north and lies within the 100-year floodplain of the creek. An estimated 30,000 people who reside

near the site use the alluvial aquifer as the principal source of drinking water. Since 1976, Chemical Sales (CS) has used the site to store and sell organic chemicals and acids. Between 1985 and 1990, three onsite chemical releases of hazardous substances into the soil and ground water from the CS facility were reported. In 1985, approximately 200 gallons of methylene chloride were spilled into onsite soil during a chemical transfer. The second release was in 1986 when rain water contaminated with several VOCs was discharged into a nearby drainage ditch. The third release occurred in 1990, when approximately 3,700 gallons of methanol were spilled on the ground surface near the CS tank farm. The Record of Decision (ROD) addresses remediation of soil and ground water contamination south of Sand Creek, as OU1. Future RODs will address other site contamination including the ground water plume and associated contamination (OU2), and residential exposure to contaminated wells and domestic water from the municipal water supply (OU3). The primary contaminants of concern affecting the soil and ground water are VOCs including PCE and TCE. The selected remedial action for the site includes treating contaminated onsite soil using vapor extraction; treating air emissions with catalytic oxidation; recirculating exhaust from the catalytic oxidation system into the contaminated soil; pumping and onsite treatment of ground water in the source area and plume area using air stripping, followed by reinjecting the treated water from the source area wells and reinfiltrating treated water from the plume area through onsite discharge.

Keywords: *Waste disposal, *Pollution control, Soils, Groundwater, Aquifers, Volatile organic compounds, Hazardous materials, Colorado, *Superfund, *First Remedial Action, Record of Decision, Chemical sales, Commerce City(Colorado), Denver County(Colorado).

PB92-964410/REB PC **A09**/MF **A02**
Superfund Record of Decision (EPA Region 8): Chemical Sales, (New Location), (Operable Unit 3), Adams County, CO. (Third Remedial Action), June 1991. Final rept.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
27 Jun 91, 192p EPA/ROD/R08-91/047
Available on Standing Order, deposit account required for all RODS is $700 for U.S., Canada, and Mexico; all others $1,400. Deposit required for each region, $200, U.S., Canada, and Mexico; for all others $400. Also available individually in paper copy or microfiche.

The Chemical Sales (New Location) (Operable Unit 3) site is an active chemical sales and storage facility in Commerce City, Adams County, Colorado. Land use in the area is predominantly industrial. An estimated 30,000 residents near the site use the alluvial aquifer as the principal source of drinking water. EPA investigations confirmed the release of hazardous substances into ground water from the CS property. The selected remedial action for the site includes connecting residences currently using alluvial wells for domestic water supply to the South Adams County Water Supply District (SACWSD); installing home-activated carbon units in homes not readily accessible to SACWSD; implementing ground water monitoring for benzene; and providing public notification of the potential health threat.

Keywords: *Hazardous materials, *Volatile organic compounds, *Pollution control, Industrial wastes, Benzene, Residential buildings, Ground water, Activated carbon treatment, Public health, Acids, Water wells, Monitoring, Carbinols, *Superfund, Record of Decision, Third Remedial Action-Final, Chemicals, *Adams County(Colorado).

PB92-964504/REB PC **A06**/MF **A02**
Superfund Record of Decision (EPA Region 9): Advanced Micro Devices 901, (Signetics), (TRW Microwave), Sunnyvale, CA. (First Remedial Action), September 1991. Final rept.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
11 Sep 91, 117p EPA/ROD/R09-91/073
Available on Standing Order, deposit account required for all RODS is $700 for U.S., Canada, and Mexico; all others $1,400. Deposit required for each region, $200, U.S., Canada, and Mexico; for all others $400. Also available individually in paper copy or microfiche.

The 3-acre Advanced Micro Devices (AMD) site is an active semiconductor manufacturing facility in Sunnyvale, Santa Clara County, California. The site is part of a larger study area that includes four Operable Units (OUs): the AMD 901/902 site, the Signetics site, the 1-acre TRW Microwave site, and a 100-acre offsite contaminated ground water plume. Currently, the contaminated ground water is not used as a drinking water supply, but the State considers several of the aquifers to be potential drinking water sources. The Record of Decision (ROD) collectively addresses final remediation of soil and ground water in the four separate OUs within the study area. The primary contaminants of concern affecting the soil and ground water are VOCs including PCE and TCE; and other organics. The selected remedial action for the site is included.

Keywords: *Hazardous materials, *Waste disposal, *Pollution control, Site surveys, Water pollution, Ground water, Soils, Excavation, Incinerators, Volatile organic compounds, Semiconductors, Pumping, Industrial waste treatment, Adsorption, Waste water reuse, *Superfund, *Record of Decision, First remedial action-Final, Cleanup, *Santa Clara County(California), EPA region 9.

PB92-964511/REB PC **A04**/MF **A01**
Superfund Record of Decision (EPA Region 9): Micro Storage/Intel Magnetics, Santa Clara, CA. (First Remedial Action), August 1991.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
26 Aug 91, 72p EPA/ROD/R09-91/072
Available on Standing Order, deposit account required for all RODS is $700 for U.S., Canada, and Mexico; all others $1,400. Deposit required for each region, $200, U.S., Canada, and Mexico; for all others $400. Also available individually in paper copy or microfiche.

The 3-acre Micro Storage/Intel Magnetics site consists of a former microcomputer disk drive manufacturing facility and a magnetic bubble production and testing facility in Santa Clara, Santa Clara County, California. In addition, the site overlies two shallow aquifers zones, which in turn, overlie the Santa Clara Valley ground water basin, the primary drinking water source for the 1.4 million residents of the Santa Clara Valley. As a result of possible improper storage procedures at both facilities, a number of State and EPA investigations identified VOCs including benzene, TCE, and TCA, and other organics in the ground water aquifer beneath the site. The Record of Decision (ROD) addresses ground water contaminated by past facility operations. The primary contaminants of concern affecting the ground water are VOCs including benzene, PCE, TCE, and toluene; and other organics. The selected remedial action for this site is included.

Keywords: *Superfund, *Hazardous materials, *Waste disposal, *Remedial action, *Pollution control, California, Volatile organic compounds, Ground water, Water pollution, Magnetic disks, Magnetics, *Record of Decision, Santa Clara County(California), Cleanup operations, EPA region 9.

PB92-964512/REB PC **A06**/MF **A02**
Superfund Record of Decision (EPA Region 9): FMC (Fresno Plant), Fresno, CA. (First Remedial Action), June 1991. Final rept.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
24 Jun 91, 122p EPA/ROD/R09-91/060
Available on Standing Order, deposit account required for all RODS is $700 for U.S., Canada, and Mexico; all others $1,400. Deposit required for each region, $200, U.S., Canada, and Mexico; for all others $400. Also available individually in paper copy or microfiche.

The 17-acre FMC (Fresno Plant) site is an active pesticide manufacturing facility in Fresno, California. The site overlies two unconsolidated sand zones that are a potential source of ground water, and have been contaminated by site operations. Since 1931, various agricultural product operations have been conducted onsite including sulfur processing, and fertilizer and pesticide manufacturing. The waste disposal practices have led to contamination of onsite soil and ground water. Investigations by FMC under EPA oversight from 1989 to 1991 characterized and quantified site contamination, affected media, and probable source areas. The Record of Decision (ROD) provides for remediation of onsite source areas and restoration of ground water as a final remedy. The primary contaminants of concern affecting the soil and ground water are organochlorine and organophosphorous pesticides; although VOCs including PCE, TCE, toluene, and xylenes; other organics including dioxin, PAHs, and phenols; and metals including arsenic, chromium, and lead also are present. The selected remedial action for this site is included.

Keywords: *Superfund, *Hazardous materials, *Waste disposal, *Remedial action, *Pollution control, Pesticides, California, Volatile organic compounds, Metals, Aromatic polycyclic hydrocarbons, Dioxins, Phenols, Soil contamination, Ground water, Water pollution, *Record of Decision, Fresno(California), EPA region 9, Cleanup operations.

PB92-964513/REB PC **A07**/MF **A02**
Superfund Record of Decision (EPA Region 9): Synertek (Building No. 1), Santa Clara, CA. (First Remedial Action), June 1991. Final rept.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
28 Jun 91, 132p EPA/ROD/R09-91/059
Available on Standing Order, deposit account required for all RODS is $700 for U.S., Canada, and Mexico; all others $1,400. Deposit required for each region, $200, U.S., Canada, and Mexico; for all others $400. Also available individually in paper copy or microfiche.

The 1.5-acre Synertek (Building 1) site is a former semiconductor products manufacturing facility in Santa Clara, Santa Clara County, California. The major site feature is a 24,000 square foot building (Building 1). The site is comprised of both onsite and offsite components. The onsite component includes the area within the Synertek property boundaries surrounding Building 1, and the offsite component includes the area contaminated by a ground water plume that has migrated north past the property boundaries and into the adjacent industrial park. The site overlies three shallow aquifer zones, and a deep aquifer zone that provides up to 50% of the municipal drinking water for the Santa Clara Valley residences. Historical ground water use in the area includes private water-supply wells for homes and agriculture prior to the construction of public water connections and municipal water suppiy wells. The Record of Decision (ROD) addresses only contaminated ground water since the contaminated soil and structures were removed previously. The primary contaminants of concern affecting the ground water are VOCs including TCE, vinyl chloride, 1,1-DCE, cis-1,2-DCE TCA, and 1,1-DCA. The selected remedial action for the site includes continuing operation of the existing ground water extraction and air stripping treatment system; discharging the treated effluent to an onsite storm drain; controlling air emissions by carbon adsorption, conduct a pilot injection study to evaluate if the reinjection of treated water would enhance the removal of pollutants, speed ground water cleanup, and reduce ground water discharge to the surface.

Keywords: *Waste disposal, *Pollution control, Hazardous materials, Ground water, Aquifers, Water wells, Water supply, Volatile organic compounds, California, *Superfund, *First Remedial Action-final, Record of Decision, Synertek(Building 1), Santa Clara County(California).

PB92-964514/REB PC **A03**/MF **A01**
Superfund Record of Decision (EPA Region 9): Mesa Area Ground Water Contamination, Mesa, AZ. (First Remedial Action), September 1991. Final rept.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
27 Sep 91, 45p EPA/ROD/R09-91/064
Available on Standing Order, deposit account required for all RODS is $700 for U.S., Canada, and Mexico; all others $1,400. Deposit required for each region, $200, U.S., Canada, and Mexico; for all others $400. Also available individually in paper copy or microfiche.

The 80-acre Mesa Area Ground Water Contamination site is a semiconductor manufacturing facility in Mesa, Maricopa County, Arizona. Land use in the area is predominantly industrial and residential. The site overlies two aquifers: a Lower Alluvial Aquifer (LAA), which is used by the residents of Mesa as a drinking water source, and an Upper Alluvial Aquifer (UAA). Since 1966, Motorola, Inc., has used the site for the production of semiconductors and the storage of chemicals in an underground storage system. The selected remedial action for the site includes treating shallow onsite soil using soil vapor extraction, controlling VOC emissions using carbon adsorption, followed by offsite dis-

posal of carbon residuals; onsite and offsite pumping of contaminated ground water; treating the ground water onsite using vacuum degasification, followed by carbon adsorption to remove VOCs; discharging the treated water from the degasifier to the deionized water treatment plant for reuse in manufacturing and other facility processes; and disposing of remaining wastewater at a publicly owned treatment works.

Keywords: *Hazardous materials, *Volatile organic compounds, *Pollution control, Ground water, Land use, Aquifers, Manufacturing, Pumping, Extraction, Plumes, Adsorption, Carbon, Degasification, Water treatment, Waste water reuse, Waste treatment, *Superfund, Record of Decision, First remedial action-Final, *Mesa(Arizona), Vapor extraction.

PB92-964515/REB PC **A03**/MF **A01**
Superfund Record of Decision (EPA Region 9): Sola Optical USA, Inc., Petaluma, CA. (First Remedial Action), September 1991. Final rept.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
27 Sep 91, 38p EPA/ROD/R09-91/068
Available on Standing Order, deposit account required for all RODS is $700 for U.S., Canada, and Mexico; all others $1,400. Deposit required for each region, $200, U.S., Canada, and Mexico; for all others $400. Also available individually in paper copy or microfiche.

The 35-acre Sola Optical USA site is an active ophthalmic lens manufacturing facility in southern Sonoma County, California. The city of Petaluma utilizes an unconfined aquifer, which underlies the site, as a drinking water source. In 1982, Sola identified low levels of solvents in onsite ground water near six underground solvent storage tanks used to store TCA, acetone, and methanol. In 1987, the SFRWQCB ordered Sola to construct a ground water extraction and treatment system and, in 1988, the treatment system began pumping and treating ground water using granulated activated carbon to remove VOC contamination, followed by discharging the treated ground water under permit to Adobe creek. The Record of Decision (ROD) provides a final remedy to restore ground water to its beneficial use. The primary contaminants of concern affecting the ground water are VOCs. The selected remedial action for the site is included.

Keywords: *Superfund, *Remedial action, *Waste disposal, *Hazardous materials, *Pollution control, Ground water, Water pollution control, Volatile organic compounds, Underground storage, Storage tanks, California, Optical materials, *Record of Decision, First remedial action - Final, EPA region 9, Sonoma County(California), Cleanup.

PB92-964516/REB PC **A04**/MF **A01**
Superfund Record of Decision (EPA Region 9): CTS Printex Corporation, Mountain View, CA. (First Remedial Action), June 1991. Final rept.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
28 Jun 91, 69p EPA/ROD/R09-91/057
Available on Standing Order, deposit account required for all RODS is $700 for U.S., Canada, and Mexico; all others $1,400. Deposit required for each region, $200, U.S., Canada, and Mexico; for all others $400. Also available individually in paper copy or microfiche.

The CTS Printex site is an inactive printed circuit board manufacturing facility in Mountain View, Santa Clara County, California. Land surrounding the site is used for industrial, commercial, residential, and agricultural purposes. The site overlies two major water-yielding zones, a shallow and deep aquifer, which are suspected to be hydraulically continuous. From 1981 to 1985, the CTS Printex site manufactured printed circuit boards at its onsite facilities. In 1986, the State certified closure of the former CTS facility. The Record of Decision (ROD) addresses contaminated onsite ground water. The primary contaminants of concern affecting the ground water are VOCs including benzene, PCE, TCE, and toluene. The selected remedial action for the site is included.

Keywords: *Superfund, *Remedial action, *Waste disposal, *Hazardous materials, *Pollution control, Ground water, California, Water pollution control, Circuit boards, Volatile organic compounds, Industrial wastes, *Record of Decision, First remedial action - Final, EPA region 9, Cleanup, Santa Clara County(California).

PB92-964517/REB PC **A07**/MF **A02**
Superfund Record of Decision (EPA Region 9): Valley Wood Preserving Site, Turlock, CA. (First Remedial Action), September 1991. Final rept.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
27 Sep 91, 127p EPA/ROD/R09-91/062
Available on Standing Order, deposit account required for all RODS is $700 for U.S., Canada, and Mexico; all others $1,400. Deposit required for each region, $200, U.S., Canada, and Mexico; for all others $400. Also available individually in paper copy or microfiche.

The 14.4-acre Valley Wood Preserving (VWP) site is a former wood preserving facility in Turlock, Stanilaus County, California. From 1973 to 1979, VWP used a solution of chromated-copper arsenate (CCA) to preserve lumber onsite. Wood preserving chemicals were mixed and stored onsite in three above-ground storage tanks. After treatment, the wood was allowed to drip dry on paved and unpaved areas. Chemical spills, leaking tanks, improper onsite disposal practices, and chemical drippings from the treated lumber are known sources of contamination. In 1989, EPA investigations identified low levels of chromium contamination in several domestic wells, and required VWP to install an interim ground water extraction and electrochemical treatment system to help contain the migration of contamination. EPA also required VWP to design a plan for the development of an alternative water supply for any affected residences. VWP also installed three deep ground water wells to serve as domestic water supplies. The Record of Decision (ROD) provides a final remedy for contaminated soil and ground water. The primary contaminants of concern affecting the soil and ground water are metals including arsenic and chromium. The selected remedial action for the site is included.

Keywords: *Superfund, *Remedial Action, *Waste disposal, *Hazardous materials, *Pollution control, California, Wood preservatives, Soil contamination, Ground water, Water pollution control, Land pollution control, Metals, *Record of Decision, First Remedial Action - Final, EPA region 9, Cleanup, Stanilaus County(California).

PB92-964518/REB PC **A06**/MF **A02**
Superfund Record of Decision (EPA Region 9): TRW Microwave, (Advanced Micro Devices 901), (Signetics), Sunnyvale, CA. (First Remedial Action), September 1991. Final rept.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
11 Sep 91, 115p EPA/ROD/R09-91/076
See also PB92-964504.
Available on Standing Order, deposit account required for all RODS is $700 for U.S., Canada, and Mexico; all others $1,400. Deposit required for each region, $200, U.S., Canada, and Mexico; for all others $400. Also available individually in paper copy or microfiche.

The 1-acre TRW Microwave site is an active semiconductor manufacturing facility in Sunnyvale, Santa Clara County, California. The site is part of a larger study area that includes four Operable Units (OUs): the 3-acre Advanced Micro Devices (AMD) 901/902 site, the Signetics site, the 1-acre TRW Microwave site, and a 100-acre offsite contaminated ground water plume. Currently, the contaminated ground water is not used as a drinking water supply, but the State considers several of the aquifers to be potential drinking water sources. As a result of responses to an information questionnaire regarding an underground tanks investigation at the TRW site, a number of investigations were conducted that revealed extensive contamination of onsite soil and ground water. The Record of Decision (ROD) collectively addresses final remediation of soil and ground water in the four separate OUs within the study area. The primary contaminants of concern affecting the soil and ground water are VOCs including PCE and TCE; and other organics. The selected remedial action for the site is included.

Keywords: *Superfund, *Remedial action, *Hazardous materials, *Waste disposal, *Pollution control, Soil contamination, Ground water, Water pollution control, Land pollution control, Storage tanks, Underground storage, California, Volatile organic compounds, Trichloroethylene, Ethylene/trichloro, Semiconductors, Industrial wastes, *Record of Decision, First remedial action, Cleanup, EPA region 9, Santa Clara County(California).

PB92-964519/REB PC **A04**/MF **A01**
Superfund Record of Decision (EPA Region 9): Spectra-Physics, (Teledyne Semiconductor), Mountain View, CA. (First Remedial Action), March 1991. Final rept.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
22 Mar 91, 67p EPA/ROD/R09-91/075
Available on Standing Order, deposit account required for all RODS is $700 for U.S., Canada, and Mexico; all others $1,400. Deposit required for each region, $200, U.S., Canada, and Mexico; for all others $400. Also available individually in paper copy or microfiche.

The Spectra-Physics site is composed of two Superfund sites: the Spectra-Physics site, a laser and related components manufacturing facility, and the Teledyne Semiconductor site, a semiconductor manufacturing facility, as well as offsite areas associated with a contaminated groundwater plume in Mountain View, California. Prior to the construction of public water and sewer connections in 1984, ground water use in the area included private water supply wells for homes and agriculture. Many of these wells have been abandoned, and only a few currently are in use. Since 1963, Spectra-Physics has manufactured lasers and associated components onsite, and has used VOCs including TCE as part of the manufacturing processes. The Record of Decision (ROD) addresses contamination of the ground water aquifers and onsite soil. The primary contaminants of concern affecting the soil and ground water are VOCs including PCE, TCE, and toluene. The selected remedial action for the site is included.

Keywords: *Superfund, *Remedial action, *Hazardous materials, *Waste disposal, *Pollution control, Soil contamination, Ground water, Land pollution control, Water pollution control, Volatile organic compounds, Semiconductors, California, Waste water, *Record of Decision, First remedial action-Final, EPA region 9, Cleanup, Mountain View(California).

PB92-964520/REB PC **A04**/MF **A01**
Superfund Record of Decision (EPA Region 9): Advanced Micro Devices 915, Sunnyvale, CA. (First Remedial Action), August 1991. Final rept.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
26 Aug 91, 60p EPA/ROD/R09-91/066
Available on Standing Order, deposit account required for all RODS is $700 for U.S., Canada, and Mexico; all others $1,400. Deposit required for each region, $200, U.S., Canada, and Mexico; for all others $400. Also available individually in paper copy or microfiche.

The Advanced Micro Devices (AMD) No. 915 site is an active semiconductor manufacturing facility in Santa Clara County, California. The site consists of approximately 5 acres and contains three physical structures, the largest of which is a 116,000-square-feet building known as AMD 915. Ground water from the basin provides up to 50 percent of the municipal drinking water for 1.4 million residents of the Santa Clara Valley. Eleven chemical storage or treatment areas have been documented at the AMD 915 facility including three underground acid neutralization systems, two above-ground drum storage areas, and six underground tank complexes. Records indicate that solvent wastes and other materials were stored in underground tanks, and as many as 28 separate underground tanks may have been in service at various times. The Record of Decision (ROD) addresses remediation of onsite contaminated ground water. The primary contaminants of concern affecting the ground water are VOcs including benzene, TCE, toluene, and xylenes; other organics; and metals including arsenic and chromium. The selected remedial action for the site is included.

Keywords: *Superfund, *Remedial action, *Hazardous materials, *Waste disposal, *Pollution control, California, Ground water, Volatile organic compounds, Metals, Semiconductors, Organic compounds, Underground storage, Storage tanks, Water pollution control, *Record of Decision, First remedial action-Final, Cleanup, EPA region 9, Santa Clara County(California).

PB92-964605/REB PC **A05**/MF **A02**
Superfund Record of Decision (EPA Region 10): American Lake Gardens (McChord AFB - Area D), Pierce County, WA. (First Remedial Action), September 1991. Final rept.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
19 Sep 91, 97p EPA/ROD/R10-91/032
Available on Standing Order, deposit account required for all RODS is $700 for U.S., Canada, and Mexico; all others $1,400. Deposit required for each region, $200, U.S., Canada, and Mexico; for all others $400. Also available individually in paper copy or microfiche.

The American Lake Gardens (McChord AFB-Area D) site is an active U.S. Air Force base located at McChord Air Force Base, Pierce County, Washington. The site consists of two areas, Area D and American Lake Garden Tract (ALGT). From the mid-1940's to the present, no known industrial activities have occurred in the ALGT area; however, seven waste disposal sites have operated within the Area D portion of the site. Concurrent with DOD investigations, EPA discovered TCE in ground water monitoring wells installed at the ALGT, and in 1984, concluded that waste disposal sites in Area D were the likely source of ground water contamination. The ROD addresses remediation of the contaminated onsite and offsite ground water plume, as a final remedy. The primary contaminants of concern affecting the ground water are VOCs including benzene, PCE, TCE, toluene, and xylenes; other organics; and metals including arsenic, chromium, and lead. The selected remedial action for the site is included.

Keywords: *Superfund, *Hazardous materials, *Waste disposal, *Remedial action, *Pollution control, Washington(State), Military facilities, Ground water, Water pollution, Volatile organic compounds, Organic compounds, Metals, *Record of Decision, Pierce County(Washington), EPA region 10, Cleanup operations.

PB92-964606/REB PC **A08**/MF **A02**
Superfund Record of Decision (EPA Region 10): Union Pacific Railroad Yard, Bannock County, Pocatello, ID. (First Remedial Action), September 1991. Final rept.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
10 Sep 91, 166p EPA/ROD/R10-91/029
Available on Standing Order, deposit account required for all RODS is $700 for U.S., Canada, and Mexico; all others $1,400. Deposit required for each region, $200, U.S., Canada, and Mexico; for all others $400. Also available individually in paper copy or microfiche.

The Union Pacific Railroad Yard site is an active rail yard located in Pocatello, Bannock County, Idaho. Union Pacific Railroad (UPRR) began operations around the turn of the 20th century. UPRR constructed a treatment plant in 1961 to receive industrial wastewater and surface stormwater runoff from the railyard. Until 1983, sludge from the treatment plant's oil/water separator and from a dissolved air flotation unit was disposed in the onsite sludge pit. In 1983, EPA determined that seepage from UPRR's sludge pit, and from a nearby area where an oil tie treating facility was located were contributing to Upper Aquifer ground water contamination. The Record of Decision (ROD) addresses contamination of the Pocatello Sludge Pit located at the UPRR property. The primary contaminants of concern affecting the soil, sediment, sludge, and ground water are VOCs, other organics including PAHs and petroleum-based hydrocarbons (oils), and metals. The selected remedial action for the site is included.

Keywords: *Superfund, *Hazardous materials, *Remedial action, *Waste disposal, *Pollution control, Idaho, Railroads, Soil contamination, Environmental transport, Industrial wastes, Storm water runoff, Metals, Sediments, Sludge disposal, Ground water, Water pollution, Volatile organic compounds, Aromatic polycyclic hydrocarbons, *Record of Decision, Bannock County(Idaho), EPA region 10, Cleanup operations.

PB92-964607/REB PC **A05**/MF **A01**
Superfund Record of Decision (EPA Region 10): Yakima Plating Facility, Yakima, WA. (First Remedial Action), September 1991. Final rept.
Environmental Protection Agency, Washington, DC. Office of Emergency and Remedial Response.
30 Sep 91, 92p EPA/ROD/R10-91/030
Available on Standing Order, deposit account required for all RODS is $700 for U.S., Canada, and Mexico; all others $1,400. Deposit required for each region, $200, U.S., Canada, and Mexico; for all others $400. Also available individually in paper copy or microfiche.

The 0.94-acre Yakima Plating site is an inactive nickel-chrome automobile bumper replating facility in Yakima, Yakima County, Washington. Ground water from the shallow alluvium aquifer supplies much of the domestic and irrigation water in the Yakima Basin, and many residences adjacent to the site utilize private ground water wells for their water supply. The tanks were used during the electroplating operation cleaning, plating, and rinsing processes. The wastewater system operated from 1965 until plating operations ceased in 1990. Site assessments and investigations conducted by EPA contractors in 1984 and 1990 determined that the sludge and effluent from the settling tank were a dangerous waste under State regulations and that the potential exists for public exposure to metals from contact with contaminated surface and subsurface soil. The Record of Decision (ROD) addresses remediation of contaminated onsite soil, debris, and sludge. The primary contaminants of concern affecting the soil, debris, and sludge are organics including pesticides; and metals including arsenic, chromium, copper, lead, and nickel. The selected remedial action for the site is included.

Keywords: *Superfund, *Remedial action, *Waste disposal, *Hazardous materials, *Pollution control, Washington(State), Sludge disposal, Soil contamination, Plating, Metals, Pesticides, Water pollution control, Land pollution control, Electroplating, *Record of Decision, First remedial action-Final, EPA region 10, Cleanup, Yakima County(Washington).

AD-A252 680/4/REB PC **A05**/MF **A01**
Experimental Design and Instrumentation for a Field Experiment. Final rept. Sep 82-Mar 85.
Environmental Protection Agency, Research Triangle Park, NC.
V. A. Benignus, and M. J. Hazucha. Mar 92, 89p

This report concerns the design of a field experiment for a military setting in which the effects of carbon monoxide on neurobehavioral variables are to be studied. A field experiment is distinguished from a survey by the fact that independent variables are manipulated, just as in the laboratory. Thus causal relationships may be discovered rather than correlation. It was proposed to study the effects of multiple levels of CO exposure on compensatory tracking (main gun pointing at a target in a tank), electroencephalogram spectra and speech discrimination. Factors which govern the experimental design were considered in detail. Statistical and control matters were discussed. Many measurements which were proposed required special instrumentation. The control of the experiment and the acquisition of data required the interconnection of the special instrumentation with equipment at Aberdeen Proving Ground. The present report documents the development and/or testing of some of the special equipment (EEG helmet, facemask, control and data acquisition system) and specifies how it is to be connected to the other equipment to make a working system. Field experimental design, face mask, telemetry exposure, carbon monoxide, EEG, toxic gas.

Keywords: *Carbon monoxide, Correlation, Data acquisition, Discrimination, Electroencephalography, Experimental design, Guns, Helmets, Instrumentation, Laboratories, Masks, Measurement, Speech, Surveys, Targets, Exposure(Physiology), Field tests, Gas masks, Tank crews, Tanks(Combat vehicles), Neurobehavior, Compensatory tracking, *Toxicity.

AD-P006 832/0/REB PC **A02**/MF **A01**
Regional Efforts Through the IJC to Address Contaminated Bottom Sediment Problems in the Great Lakes.
Environmental Protection Agency, Chicago, IL. Great Lakes National Program Office.
A. G. Kizlauskas. Apr 92, 8p
This article is from 'Management of Bottom Sediments Containing Toxic Substances: Proceedings of the U.S./Japan Experts Meeting (13th) Held in Baltimore, Maryland on 3-5 November 1987,' AD-A253 003, p87-95.

The International Joint Commission (IJC) is a binational (United States and Canada) organization that was established under the Boundary Waters Treaty of 1909. In 1978, the two countries signed a Great Lakes Water Quality Agreement, pursuant to the Boundary Waters Treaty. Carrying out the provisions of this Agreement, the United States and Canada, through the IJC, are addressing the problem of contaminated bottom sediments both in the traditional context of dredging projects and in the newer context of the potentially harmful environmental impacts of contaminated bottom sediments, even in the absence of dredging activity.

Keywords: Agreements, Boundaries, Canada, Dredging, *Great lakes, Organizations, Sediments, *Treaties, United states, *Water quality, Contamination, Environmental impact, *Environmental management, IJC(International Joint Commission), Boundary waters treaty, Component Reports.

AD-P006 908/8/REB PC **A03**/MF **A01**
Dealing with Toxic Polluted Sediments in the Great Lakes Basin.
Environmental Protection Agency, Chicago, IL. Great Lakes National Program Office.
P. L. Wise. Apr 92, 11p
This article is from 'Management of Bottom Sediments Containing Toxic Substances: Proceedings of the U.S./Japan Experts Meeting (12th) Held in Yokohama, Japan on 11-14 November 1986', AD-A253 002, p257-267.

The United States and Canada signed the Great Lakes Water Quality Agreement in 1972. In 1978, the Agreement was expanded to cover pollution from toxic chemicals. Since 1973 the Great Lakes Water Quality Board has identified specific areas such as harbors, river mouths, and connecting channels as geographic areas of concern. Now the major problem in the majority of these areas is in-place polluted sediments. The Water Quality Board instituted a new ranking system for these areas in 1985. The purpose of the new system is to encourage progress and to allow the Board to report the status of investigatory and remedial activities accurately. The United States and Canada have banned production and use of certain toxic compounds such as DDT, dieldrin, and PCB's. The concentrations of these chemicals in fish have decreased over the last several years. Now the concentrations seem to be leveling-off, probably due to the continuing reservoir in the sediments. The highest concentrations of PCB's, up to 520,000 ppm, are found in Waukegan Harbor. The design of the proposed remedial action, under the United States Superfund authority, has been completed for Waukegan.

Keywords: Agreements, Canada, Channels, Chemicals, Ddt, Dieldrin, Fishes, Geographic areas, *Great lakes, Harbors, Lakes, Leveling, Majorities, *Pollution, Production, Quality, Ranking, Reservoirs, Rivers, *Sediments, United states, Water, Water quality, *Basins(Geographic), *Toxic hazards, Symposia, Component Reports, PCB(Polychlorinated Biphenyl).

DE92010386/REB PC **A09**/MF **A02**
Department of Energy, Washington, DC.
Offsite environmental monitoring report: Radiation monitoring around United States nuclear test areas. Calendar year 1990. Progress rept.
Environmental Monitoring Systems Lab., Las Vegas, NV.
1990, 189p DOE/DP/00539-063, EPA-600/4-91/030
Contracts AI08-76DP00539, AI08-86NV10522
Sponsored by Department of Energy, Washington, DC.

This report describes the Offsite Radiation Safety Program conducted during 1990 by the Environmental Protection Agency's (EPA's) Environmental Monitoring Systems Laboratory -- Las Vegas. This laboratory operates an environmental radiation monitoring program in the region surrounding the Nevada Test Site (NTS) and at former test sites in Alaska, Colorado, Mississippi, Nevada, and New Mexico. The surveillance program is designed to measure levels and trends of radioactivity, if present, in the environment surrounding testing areas to ascertain whether current radiation levels and associated doses to the general public are in compliance with existing radiation protection standards. The surveillance program additionally has the responsibility to take action to protect the health and well being of the public in the event of any accidental release of radioactive contaminants. Offsite levels of radiation and radioactivity are assessed by sampling milk, water, and air; by deploying thermoluminescent dosimeters (TLDs) and using pressurized ion cham-

bers (PICs); and by biological monitoring of animals, food crops, and humans. Personnel with mobile monitoring equipment are placed in areas downwind from the test site prior to each nuclear weapons test to implement protective actions, provide immediate radiation monitoring, and obtain environmental samples rapidly after any occurrence of radioactivity release.

Keywords: Air, Animals, Food, Human Populations, Milk, *Nevada Test Site, Plants, Water, Abandoned Sites, Alaska, Colorado, Environmental Exposure, Mississippi, Nevada, New Mexico, Progress Report, Public Health, Radiation Hazards, *Radiation Monitoring, Radiation Protection, *Radioactive Materials, Thermoluminescent Dosimetry, Toxicity, Tritium, EDB/540130, EDB/540230, EDB/540330, EDB/540150, EDB/540250, EDB/540350, EDB/560101, *Environmental monitoring.

N92-31073/9/REB

(Order as N92-31013/5/REB, PC **A16**/MF **A03**)

National Aeronautics and Space Administration, Washington, DC.

Variable Phase Function Approach for the Inversion of Lidar Return Signals.

Environmental Protection Agency, Las Vegas, NV.

V. A. Kovalev, and H. Moosmueller. Jul 92, 4p

In NASA. Langley Research Center, 16TH International Laser Radar Conference, Part 2 p 607-610.

A variable phase function is developed. This function may be used for the inversion of lidar data in an iterative process. Numerical simulations of this method were performed successfully, demonstrating fast convergence of the particulate phase function. The method will be used in the future to evaluate extinction and backscattering corrections for an Ultra-Violet Differential Absorption Lidar (UV-DIAL) system measuring tropospheric ozone concentrations.

Keywords: Backscattering, *Gas composition, *Optical radar, *Ozone, Ozonometry, *Troposphere, Atmospheric correction, Iteration, Particulates, Scattering coefficients.

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Air Superfund National Technical Guidance Study Series. Estimation of Air Impacts for the Excavation of Contaminated Soil.
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Asia Pacific Cleaner Production Conference: International Legislative Trends. Held in Melbourne, Australia on February 24-27, 1992.
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PB92-218379/REB 92-04 PC **A04**/MF **A01**

Background Document for the Liquid Release Test: Single Laboratory Evaluation and 1988 Collaborative Study.
PB92-183201/REB 92-04 PC **A06**/MF **A02**

Bacterial Transport through Homogeneous Soil.
PB92-153329/REB 92-01 PC **A02**/MF **A01**

Base Realignment and Closure 'How-to' Manual for Compliance with the National Environment Policy Act.
PB92-146281/REB 92-01 PC **A15**/MF **A03**

Behavior of Arsenic in a Rotary Kiln Incinerator (Journal Version).
PB92-179845/REB 92-01 PC **A02**/MF **A01**

BEN: A Model to Calculate the Economic Benefit of Noncompliance. User's Manual.
PB92-230358/REB 92-04 PC **A08**/MF **A02**

Bench-Scale Evaluation of Alternative Biological Treatment Processes for the Remediation of Pentachlorophenol- and Creosote-Contaminated Materials: Slurry-Phase Bioremediation.
PB92-129683/REB 92-01 PC **A02**/MF **A01**

Bench-Scale Evaluation of Alternative Biological Treatment Processes for the Remediation of Pentachlorophenol- and Creosote-Contaminated Materials: Solid-Phase Bioremediation.
PB92-129725/REB 92-01 PC **A03**/MF **A01**

Benzene Groundwater Exposure Study, Nesmith, South Carolina.
PB92-123801/REB 92-01 PC **A03**/MF **A01**

Best Demonstrated Available Technology (BDAT) Background Document for Quality Assurance/Quality Control Procedures and Methodology.
PB92-149277/REB 92-01 PC **A07**/MF **A02**

Beyond the Border: Environmental Management in Washington and British Columbia.
PB92-166883/REB 92-01 PC **A08**/MF **A02**

Bibliography of Materials on the Emergency Planning and Community Right-to-Know Act (Title III of SARA).
PB92-224823/REB 92-04 PC **A03**/MF **A01**

Bioaccumulation of Contaminants in Crabs and Clams in Bellingham Bay.
PB92-166867/REB 92-01 PC **A03**/MF **A01**

Bioavailability to Plants of Sludge-Borne Toxic Organics.
PB92-153931/REB 92-01 PC **A03**/MF **A01**

Biodegradation of Creosote and Pentachlorophenol in Contaminated Groundwater: Chemical and Biological Assessment.
PB92-129659/REB 92-01 PC **A03**/MF **A01**

Biodegradation of Monoaromatic Hydrocarbons by Aquifer Microorganisms Using Oxygen, Nitrate, or Nitrous Oxide as the Terminal Electron Acceptor.
PB92-110543/REB 92-01 PC **A02**/MF **A01**

Biologic Markers in Immunotoxicology.
PB92-238351/REB 92-04 PC **A10**/MF **A03**

Biologic Markers in Pulmonary Toxicology.
PB92-238328/REB 92-04 PC **A09**/MF **A02**

Biological Activity and Potential Remediation Involving Geotextile Landfill Leachate Filters.
PB92-153451/REB 92-01 PC **A03**/MF **A01**

Biological Criteria: Guide to Technical Literature.
PB92-231489/REB 92-04 PC **A07**/MF **A02**

Biological Criteria: National Program Guidance for Surface Waters.
PB92-231497/REB 92-04 PC **A04**/MF **A01**

Biological Criteria: State Development and Implementation Efforts.
PB92-231513/REB 92-04 PC **A03**/MF **A01**

Biological Diversity and Biological Integrity: Current Concerns for Lakes and Streams.
PB92-232917/REB 92-04 PC **A03**/MF **A01**

Biological Treatment of Wood Preserving Site Groundwater by BioTrol, Inc. Applications Analysis Report.
PB91-227983/REB 92-01 PC **A04**/MF **A01**

Biomethylation and Environmental Transport of Metals.
PB92-206275/REB 92-04 PC **A02**/MF **A01**

Bioremediation Case Studies: Abstracts.
PB92-232347/REB 92-04 PC **A12**/MF **A03**

Bioremediation Case Studies: An Analysis of Vendor Supplied Data.
PB92-232339/REB 92-04 PC **A03**/MF **A01**

Bioremediation in the Field. An Information Update on Applying Bioremediation to Site Clean-Up. Number 3.
PB92-224807/REB 92-04 PC **A03**/MF **A01**

Bioremediation in the Field: An Information Update on Applying Bioremediation to Site Cleanup. (Number 4).
PB92-224708/REB 92-04 PC **A03**/MF **A01**

Biotransformation of CIS-1,2-Dichloroethylene in Aquifer Material from Picatinny Arsenal, Morris County, New Jersey.
PB92-179100/REB 92-01 PC **A03**/MF **A01**

Biotransformation of Monoaromatic and Chlorinated Hydrocarbons at an Aviation Gasoline Spill Site.
PB92-144005/REB 92-01 PC **A03**/MF **A01**

BioTrol Soil Washing System for Treatment of a Wood Preserving Site: Applications Analysis Report.
PB92-115245/REB 92-01 PC **A04**/MF **A01**

Bioventing to Treat Fuel Spills from Underground Storage Tanks.
PB92-121342/REB 92-01 PC **A02**/MF **A01**

Briefing Report to the EPA Science Advisory Board on the Equilibrium Partitioning Approach to Generating Sediment Quality Criteria.
PB92-231521/REB 92-04 PC **A08**/MF **A02**

Burning Tires for Fuel and Tire Pyrolysis: Air Implications.
PB92-145358/REB 92-01 PC **A11**/MF **A03**

Cadmium: Special Review Document.
PB92-114230/REB 92-01 PC **A01**/MF **A01**

Can Intensive Management Increase Carbon Storage in Forests.
PB92-113224/REB 92-01 PC **A02**/MF **A01**

Canister-Based Method for Monitoring Toxic VOCs in Ambient Air.
PB92-206432/REB 92-04 PC **A03**/MF **A01**

Cape Cod Waste Water Renovation and Retrieval System, a Study of Water Treatment and Conservation First Year of Operation.
PB92-174408/REB 92-01 PC **A10**/MF **A03**

Capsule Report: Acostic Monitoring to Determine the Integrity of Hazardous Waste Dams.
PB92-179928/REB 92-01 PC **A03**/MF **A01**

Capsule Report: Adipic Acid-Enhanced Lime/Limestone Test Results at the EPA Alkali Scrubbing Test Facility.
PB92-179944/REB 92-01 PC **A03**/MF **A01**

Capsule Report: Bahco Flue Gas Desulfurization and Particulate Removal System.
PB92-179902/REB 92-01 PC **A03**/MF **A01**

Capsule Report: Benefits of Microprocessor Control of Curing Ovens for Solvent-Based Coatings.
PB92-179993/REB 92-01 PC **A03**/MF **A01**

Capsule Report: Disposal of Flue Gas Desulfurization Wastes. Shawnee Field Evaluation.
PB92-179936/REB 92-01 PC **A03**/MF **A01**

Capsule Report: First Progress Report. Physical Coal-Cleaning Demonstration at Homer City, Pennsylvania.
PB92-179910/REB 92-01 PC **A03**/MF **A01**

Capsule Report: Particulate Control by Fabric Filtration on Coal-Fired Industrial Boilers.
PB92-179894/REB 92-01 PC **A03**/MF **A01**

Captafol Final Decision.
PB92-114289/REB 92-01 PC **A01**/MF **A01**

Carbon Storage Potential of Short Rotation Tropical Tree Plantations.
PB92-232891/REB 92-04 PC **A03**/MF **A01**

Carbonate Equilibria and Groundwater Sample Collection: Implications for Estimated Average Subsurface Properties in Continental North America.
PB92-101690/REB 92-01 PC **A03**/MF **A01**

Carboxyhemoglobin and Brain Blood Flow in Humans.
PB92-227552/REB 92-04 PC **A02**/MF **A01**

Carcinogen-DNA Adducts in Cultures of Rat and Human Hepatocytes.
PB92-189075/REB 92-01 PC **A02**/MF **A01**

Carcinogenic Risk of Non-Uniform Alpha Particle Irradiation in the Lungs: Radon Progeny Effects at Bronchial Bifurcations.
PB92-227545/REB 92-04 PC **A02**/MF **A01**

Carcinogens and Human Health: Part 3. Letter to the Editor.
PB92-164870/REB 92-01 PC **A01**/MF **A01**

Carcinoma of the Exocrine Pancreas in Medaka.
PB92-129782/REB 92-01 PC **A02**/MF **A01**

Carpet Policy Dialogue. Compendium Report, September 27, 1991.
PB92-115005/REB 92-01 PC **A99**/MF **A06**

Cartographic and Geometric Components of a Global Sampling Design for Environmental Monitoring.
PB92-217397/REB 92-04 PC **A03**/MF **A01**

Case Study of Radon Diagnostics and Mitigation in a New York State School.
PB92-198571/REB 92-04 PC **A02**/MF **A01**

Catalogue and Directory of New England States and Regional GIS Organizations and Activities, and an Assessment of Their Future GIS Needs.
PB92-178227/REB 92-01 PC **A13**/MF **A03**

Causes and Control of Activated Sludge Bulking and Foaming.
PB92-216977/REB 92-04 PC **A05**

CERCLA Notifications: Emergency Response Notification System (ERNS) Fact Sheet.
PB92-963411/REB 92-04 PC **A01**/MF **A01**

CERCLA Reporting Requirements for Releases of Ethylene Glycol from Airplane De-Icing Operations.
PB92-963402/REB 92-01 PC **A02**/MF **A01**

CERCLIS Characterization Project: National Results.
PB92-963315/REB 92-01 PC **A06**/MF **A02**

CERCLIS Characterization Project: Region 1 Results.
PB92-963316/REB 92-01 PC **A05**/MF **A01**

CERCLIS Characterization Project: Region 2 Results.
PB92-963317/REB 92-01 PC **A05**/MF **A01**

CERCLIS Characterization Project: Region 3 Results.
PB92-963318/REB 92-01 PC **A05**/MF **A01**

CERCLIS Characterization Project: Region 4 Results.
PB92-963319/REB 92-01 PC **A05**/MF **A01**

CERCLIS Characterization Project: Region 5 Results.
PB92-963320/REB 92-01 PC **A05**/MF **A01**

CERCLIS Characterization Project: Region 6 Results.
PB92-963321/REB 92-01 PC **A05**/MF **A01**

CERCLIS Characterization Project: Region 7 Results.
PB92-963322/REB 92-01 PC **A05**/MF **A01**

CERCLIS Characterization Project: Region 8 Results.
PB92-963323/REB 92-01 PC **A05**/MF **A01**

CERCLIS Characterization Project: Region 9 Results.
PB92-963324/REB 92-01 PC **A05**/MF **A01**

CERCLIS Characterization Project: Region 10 Results.
PB92-963325/REB 92-01 PC **A05**/MF **A01**

Changes in the Physiological Performance and Energy Metabolism of an Estuarine Mysid 'Mysidopsis bahia' Exposed in the Laboratory through a Complete Life Cycle to the Defoliant DEF.
PB92-129709/REB 92-01 PC **A03**/MF **A01**

Characteristics of Single Particle Coal Combustion.
PB92-121409/REB 92-01 PC **A02**/MF **A01**

Characteristics of Successful Riparian Restoration Projects in the Pacific Northwest.
PB92-196039/REB 92-04 PC **A04**/MF **A01**

Characteristics of the U.S. EPA's Office of Pesticide Programs' Toxicity Information Databases.
PB92-188978/REB 92-01 PC **A02**/MF **A01**

Characterization of Chemical Kindling with the Pesticide Endosulfan.
PB92-189059/REB 92-01 PC **A02**/MF **A01**

Characterization of Condensible and Semivolatile Organic Materials from Boise Woodstove Samples.
PB92-206606/REB 92-04 PC **A03**/MF **A01**

Characterization of Municipal Solid Waste in the United States: 1992 Update.
PB92-207166/REB 92-04 PC **A07**/MF **A02**

Characterization of Products Containing Mercury in Municipal Solid Waste in the United States, 1970 to 2000.
PB92-162569/REB 92-01 PC **A07**/MF **A02**

Characterization of Stress-Responsive Behavior in 'Pseudomonas aeruginosa' PAO: Isolation of Tn3-lacZYA Fusions with Novel Damage-Inducible (din) Promoters.
PB92-195718/REB 92-01 PC **A02**/MF **A01**

Characterization of the Wintertime Boise, Idaho, Air Shed: A Comprehensive Field Study Report for the U.S. EPA Office of Air Quality Planning and Standards.
PB92-136803/REB 92-01 PC **A04**/MF **A01**

Characterization Protocol for Radioactive Contaminated Soils.
PB92-963354/REB 92-01 PC **A02**/MF **A01**

Characterizing Heterogeneous Wastes: Methods and Recommendations (March 26-28, 1991).
PB92-216894/REB 92-04 PC **A08**/MF **A02**

Chemical and Physical Properties of Emissions from Kuwait Oil Fires.
PB92-206481/REB 92-04 PC **A03**/MF **A01**

Chemical Contamination of Harbor Seal Pups in Puget Sound. Puget Sound Estuary Program.
PB92-132778/REB 92-01 PC **A06**/MF **A02**

Chemical Dehalogenation Treatability Studies under CERCLA: An Overview.
PB92-169275/REB 92-04 PC **A02**/MF **A01**
PB92-231299/REB 92-04 PC **A02**/MF **A01**

Chemical Enhancements to Pump-and-Treat Remediation. Ground Water Issue.
PB92-180074/REB 92-01 PC **A03**/MF **A01**

Chemical Oil Spill Dispersants: Evaluation of Three Laboratory Procedures for Estimating Performance.
PB92-222041/REB 92-04 PC **A09**/MF **A03**

Chemical Oil Spill Dispersants: Update State-of-the-Art on Mechanisms of Action and Factors Influencing Performance with Emphasis on Laboratory Studies.
PB92-222207/REB 92-04 PC **A05**/MF **A01**

Chemical Oxidation Treatment. Engineering Bulletin.
PB92-180066/REB 92-01 PC **A02**/MF **A01**

Chemical Resistance of Geosynthetic Materials.
PB92-136928/REB 92-01 PC **A03**/MF **A01**

Chemical Substitution for 1,1,1,-Trichloroethane and Methanol in an Industrial Cleaning Operation.
PB92-179886/REB 92-01 PC **A03**/MF **A01**

Chesapeake Bay Basin Comprehensive List of Toxic Substances.
PB92-221373/REB 92-04 PC **A04**/MF **A01**

Chesapeake Bay Bluefish Fishery Management Plan. Chesapeake Bay Program Agreement Commitment Report.
PB92-186436/REB 92-01 PC **A04**/MF **A01**

Chesapeake Bay Citizen Monitoring Program Report Conestoga River (October 1986-June 1990).
PB92-217801/REB 92-04 PC **A03**/MF **A01**

Chesapeake Bay Striped Bass Fishery Management Plan: Chesapeake Bay Program. Annual Progress Report from the Chesapeake Executive Council.
PB92-186428/REB 92-01 PC **A03**/MF **A01**

Chesapeake Bay Waterfowl Policy and Management Plan (Agreement Committment Report).
PB92-186451/REB 92-01 PC **A03**/MF **A01**

Chesapeake Bay Weakfish and Spotted Seatrout Fishery Management Plan: An Agreement Commitment Report from the Chesapeake Executive Council.
PB92-186477/REB 92-01 PC **A03**/MF **A01**

Chetco Ocean Dredged Material Disposal Site (ODMDS) Designation: Final Environmental Impact Statement.
PB92-104470/REB 92-01 PC **A08**/MF **A02**

Child Lead Exposure Study, Leeds, Alabama.
PB92-123793/REB 92-01 PC **A05**/MF **A01**

Chlorinated Dioxins and Furans in the General U.S. Population: NHATS FY87 Results.
PB92-180157/REB 92-01 PC **A12**/MF **A03**

Chlorobenzilate Position Document 1.
PB92-114313/REB 92-01 PC **A01**/MF **A01**

Cigarette Smoke-Induced DNA Adducts in the Respiratory and Nonrespiratory Tissues of Rats.
PB92-189083/REB 92-01 PC **A02**/MF **A01**

Citizen Monitoring: Recommendations to Household Well Users.
PB92-227263/REB 92-04 PC **A01**/MF **A01**

Citizen Monitoring: Recommendations to Public Water System Users.
PB92-227255/REB 92-04 PC **A01**/MF **A01**

Citizen's Guide to Air Sparging.
PB92-235597/REB 92-04 PC **A01**/MF **A01**

Citizen's Guide to Bioventing.
PB92-235571/REB 92-04 PC **A01**/MF **A01**

Citizen's Guide to Glycolate Dehalogenation.
PB92-233105/REB 92-04 PC **A02**/MF **A01**

Citizen's Guide to How Innovative Treatment Technologies Are Being Successfully Applied at Superfund Sites.
PB92-233071/REB 92-04 PC **A01**/MF **A01**

Citizen's Guide to In situ Soil Flushing.
PB92-233113/REB 92-04 PC **A02**/MF **A01**

Citizen's Guide to Innovative Treatment Technologies for Contaminated Soils, Sludges, Sediments and Debris.
PB92-235563/REB 92-04 PC **A02**/MF **A01**

Citizen's Guide to Pesticides (Fourth Edition), November 1991.
PB92-218403/REB 92-04 PC **A03**/MF **A01**

Citizen's Guide to Soil Washing.
PB92-233097/REB 92-04 PC **A02**/MF **A01**

Citizen's Guide to Solvent Extraction.
PB92-233089/REB 92-04 PC **A01**/MF **A01**

Citizen's Guide to Thermal Desorption.
PB92-232396/REB 92-04 PC **A02**/MF **A01**

Citizen's Guide to Using Indigenous and Exogenous Microorganisms in Bioremediation.
PB92-235589/REB 92-04 PC **A01**/MF **A01**

Citizens' Guidance Manual for the Technical Assistance Grant Program.
PB92-101435/REB 92-01 PC **A14**/MF **A03**

Clean Air Act Requirements for Trace Metals Information.
PB92-164995/REB 92-01 PC **A02**/MF **A01**

Clean Air Act Section 183(d) Guidance on Cost-Effectiveness.
PB92-136795/REB 92-01 PC **A03**/MF **A01**

Cleaning of Flue Gases from Waste Combustors, 1990.
PB92-121300/REB 92-01 PC **A03**/MF **A01**

Climate.
PB92-150457/REB 92-01 PC **A03**/MF **A01**

Climate Change and Isoprene Emissions from Vegetation.
PB92-153865/REB 92-01 PC **A03**/MF **A01**

Climate Change in Thailand and Its Potential Impact on Rice Yield.
PB92-232883/REB 92-04 PC **A03**/MF **A01**

Clinical Biochemistry.
PB92-188762/REB 92-01 PC **A03**/MF **A01**

Cloning and Characterization of tfdS, the Repressor-Activator Gene of tfdB, from the 2,4-Dichlorophenoxyacetic Acid Catabolic Plasmid pJP4.
PB92-129634/REB 92-01 PC **A02**/MF **A01**

Cloning and Expression of a Lignin Peroxidase Gene from 'Streptomyces viridosporus' in 'Streptomyces lividans'.
PB92-180389/REB 92-01 PC **A03**/MF **A01**

Closure of a Dioxin Incineration Facility.
PB92-191170/REB 92-01 PC **A03**/MF **A01**

Co-Existing with Asbestos: A Look at the Engineering Research Program of the U.S. Environmental Protection Agency.
PB92-139419/REB 92-01 PC **A03**/MF **A01**

Colchicine-Induced Deafferentation of the Hippocampus Selectively Disrupts Cholinergic Rhythmical Slow Wave Activity.
PB92-120476/REB 92-01 PC **A03**/MF **A01**

Collection of Interstitial Fluid and Seminiferous Tubule Fluid from the Rat Testis.
PB92-179084/REB 92-01 PC **A03**/MF **A01**

Color Yes; Cancer No.
PB92-110477/REB 92-01 PC **A03**/MF **A01**

Column Studies on BTEX Biodegradation under Microaerophilic and Denitrifying Conditions.
PB92-179050/REB 92-01 PC **A03**/MF **A01**

Combined Sewer Overflow: Balancing Flow for CSO Abatement.
PB92-179761/REB 92-01 PC **A02**/MF **A01**

Combustion Control of Trace Organic Air Pollutants from Municipal Waste Combustors.
PB92-113158/REB 92-01 PC **A03**/MF **A01**

Committed Obligated Expected Expenditures Plan (COEEP).
PB92-186469/REB 92-01 PC **A03**/MF **A01**

Common Synonyms: For Chemicals Listed Under Section 313 of the Emergency Planning and Community Right-to-Know Act.
PB92-232164/REB 92-04 PC **A06**/MF **A02**

Community Relations during Enforcement Activities and Development of the Administrative Record.
PB92-105469/REB 92-01 PC **A03**/MF **A01**

Community Relations in Superfund: A Handbook.
PB92-963341/REB 92-01 PC **A12**/MF **A03**

Compact Label File - 1992 (Fiche 1 - 5281).
PB92-911699/REB 92-01 MF**$2640.00**

Comparative Acute Sensitivity of Larval Topsmelt, 'Atherinops affinis', and Inland Silverside, 'Menidia beryllina', to 11 Chemicals.
PB92-195668/REB 92-01 PC **A02**/MF **A01**

Comparative Analysis of Dioxins and Furans in Ambient Air by High Resolution and Electron Capture Mass Spectrometry.
PB92-206440/REB 92-04 PC **A02**/MF **A01**

Comparative Immunosuppression of Various Glycol Ethers Orally Administered to Fisher 344 Rats.
PB92-195833/REB 92-01 PC **A02**/MF **A01**

Comparative Subchronic Toxicity Studies of Three Disinfectants.
PB92-164920/REB 92-01 PC **A03**/MF **A01**

Comparison of Airborne Asbestos Levels Determined by Transmission Electron Microscopy (TEM) Using Direct and Indirect Transfer Techniques.
PB92-191113/REB 92-01 PC **A04**/MF **A01**

Comparison of Animal Infectivity, Excystation, and Fluorogenic Dye as Measures of 'Giardia muris' Cyst Inactivation by Ozone.
PB92-124288/REB 92-01 PC **A02**/MF **A01**

Comparison of Data from an IAQ Test House with Predictions of an IAQ Computer Model.
PB92-198589/REB 92-04 PC **A03**/MF **A01**

Comparison of Five Solidification/Stabilization Processes for Treatment of Municipal Waste Combustion Residues. Part 1. Physical Testing.
PB92-121193/REB 92-01 PC **A03**/MF **A01**

Comparison of In situ Vitrification and Rotary Kiln Incineration for Soils Treatment.
PB92-113174/REB 92-01 PC **A02**/MF **A01**

Comparison of In vivo Cholinesterase Inhibition in Neonatal and Adult Rats by Three Organophosphorothioate Insecticides.
PB92-110550/REB 92-01 PC **A03**/MF **A01**

Comparison of Methods for Determination of Dissolved Inorganic Carbon (DIC).
PB92-179712/REB 92-01 PC **A03**/MF **A01**

Comparison of Organic Emissions from Laboratory and Full-Scale Thermal Degradation of Sewage Sludge.
PB92-136852/REB 92-01 PC **A03**/MF **A01**

Comparison of Screening Approaches, 1992.
PB92-189042/REB 92-01 PC **A03**/MF **A01**

Comparison of SIMCA Pattern Recognition and Library Search Identification of Hazardous Compounds from Mass Spectra.
PB92-227362/REB 92-04 PC **A03**/MF **A01**

Comparison of Solidification/Stabilization Processes for Treatment of Municipal Waste Combustion Residues. Part 2. Leaching Properties.
PB92-121201/REB 92-01 PC **A03**/MF **A01**

Comparison of Subchronic Neurotoxicity of 2-Hydroxyethyl Acrylate and Acrylamide in Rats.
PB92-188945/REB 92-01 PC **A03**/MF **A01**

Comparison of the Incineration of Medical Waste with Hazardous and Municipal Waste.
PB92-217090/REB 92-04 PC **A03**/MF **A01**

Comparison: Organic Emissions from Hazardous Waste Incinerators versus the 1990 Toxics Release Inventory Air Releases.
PB92-206267/REB 92-04 PC **A03**/MF **A01**

Comparisons of the Effects of TCDD and Hydrocortisone on Growth Factor Expression Provide Insight into Their Interaction in the Embryonic Mouse Palate.
PB92-158641/REB 92-01 PC **A03**/MF **A01**

Compendium of CERCLA ARARs fact sheets and directives.
DE92004878/REB 92-01 PC **A12**/MF **A03**

Compendium of ERT Air Sampling Procedures.
PB92-963406/REB 92-04 PC **A07**/MF **A02**

Compendium of ERT Field Analytical Procedures.
PB92-963405/REB 92-04 PC **A05**/MF **A01**

Compensatory Alterations in Receptor-Stimulated Phosphoinositide Hydrolysis in the Hippocampus Vary as a Function of Dose of Colchicine.
PB92-110501/REB 92-01 PC **A02**/MF **A01**

Compilation of Air Pollutant Emission Factors. Volume 1. Stationary Point and Area Sources. Fourth Edition. Supplement D.
PB92-126945/REB 92-01 PC **A07**/MF **A02**

Compilation of Current Practices at Land Disposal Facilities: Summary of Liner and Leak Detection Designs, Action Leakage Rates, Response Action Plans, and Management of Liquids in Landfills.
PB92-128206/REB 92-01 PC **A08**/MF **A02**

Compilation of Water Quality Standards for Marine Waters.
PB92-231836/REB 92-04 PC **A99**

Complex Effluent Toxicity Information System (CETIS) (for Microcomputers).
PB92-501899/REB 92-01 CP **D04**

Compliance Concerns with the New Coliform Regulation.
PB92-179696/REB 92-01 PC **A02**/MF **A01**

Composition of Motor Vehicle Organic Emissions under Elevated Temperature Summer Driving Conditions (75 to 105 deg F).
PB92-166693/REB 92-01 PC **A02**/MF **A01**

Compound-Induced Alterations of Sexual Differentiation: A Review of Effects in Humans and Rodents.
PB92-158583/REB 92-01 PC **A03**/MF **A01**

Comprehensive Evaluation of a Field Test Kit for Lead.
PB92-179720/REB 92-01 PC **A03**/MF **A01**

Comprehensive List of Chesapeake Bay Basin Species.
PB92-222850/REB 92-04 PC **A07**/MF **A02**

Computational Studies of the 3-Dimensional Structure of Cyclopenta Polycyclic Aromatic Hydrocarbons Containing a Gulf Region.
PB92-150820/REB 92-01 PC **A03**/MF **A01**

Computer-Assisted Sperm Analysis of Rodent Epididymal Sperm Motility Using the Hamilton-Thorn Motility Analyzer.
PB92-165000/REB 92-01 PC **A03**/MF **A01**

Computerized Risk and Bioaccumulation System (Version 1.0).
PB92-114164/REB 92-01 PC **A03**/MF **A01**

Concentration and Transport of Polychlorinated Biphenyls in the Housatonic River between Great Barrington, Massachusetts, and Kent, Connecticut, 1984-88.
PB92-147719/REB 92-01 PC **A03**/MF **A01**

Concentration of Glial Fibrillary Acidic Protein Increases with Age in the Mouse and Rat Brain.
PB92-110535/REB 92-01 PC **A02**/MF **A01**

Concentration-Time Models for the Effects of Ozone on Bronchoalveolar Lavage Fluid Protein from Rats and Guinea Pigs.
PB92-150879/REB 92-01 PC **A03**/MF **A01**

Concentrations from Above-Roof Releases of Laboratory Exhausts: A Wind Tunnel Study.
PB92-164821/REB 92-01 PC **A03**/MF **A01**

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PB92-501774/REB 92-01 CP **D02**

Consolidated List of Chemicals Subject to Reporting under the Emergency Planning and Community Right-to-Know Act. (Title III of the Superfund Amendments and Reauthorization Act of 1986).
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Continuous Multiligand Distribution Model Used to Predict the Stability Constant of Cu(II) Metal Complexation with Humic Material from Fluorescence Quenching Data.
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Contracting and Subcontracting Guide to the Superfund Program.
PB92-963274/REB 92-04 PC **Free**

Contribution of Ammonia, Metals and Nonpolar Organic Compounds to the Toxicity of Sediment Interstitial Water from an Illinois River Tributary.
PB92-150648/REB 92-01 PC **A03**/MF **A01**

Control of Air Emissions from Materials Handling during Remediation. Engineering Bulletin.
PB92-180041/REB 92-01 PC **A02**/MF **A01**

Control of Alkaline Phosphatase Activity in C3H10T1/2 Cells: Role of Retinoic Acid and Cell Density.
PB92-198639/REB 92-04 PC **A03**/MF **A01**

Control of Aromatic Waste Air Streams by Soil Bioreactors.
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Control of VOC Emissions from Nonferrous Metal Rolling Processes.
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Control Technologies for Defunct lead Battery Recycling Sites: Overview and Recent Developments. Volume 3.
PB92-150416/REB 92-01 PC **A03**/MF **A01**

Control Technologies for Remediation of Contaminated Soil and Waste Deposits at Superfund Lead Battery Recycling Sites.
PB92-227388/REB 92-04 PC **A03**/MF **A01**

Control Technology Center FY91: A Fifth Year of Growth.
PB92-238468/REB 92-04 PC **A04**/MF **A01**

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PB92-166925/REB 92-01 PC **A03**/MF **A01**

Copper Toxicity to Sperm, Embryos and Larvae of Topsmelt 'Atherinops affinis', with Notes on Induced Spawning.
PB92-129808/REB 92-01 PC **A03**/MF **A01**

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Costs of Radon Diagnostics and Mitigation in School Buildings.
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PB92-145556/REB 92-01 PC **A11**/MF **A03**

Crosswalk/Air Toxic Emission Factor Data Base Management System (XATEF), (Version 1.2) (for Microcomputers).
PB92-501626/REB 92-01 CP **D02**

Current and Future Environmental Role of Atmospheric Methane: Model Studies and Uncertainties.
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Current Status of ADVACATE Process for Flue Gas Desulfurization (Journal Article).
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Customer/Supplier Accountability and Quality Assurance (QA) Program Implementation.
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PB92-114198/REB 92-01 PC **A01**/MF **A01**

Data Logging Systems for Monitoring Long-Term Radon Mitigation Experimental Programs in Schools and Other Large Buildings.
PB92-206580/REB 92-04 PC **A03**/MF **A01**

Data User's Guide to the United States Environmental Protection Agency's Long-Term Monitoring Project: Quality Assurance Plan and Data Dictionary.
PB92-239573/REB 92-04 PC **A06**/MF **A02**

Dealing with Toxic Polluted Sediments in the Great Lakes Basin.
AD-P006 908/8/REB 92-04 PC **A03**/MF **A01**

Debarment and Suspension.
PB92-963331/REB 92-01 PC **A01**/MF **A01**

Dechlorinations of Polychlorinated Biphenyls in Sediments of New Bedford Harbor.
PB92-121151/REB 92-01 PC **A03**/MF **A01**

Degreaser System Pollution Prevention Evaluation.
AD-A242 110/5/REB 92-01 PC **A06**/MF **A02**

Degreasing System Pollution Prevention Evaluation.
PB92-139443/REB 92-01 PC **A03**/MF **A01**

Demonstration of Fuel Cells to Recover Energy from Landfill Gas. Phase 1 Final Report: Conceptual Study.
PB92-137520/REB 92-01 PC **A05**/MF **A01**

Demonstration of in-Receiving Water Storage of Combined Sewer Overflows: In a Marine/Estuarine Environment by the Flow Balance Method.
PB92-158575/REB 92-01 PC **A02**/MF **A01**

Demonstration of Microfiltration Technology.
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Demonstration of Sorbent Injection Technology on a Wall-Fired Utility Boiler (Edgewater Limb Demonstration).
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Demonstration of Waste Treatment Technologies.
PB92-179670/REB 92-01 PC **A02**/MF **A01**

Dense Nonaqueous Phase Liquids: A Workshop Summary. Held in Dallas, Texas on April 16-18, 1991.
PB92-178938/REB 92-01 PC **A05**/MF **A01**

Deposition Patterns of Cigarette Smoke in Human Airways.
PB92-158682/REB 92-01 PC **A03**/MF **A01**

Deposition Patterns of Ragweed Pollen in the Human Respiratory Tract.
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Dermal Exposure Assessment: Principles and Applications.
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Design and Implementation of a Collaborative Study of the Mutagenicity of Complex Mixtures in 'Salmonella typhimurium'.
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Design and Optimization of a Refrigeration System.
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Design, Development, and Implementation of AIRS' Area and Mobile Source Subsystem.
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PB92-108125/REB 92-01 PC **A03**/MF **A01**

Determination of alpha-emitting nuclides of plutonium, americium and curium in environmental materials: Pt. 1. Sea water.
DE92614732/REB 92-01 PC **A03**/MF **A01**

Determination of Rates of Reaction in the Gas-Phase in the Troposphere. Theory and Practice. 3. Rate of Indirect Photoreaction.
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Determination of Rates of Reaction in the Gas-Phase in the Troposphere. Theory and Practice. 4. Rate of Indirect Photoreaction.
PB92-150382/REB 92-01 PC **A05**/MF **A01**

Detoxification of Pentachlorophenol and Creosote Contaminated Groundwater by Physical Extraction: Chemical and Biological Assessment.
PB92-129733/REB 92-01 PC **A02**/MF **A01**

Developing Sediments Quality Standards: Comprehensive Sediment Management in Puget Sound.
AD-P006 465/9/REB 92-01 PC **A03**/MF **A01**

Development Document for Best Available Technology, Pretreatment Technology, and New Source Performance Technology for the Pesticide Chemical Industry. Proposed. (Pesticide Chemicals Manufacturing Category Effluent Limitations Guidelines, Pretreatment Standards, and New Source Performance Standards).
PB92-173541/REB 92-01 PC **A21**/MF **A04**

Development Document for Effluent Limitations Guidelines and Standards and Pretreatment Standards for the Steam Electric: Point Source Category.
PB92-226422/REB 92-04 PC **A99**/MF **A06**

Development Document for Effluent Limitations Guidelines and Standards for the Gum and Wood Chemicals Manufacturing. Point Source Category.
PB92-232040/REB 92-04 PC **A12**/MF **A03**

Development Document for Effluent Limitations. Guidelines for the Electrical and Electronic Components. Point Source Category. Phase 2.
PB92-232016/REB 92-04 PC **A09**/MF **A02**

Development Document for Interim Final and Proposed Effluent Limitations Guidelines and New Source Performance Standards for the Fruits, Vegetables and Specialties. Segment of the Canned and Preserved Fruits and Vegetables. Point Source Category.
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Development Document for Interim Final and Proposed Effluent Limitations Guidelines and Proposed New Source Performance Standards for the Bleached Kraft, Groundwood, Sulfite, Soda, Deink, and Non-Integrated Paper Mills. Point Source Category. Volume 2. Sections 8 - 15.
PB92-231562/REB 92-04 PC **A13**/MF **A03**

Development Document for Interim Final and Proposed Effluent Limitations Guidelines and Proposed New Source Performance Standards for the Bleached Kraft, Groundwood, Sulfite, Soda, Deink and Non-Integrated Paper Mills. Volume 1. Segment of the Pulp, Paper, and Paperboard. Point Source Category. Group 1. Phase 2.
PB92-231869/REB 92-04 PC **A20**/MF **A04**

Development Document for Interim Final Effluent Limitations Guidelines and Proposed New Source Performance Standards for the Calcium Carbide Segment of the Ferroally Manufacturing. Point Source Category. Group 1, Phase 2.
PB92-231919/REB 92-04 PC **A05**/MF **A01**

Development Document for Interim Final Effluent Limitations Guidelines and Proposed New Source Performance Standards for the Explosives Manufacturing. Point Source Category. Group 2.
PB92-231950/REB 92-04 PC **A11**/MF **A03**

Development Document for Interim Final Effluent Limitations Guidelines and Proposed New Source Performance Standards for the Raw Cane Sugar Processing. Segment of the Sugar Processing. Point Source Category. Group 1, Phase 2.
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Development Document for Proposed Effluent Limitations Guidelines and Standards for Control of Polychlorinated Biphenyls in the Deink Subcategory of the Pulp, Paper and Paperboard. Point Source Category.
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Development Document for Proposed Effluent Limitations Guidelines and Standards for the Shipbuilding and Repair. Point Source Category.
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PB92-180868/REB 92-01 PC **A03**/MF **A01**

Development of a National Consensus Standard for Quality Assurance for Environmental Programs.
PB92-143783/REB 92-01 PC **A03**/MF **A01**

Development of a Solid Sample Analytical Procedure for Cyanide in Spent Ore. Final Technical Report.
PB92-203496/REB 92-04 PC **A11**/MF **A03**

Development of Alternate Performance Standard for Radon Resistant Construction Based on Short-Term/Long-Term Indoor Radon Concentrations. Volume 1. Technical Report.
PB92-115211/REB 92-01 PC **A05**/MF **A01**

Development of Alternate Performance Standard for Radon Resistant Construction Based on Short-Term/Long-Term Indoor Radon Concentrations. Volume 2. Appendices.
PB92-115229/REB 92-01 PC **A04**/MF **A01**

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PB92-152875/REB 92-01 PC **A06**/MF **A02**

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Development of Predictive Structure-Biodegradation Relationship Models with the Use of Respirometrically Generated Biokinetic Data.
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Developmental Document for Effluent Limitations Guidelines and New Source Performance Standards for the Other Non-Fertilizer Phosphate Chemicals Segment of the Phosphate Manufacturing. Point Source Category. Group 1, Phase 2.
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Developmental Malformation of Frog Embryos: An Analysis of Teratogenicity of Chemical Mixtures.
PB92-108190/REB 92-01 PC **A02**/MF **A01**

Developmental Neurotoxicology of Polychlorinated Biphenyls and Related Compounds.
PB92-206549/REB 92-04 PC **A03**/MF **A01**

Developmental Toxicity of Bromoxynil in Mice and Rats.
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Diatoms: Powerful Indicators of Environmental Change.
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Dioxin and Furan Concentrations in Puget Sound Crabs. Puget Sound Estuary Program.
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Direct/Delayed Response Project: Future Effects of Long-Term Sulfur Deposition on Stream Chemistry in the Mid-Appalachian Region of the Eastern United States.
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PB92-143882/REB 92-01 PC **A02**/MF **A01**

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Disposition of 2,3,7,8-Tetrabromodibenzo-p-Dioxin and 2,3,7,8-Tetrachlorodibenzo-p-dioxin in the Rat: Biliary Excretion and Induction of Cytochromes CYP1A1 and CYP1A2.
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DNA Adducts in Rat Lung, Liver and Peripheral Blood Lymphocytes Produces by i.p. Administration of Benzo(a)Pyrene Metabolites and Derivatives.
PB92-124627/REB 92-01 PC **A01**/MF **A01**

DNA Adducts of the Antitumor Agent Diaziquone.
PB92-150739/REB 92-01 PC **A02**/MF **A01**

DNA Strand Breaks Induced in Cultured Human and Rodent Cells by Chlorohydroxyfuranones, Mutagens Isolated from Drinking Water.
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PB92-231570/REB 92-04 PC **A05**

Dynamics of Behavioral Thermoregulation in the Rat.
PB92-124619/REB 92-01 PC **A02**/MF **A01**

ECO Update: Ecological Assessment of Superfund Sites. An Overview. Volume 1, Number 2, December 1991.
PB92-963335/REB 92-01 PC **A02**/MF **A01**

ECO Update: The Role of BTAGs in Ecological Assessment. Volume 1, Number 1, September 1991.
PB92-963337/REB 92-01 PC **A02**/MF **A01**

ECO Update. Volume 1, Number 3. The Role of Natural Resource Trustees in the Superfund Process.
PB92-963369/REB 92-04 PC **A03**/MF **A01**

ECO Update. Volume 1, Number 4. Developing a Work Scope for Ecological Assessments.
PB92-963370/REB 92-04 PC **A03**/MF **A01**

ECO Update. Volume 1, Number 5, August 1992. Briefing the BTAG: Initial Description of Setting, History, and Ecology of a Site.
PB92-963374/REB 92-04 PC **A03**/MF **A01**

Ecological Indicators. Proceedings of an International Symposium. Held in Fort Lauderdale, Florida on October 16-19, 1990.
PB92-114131/REB 92-01 PC **A99**/MF **E99**

Ecological Regions versus Hydrologic Units: Frameworks for Managing Water Quality.
PB92-153873/REB 92-01 PC **A02**/MF **A01**

Economic Impact Analysis of Effluent Limitations and Standards for the Battery Manufacturing Industry.
PB92-231901/REB 92-04 PC **A08**/MF **A02**

Economic Impact Analysis of Proposed Effluent Limitations Guidelines and Standards for the Pesticide Manufacturing Industry.
PB92-173533/REB 92-01 PC **A15**/MF **A03**

Economic Impact Analysis of Regulatory Controls in the Dry Cleaning Industry.
PB92-126770/REB 92-01 PC **A11**/MF **A03**

Economic Incentives: Options for Environmental Protection.
PB92-224831/REB 92-04 PC **A07**/MF **A02**

Educating Managers about Quality through Customer-Supplier Understanding. Overview of Current Training Initiatives in Energy and Environmental Programs. Annual National Energy and Environmental Quality Division Conference (19th).
PB92-217116/REB 92-04 PC **A03**/MF **A01**

Effect of Bioremediation on the Mutagenicity of Oil Spilled in Prince William Sound, Alaska.
PB92-206374/REB 92-04 PC **A02**/MF **A01**

Effect of Inhaled Methanol on Pituitary and Testicular Hormones in Chamber Acclimated and Non-Acclimated Rats.
PB92-150788/REB 92-01 PC **A03**/MF **A01**

Effect of Natural Ventilation on Radon and Radon Progeny Levels in Houses.
PB92-124148/REB 92-01 PC **A03**/MF **A01**

Effect of Nitrate Addition on Biorestoration of Fuel-Contaminated Aquifer: Field Demonstration.
PB92-110444/REB 92-01 PC **A03**/MF **A01**

Effect of Pentachlorophenol on the Activation of 2,6-Dinitrotoluene to Genotoxic Urinary Metabolites in CD-1 Mice: A Comparison of GI Enzyme Activities and Urine Mutagenicity.
PB92-150895/REB 92-01 PC **A03**/MF **A01**

Effect of Sodium Chloride on Transport of Bacteria in a Saturated Aquifer Material.
PB92-110428/REB 92-01 PC **A02**/MF **A01**

Effect of Storage Conditions on Handling and SO2 Reactivity of Ca(OH)2-Based Sorbents.
PB92-124270/REB 92-01 PC **A02**/MF **A01**

Effect of Sub-Grid-Scale Rainfall Analysis on Sulfate Wet Deposition Estimates in the Regional Lagrangian Model of Air Pollution (RELMAP).
PB92-158526/REB 92-01 PC **A02**/MF **A01**

Effect of the Geochemical Environment on Heavy-Metal Transport in Ground Water.
PB92-179134/REB 92-01 PC **A03**/MF **A01**

Effect of the Method of Preparing Monochloramine upon Inactivation of MS2 Coliphage, 'Escherichia coli', and 'Klebsiella pneumoniae'.
PB92-217355/REB 92-04 PC **A02**/MF **A01**

Effects of a Contaminated Sediment on Life History Traits and Population Growth Rate of 'Neanthes Arenaceodentata' (Polychaeta: Nereidae) in the Laboratory.
PB92-108059/REB 92-01 PC **A03**/MF **A01**

Effects of Aqueous and Dietary Exposure of Dieldrin on Survival, Growth and Bioconcentration in Mallard Ducklings.
PB92-217413/REB 92-04 PC **A03**/MF **A01**

Effects of Building Features on Indoor Air and Pollutant Movements.
PB92-153808/REB 92-01 PC **A03**/MF **A01**

Effects of Chemically Induced Maternal Toxicity on Prenatal Development in the Rat.
PB92-150887/REB 92-01 PC **A02**/MF **A01**

Effects of El Nino and La Nina on Seabird Assemblages in the Equatorial Pacific.
PB92-217405/REB 92-04 PC **A03**/MF **A01**

Effects of Fenvalerate on the Early Life Stages of Topsmelt ('Atherinops affinis').
PB92-195684/REB 92-04 PC **A02**/MF **A01**

Effects of Glean, a Sulfonylurea Herbicide, on the Reproductive Biology and Fruit Set in Cherry Trees. Progress Report to Region 10.
PB92-142652/REB 92-01 PC **A03**/MF **A01**

Effects of Heavy Industrial Pollution on Respiratory Function in the Children of Cubatao, Brazil: A Preliminary Report.
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Effects of Low Dissolved Oxygen on Survival, Growth and Reproduction of 'Daphnia', 'Hyalella' and 'Gammarus'.
PB92-188846/REB 92-01 PC **A02**/MF **A01**

Effects of Natural and Forced Basement Ventilation on Radon Levels in Single Family Dwellings.
PB92-192194/REB 92-01 PC **A04**/MF **A01**

Effects of NGF and Fetal Cell Transplants on Spatial Learning after Intradentate Administration of Colchicine.
PB92-150770/REB 92-01 PC **A03**/MF **A01**

Effects of Open-Top Chambers on 'Valencia' Orange Trees.
PB92-180355/REB 92-01 PC **A02**/MF **A01**

Effects of Operating Variables on PAH Emissions and Mutagenicity of Emissions from Woodstoves (Journal Article).
PB92-195809/REB 92-01 PC **A02**/MF **A01**

Effects of Ozone on Crops.
PB92-136845/REB 92-01 PC **A03**/MF **A01**

Effects of PCB (Aroclor (Trade Name) 1254) on Non-Specific Immune Parameters in Rhesus ('Macaca mulatta') Monkeys.
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PB92-143684/REB 92-01 PC **A03**/MF **A01**

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PB92-180314/REB 92-01 PC **A02**/MF **A01**

Effects of Section 404 Permitting on Freshwater Wetlands in Louisiana, Alabama, and Mississippi.
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Effects of Triadimefon on a Multiple Schedule of Fixed-Interval Performance: Comparison with Methylphenidate, d-Amphetamine and Chlorpromazine.
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PB92-113109/REB 92-01 PC **A03**/MF **A01**

Efficient Multiple-Exposure Analysis of the Toxicity of Crisnatol: A DNA Intercalator in Phase 2 Clinical Trials.
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Electric and Magnetic Fields Near AM Broadcast Towers.
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Electrostatic Precipitator V-I (ESPVI 4.0) and Performance Prediction Model (for Microcomputers).
PB92-502251/REB 92-04 CP **D02**

Embryonic Palatal Responses to Teratogens in Serum-Free Organ Culture.
PB92-188960/REB 92-01 PC **A03**/MF **A01**

Emergency Exemptions under Section 18 of the Federal Insecticide Fungicide and Rodenticide Act. 1. Guidance for State and Federal Agencies.
PB92-183235/REB 92-04 PC **A03**/MF **A01**

Emergency Exemptions under Section 18 of the Federal Insecticide Fungicide and Rodenticide Act. 2. Instructions for Submission of Emergency Exemption Applications.
PB92-183243/REB 92-04 PC **A03**/MF **A01**

Emergency Planning and Community Right-to-Know Act: Section 313 Release Reporting Requirements.
PB92-226216/REB 92-04 PC **A03**/MF **A01**

Emission Factor Documentation for AP-42 Section 2.1.1., Municipal Waste Combustion.
PB92-152867/REB 92-01 PC **A15**/MF **A03**

Emission Factor Documentation for AP-42 Section 2.5, Sewage Sludge Incineration.
PB92-152834/REB 92-01 PC **A05**/MF **A01**

Emission Inventory Requirements for Carbon Monoxide State Implementation Plans, 1991.
PB92-112150/REB 92-01 PC **A05**/MF **A01**

Emission Inventory Requirements for Ozone State Implementation Plans.
PB92-118017/REB 92-01 PC **A06**/MF **A02**

Emissions and Fuel Economy Effects of the Platinum Gasaver, a Retrofit Device.
PB92-104421/REB 92-01 PC **A03**/MF **A01**

Emissions and Fuel Economy of DOE Flex-Fuel Vehicles.
PB92-153055/REB 92-01 PC **A03**/MF **A01**

Emissions of Metals, Chromium and Nickel Species, and Organics from Municipal Wastewater Sludge Incinerators.
PB92-151547/REB 92-01 PC **E99**/MF **E99**

Emissions of Metals, Chromium and Nickel Species, and Organics from Municipal Wastewater Sludge Incinerators. Volume 1. Summary Report.
PB92-151554/REB 92-01 PC **A04**/MF **A01**

Emissions of Metals, Chromium and Nickel Species, and Organics from Municipal Wastewater Sludge Incinerators. Volume 2. Site 5 Emission Test Report Hexavalent Chromium Method Evaluation.
PB92-151562/REB 92-01 PC **A05**/MF **A01**

Emissions of Metals, Chromium and Nickel Species, and Organics from Municipal Wastewater Sludge Incinerators. Volume 3. Site 6 Emissions Test Report.
PB92-151570/REB 92-01 PC **A07**/MF **A02**

Emissions of Metals, Chromium and Nickel Species, and Organics from Municipal Wastewater Sludge Incinerators. Volume 4. Site 6 Emission Test Report - Appendices.
PB92-151588/REB 92-01 PC **A13**/MF **A03**

Emissions of Metals, Chromium and Nickel Species, and Organics from Municipal Wastewater Sludge Incinerators. Volume 5. Site 7 Test Report CEMS Evaluation.
PB92-151596/REB 92-01 PC **A03**/MF **A01**

Emissions of Metals, Chromium and Nickel Species, and Organics from Municipal Wastewater Sludge Incinerators. Volume 6. Site 8 Emission Test Report.
PB92-151604/REB 92-01 PC **A07**/MF **A02**

Emissions of Metals, Chromium and Nickel Species, and Organics from Municipal Wastewater Sludge Incinerators. Volume 7. Site 8 Emission Test Report - Appendices.
PB92-151612/REB 92-01 PC **A16**/MF **A03**

Emissions of Metals, Chromium and Nickel Species, and Organics from Municipal Wastewater Sludge Incinerators. Volume 8. Site 9 Emission Test Report.
PB92-151620/REB 92-01 PC **A08**/MF **A02**

Emissions of Metals, Chromium and Nickel Species, and Organics from Municipal Wastewater Sludge Incinerators. Volume 9. Site 9 Emission Test Report - Appendices.
PB92-151638/REB 92-01 PC **A99**/MF **A06**

EMPA Monitor - March 1992 Edition.
PB92-239557/REB 92-04 PC **A03**/MF **A01**

Enabling Document for New Source Performance Standards for Air Oxidation Processes and Distillation Operations in the Synthetic Organic Chemical Manufacturing Industry.
PB92-161967/REB 92-01 PC **A04**/MF **A01**

Enabling Document for Regulations Governing Compliance Extensions for Early Reductions of Hazardous Air Pollutants.
PB92-180132/REB 92-01 PC **A07**/MF **A02**

Energy Use of Ice Making in Domestic Refrigerators.
PB92-232206/REB 92-04 PC **A03**/MF **A01**

Enforcement Document Retrieval System (EDRS) - ASCII (1972-November 1991).
PB92-592210/REB 92-01 Subscription

Enforcement Document Retrieval System (EDRS) - EBCDIC (1972-November 1991).
PB92-592220/REB 92-01 Subscription

Enforcement Document Retrieval System (EDRS) Master File (1972-April 1992).
PB92-592380/REB 92-01 Subscription$1,440.00

Enforcement Document Retrieval System (EDRS) Update File (November 14, 1991 to April 22, 1992).
PB92-592390/REB 92-01 CP **T99**

Enforcement in the 1990's Project: Recommendations of the Analytical Workgroups.
PB92-224286/REB 92-04 PC **A17**/MF **A04**

Enhance and Prolonged Pulmonary Influenza Virus Infection Following Phosgene Inhalation.
PB92-124650/REB 92-01 PC **A03**/MF **A01**

Enhanced Neurotoxicity of 3,3'-Iminodipropionitrile Following Pretreatment with Carbon Tetrachloride in the Rat.
PB92-113323/REB 92-01 PC **A03**/MF **A01**

Enhanced Ozone Monitoring Network Design and Siting Criteria Guidance Document.
PB92-145390/REB 92-01 PC **A04**/MF **A01**

Environmental Crisis in the Gulf. The U.S. Response.
PB92-226182/REB 92-04 PC **A03**/MF **A01**

Environmental Factors Correlated to Dichlorophenol Dechlorination in Anoxic Freshwater Sediments.
PB92-124346/REB 92-01 PC **A03**/MF **A01**

Environmental Gases.
PB92-227313/REB 92-04 PC **A06**/MF **A02**

Environmental Guidance: For Very Small Communities.
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Environmental Laws and Regulations Relating to Medical Waste Disposal.
PB92-217249/REB 92-04 PC **A03**/MF **A01**

Environmental Monitoring and Assessment Program (EMAP) Design Report.
PB92-103449/REB 92-01 PC **A04**/MF **A01**

Environmental Monitoring and Assessment Program: Surface Waters Implementation Plan - Northeast Pilot Lake Survey, Summer 1991.
PB92-139948/REB 92-01 PC **A05**/MF **A01**

Environmental Monitoring and Assessment Program: 1991 Project Descriptors.
PB92-114479/REB 92-01 PC **A06**/MF **A02**

Environmental Profiles and Hazard Indices for Constituents of Municipal Sludge: Beryllium.
PB92-122993/REB 92-01 PC **A03**/MF **A01**

Environmental Profiles and Hazard Indices for Constituents of Municipal Sludge: DDT/DDE/DDD.
PB92-150408/REB 92-01 PC **A05**/MF **A01**

Environmental Profiles and Hazard Indices for Constituents of Municipal Sludge: Lead.
PB92-122985/REB 92-01 PC **A05**/MF **A01**

Environmental Profiles and Hazard Indices for Constituents of Municipal Sludge: Mercury.
PB92-122977/REB 92-01 PC **A05**/MF **A01**

Environmental Profiles and Hazard Indices for Constituents of Municipal Sludge: Nickel.
PB92-123009/REB 92-01 PC **A05**/MF **A01**

Environmental Protection Agency Civil Enforcement Docket.
PB92-921700/REB 92-01 Subscription

Environmental Protection Agency's Municipal Solid Waste Landfill Liner Design Criteria.
PB92-153766/REB 92-01 PC **A02**/MF **A01**

Environmental Radiation Data. Report 63, July-September 1990.
PB92-164706/REB 92-01 PC **A03**/MF **A01**

Environmental Tobacco Smoke: Measuring Exposures and Assessing Health Effects.
PB92-223262/REB 92-04 PC **A15**/MF **A03**

EPA (Environmental Protection Agency) Publications Bibliography, Quarterly Abstract Bulletin.
PB92-904200/REB 92-01 Subscription

EPA Journal Holdings Report, 1991.
PB92-132810/REB 92-01 PC **A12**/MF **A03**

EPA Journal Holdings Report, 1992.
PB92-217728/REB 92-04 PC **A12**/MF **A03**

EPA Publications Bibliography 1984-1990. Part 1. Report Summaries. Part 2. Indexes.
PB91-205500/REB 92-01 PC**$200.00**

EPA's Control Technology Center: Technical Support to Federal, State, and Local Agencies.
PB92-198233/REB 92-04 PC **A02**/MF **A01**

EPA's Environmental Monitoring and Assessment Program: An Ecological Status and Trends Program.
PB92-121169/REB 92-01 PC **A03**/MF **A01**

EPA's Pesticide Programs.
PB92-233147/REB 92-04 PC **A03**/MF **A01**

EPA's Research Projects Relating to the Dual-Circuit and Lorenz Refrigerator/Freezers.
PB92-150630/REB 92-01 PC **A01**/MF **A01**

EPA's Review and Approval Procedure for State Submitted TMDLs/WLAs.
PB92-231588/REB 92-04 PC **A03**/MF **A01**

EPA SITE Demonstration of the BioTrol Soil Washing Process.
PB92-150655/REB 92-01 PC **A03**/MF **A01**

EPA SITE Demonstration of the Horsehead Resource Development Company Flame Reactor Technology.
PB92-139401/REB 92-01 PC **A02**/MF **A01**

EPCRA Section 313 Roadmaps Database. User's Manual. (Version 2.2) (for Microcomputers).
PB92-169523/REB 92-01 PC **A05**/MF **A01**

Epoxide Ring Opening and Related Reactivities of Cyclopenta Polycyclic Aromatic Hydrocarbons: Quantum Mechanical Studies.
PB92-179795/REB 92-01 PC **A02**/MF **A01**

Equilibrium-Analysis of Projected Climate Change Effects on the Global Soil Organic Matter Pool.
PB92-153022/REB 92-01 PC **A03**/MF **A01**

ESP VI 4.0 Electrostatic Precipitator VI and Performance Prediction Model.
PB92-169614/REB 92-04 PC **A05**/MF **A01**

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PB92-217165/REB 92-04 PC **A03**/MF **A01**

Estimating Critical Loads of Sulfate to Surface Waters in the Northeastern United States: A Comparative Assessment of Three Procedures for Estimating Critical Loads of Sulfate for Lakes.
PB92-119015/REB 92-01 PC **A03**/MF **A01**

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PB92-129592/REB 92-01 PC **A03**/MF **A01**

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PB92-124320/REB 92-01 PC **A03**/MF **A01**

Estimation of Water Solubility and Octanol/Water Partition Coefficient of Hydrophobic Dyes. Part 2. Reverse-Phase High Performance Liquid Chromatography.
PB92-124338/REB 92-01 PC **A02**/MF **A01**

Ethalfluralin Position Document 1/2/3/4.
PB92-114263/REB 92-01 PC **A02**/MF **A01**

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PB92-963346/REB 92-04 PC **A03**/MF **A01**

Evaluation of Ground-Water Extraction Remedies: Phase 2. Volume 2. Case Studies and Updates.
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PB92-136878/REB 92-01 PC **A02**/MF **A01**

Evaluation of Wetland Development and Waterbird Response at Elk Creek Wildlife Management Area, Lake Mills, Iowa, 1961 to 1990.
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Evaluation of 10 Chemicals for Aneuploidy Induction in the Hexaploid Wheat Assay.
PB92-113307/REB 92-01 PC **A02**/MF **A01**

Evaporation Rate of Volatile Liquids. Final Report, Second Edition.
PB92-232305/REB 92-04 PC **A09**/MF **A02**

Examination of the Anticonvulsant Properties of Voltage-Sensitive Calcium Channel Inhibitors in Amygdala Kindled Seizures.
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PB92-217454/REB 92-04 PC **A05**/MF **A01**

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PB92-150432/REB 92-01 PC **A02**/MF **A01**

Expert Systems Show Promise for Customer Inquiries. Management and Operations.
PB92-166636/REB 92-01 PC **A02**/MF **A01**

Exposure and Release Estimations for Filter Press and Tray Dryer Operations Based on Pilot Plant Data.
PB92-158450/REB 92-01 PC **A14**/MF **A03**

Exposure Assessment Modeling for Hydrocarbon Spills into the Subsurface: Sensitivity to Soil Properties.
PB92-191147/REB 92-01 PC **A03**/MF **A01**

Exposure of Humans to a Volatile Organic Mixture. 1. Behavioral Assessment.
PB92-189018/REB 92-01 PC **A02**/MF **A01**

*Exposure of Humans to a Volatile Organic Mixture. 2. Sen*sory.
PB92-164888/REB 92-01 PC **A03**/MF **A01**

Exposure of Humans to a Volatile Organic Mixture. 3. Inflammatory Response.
PB92-217223/REB 92-04 PC **A02**/MF **A01**

Extraction of Mercury from Groundwater Using Immobilized Algae.
PB92-121367/REB 92-01 PC **A02**/MF **A01**

Eyeblink Conditioning in the Developing Rat.
PB92-232982/REB 92-04 PC **A03**/MF **A01**

Facilitated Transport of Inorganic Contaminants in Ground Water: Part 2. Colloidal Transport.
PB92-114503/REB 92-01 PC **A03**/MF **A01**

Facility Pollution Prevention Guide.
PB92-213206/REB 92-04 PC **A08**/MF **A02**

Fate of 'Bacillus sphaericus' 2362 Spores Following Ingestion by Nontarget Invertebrates.
PB92-129774/REB 92-01 PC **A03**/MF **A01**

Fate of Commercial Disperse Dyes in Sediments.
PB92-101401/REB 92-01 PC **A03**/MF **A01**

Fate of Polychlorinated Biphenyls (PCBs) in Soil Following Stabilization with Quicklime.
PB92-114487/REB 92-01 PC **A07**/MF **A02**

Feasibility of Including Regional and Temporal VOC Emissions Estimates in the EPA Emissions Trends Report.
PB92-216910/REB 92-04 PC **A04**/MF **A01**

Feline Bronchopulmonary Disease.
PB92-126879/REB 92-01 PC **A03**/MF **A01**

Fetal and Maternal Effects of Continual Exposure of Rats to 970-MHz Circularly-Polarized Microwaves.
PB92-227602/REB 92-04 PC **A03**/MF **A01**

Field Demonstration of the Linde Oxygen Combustion System on the EPA Mobile Incinerator.
PB92-188838/REB 92-01 PC **A02**/MF **A01**

Field Performance of Woodburning and Coalburning Appliances in Crested Butte during the 1989-90 Heating Season.
PB92-106921/REB 92-01 PC **A08**/MF **A02**

Field Performance of Woodburning Stoves in Crested Butte, Colorado.
PB92-113133/REB 92-01 PC **A03**/MF **A01**

Field Studies for Control of Organics and Disinfection By-Products.
PB92-124205/REB 92-01 PC **A03**/MF **A01**

Field-Testing Distribution Water Quality Models.
PB92-113182/REB 92-01 PC **A03**/MF **A01**

Field Testing Pesticide Transport Models at a Cooperative Test Site Near Plains, Georgia.
PB92-150473/REB 92-01 PC **A02**/MF **A01**

Final Quality Assurance Report for the Tampa, Florida Wetlands Study.
PB92-113000/REB 92-01 PC **A09**/MF **A03**

Fine Pore (Fine Bubble) Aeration Systems.
PB92-150366/REB 92-01 PC **A04**/MF **A01**

Fiscal Year 1991 Summary Report of NOAA Atmospheric Sciences Modeling Division Support to the U.S. Environmental Protection Agency.
PB92-217835/REB 92-04 PC **A05**/MF **A01**

Fish and Chemistry Data for the Upper Peninsula of Michigan Report (for Microcomputers).
PB92-503085/REB 92-04 CP **D02**

Fish Communities in Lakes in Subregion 2B (Upper Peninsula of Michigan) in Relation to Lake Acidity. Volume 1 and Volume 2: Appendices. Data Tape Documentation.
PB92-169630/REB 92-04 PC **A11**/MF **A03**

Florida Radon Research Program: Technical Support for the Development of Radon Resistant Construction Standards.
PB92-108109/REB 92-01 PC **A03**/MF **A01**

Fluid Modeling Simulation of Stack-Tip Downwash for Neutrally Buoyant Plumes.
PB92-166644/REB 92-01 PC **A03**/MF **A01**

Fluorescence Techniques for Metal-Humic Interactions.
PB92-101369/REB 92-01 PC **A03**/MF **A01**

Foliar Injury Symptoms and Pigment Concentrations in Red Spruce Saplings in the Southern Appalachians.
PB92-113216/REB 92-01 PC **A02**/MF **A01**

Forest Health Monitoring, New England, 1990. Annual Report.
PB92-113018/REB 92-01 PC **A07**/MF **A02**

Forest Health Monitoring Plot Design and Logistics Study.
PB92-118447/REB 92-01 PC **A06**/MF **A02**

Forest Soil Response to Acid and Salt Additions of Sulfate. 1. Sulfur Constituents and Net Retention.
PB92-108182/REB 92-01 PC **A03**/MF **A01**

Forest Soil Response to Acid and Salt Additions of Sulfate: 2. Aluminum and Base Cations.
PB92-150549/REB 92-01 PC **A03**/MF **A01**

Forest Soil Response to Acid and Salt Additions of Sulfate: 3. Solubilization and Composition of Dissolved Organic Carbon.
PB92-150564/REB 92-01 PC **A03**/MF **A01**

Formation of Disinfection By-Products.
PB92-124221/REB 92-01 PC **A02/MF A01**

Formation of Hemoglobin Adducts of Acrylamide and Its Epoxide Metabolite Glycidamide in the Rat.
PB92-150523/REB 92-01 PC **A03/MF A01**

Formation of Transconjugants on Plating Media Following 'In situ' Conjugation Experiments.
PB92-180330/REB 92-01 PC **A02/MF A01**

Forum on Innovative Hazardous Waste Treatment Technologies (3rd): Domestic and International. Held in Dallas, Texas on June 11-13, 1991. Abstract Proceedings.
PB92-233881/REB 92-04 PC **A05/MF A01**

Forum on Innovative Hazardous Waste Treatment Technologies (3rd): Domestic and International. Held in Dallas, Texas on June 11-13, 1991. Technical Papers.
PB92-219732/REB 92-04 PC **A22/MF A04**

Fractionation of Complex Combustion Mixtures Using an Ion-Exchange Methodology.
PB92-126887/REB 92-01 PC **A02/MF A01**

Fuel Cell Energy Recovery from Landfill Gas.
PB92-121235/REB 92-01 PC **A03/MF A01**

PB92-150614/REB 92-01 PC **A03/MF A01**

Fuel Rich Sulfur Capture in a Combustion Environment.
PB92-205228/REB 92-04 PC **A02/MF A01**

Fuel Volatility Effects on Exhaust Emissions.
PB92-110014/REB 92-01 PC **A03/MF A01**

Full-Scale Laboratory Simulation Facility to Test Particulate and Organic Emissions from a Third World Residential Combustion Process. III Evaluation of a Potential Technique for the Control of Emissions from the Indoor, Open Hearth Combustion of Coal.
PB92-206499/REB 92-04 PC **A03/MF A01**

Full-Scale Laboratory Simulation Facility to Test Particulate and Organic Emissions from a Third World Residential Combustion Process. 1. Facility Description and Results of Tests of Three Rural China Residential Coals, a U.S. Coal, and Wood.
PB92-206598/REB 92-04 PC **A03/MF A01**

Fundamentals of Ground-Water Modeling. Ground Water Issue.
PB92-232354/REB 92-04 PC **A03/MF A01**

Fungicide Benomyl(Methyl 1-(Butylcarbamoyl)-2-Benzimidazolecarbamate) Causes Testicular Dysfunction by Inducing the Sloughing of Germ Cells and Occlusion of Efferent Ductules.
PB92-150796/REB 92-01 PC **A03/MF A01**

Fuzzy Logic Control of AC Induction Motors.
PB92-180207/REB 92-01 PC **A02/MF A01**

FY 1992 Themes for Regional Coordination to Support Continuous Improvements of Superfund's Remedial Program.
PB92-963368/REB 92-04 PC **A02/MF A01**

GAC Adsorption of a Mixture of Natural Organic Matter and VOCs in the Presence and Absence of Molecular Oxygen.
PB92-153782/REB 92-01 PC **A03/MF A01**

Gas Chromatographic Elution Patterns of Chlorinated Dioxins versus Column Polarity.
PB92-192186/REB 92-01 PC **A02/MF A01**

Gene Probe for PO Messenger RNA Used to Index Acrylamide Toxic Neuropathy in Rats.
PB92-143957/REB 92-01 PC **A03/MF A01**

General Information on Applying for Registration of Pesticides in the United States. Second Edition.
PB92-221811/REB 92-04 PC **A13/MF A03**

General Information on Applying for Registration of Pesticides in the United States. Second Edition (for Microcomputers).
PB92-504356/REB 92-04 CP **D02**

General Methods for Remedial Operations Performance Evaluations.
PB92-166842/REB 92-01 PC **A03/MF A01**

Generation of Recombinant Baculovirus via Liposome-Mediated Transfection.
PB92-143973/REB 92-01 PC **A01/MF A01**

Genetic Activity Profile Database.
PB92-189091/REB 92-01 PC **A02/MF A01**

Genotoxic Effects of Complex Marine Sediment Extracts on V79 Chinese Hamster Lung Fibroblasts.
PB92-121318/REB 92-01 PC **A02/MF A01**

Genotoxicity in Mouse Lymphoma Cells of Chemicals Capable of Michael Addition.
PB92-120484/REB 92-01 PC **A02/MF A01**

Genotoxicity of Industrial Wastes and Effluents. A Review.
PB92-227594/REB 92-04 PC **A03/MF A01**

Geomembrane Anchorage Behavior Using a Large Scale Pullout Apparatus.
PB92-217124/REB 92-04 PC **A03/MF A01**

GIS Technical Memorandum 3: Global Positioning Systems Technology and Its Application in Environmental Programs.
PB92-169358/REB 92-01 PC **A04/MF A01**

Global Assessment of Promising Forest Management Practices for Sequestration of Carbon.
PB92-153006/REB 92-01 PC **A03/MF A01**

Global Carbon Cycle and Climate Change.
PB92-153741/REB 92-01 PC **A03/MF A01**

Global Carbon Cycle and Climate Change: Responses and Feedbacks from Below-Ground Systems.
PB92-121359/REB 92-01 PC **A03/MF A01**

Global Ecosystems Database. Version 0.1 (Beta-test). EPA Global Climate Research Program. NOAA/NGDC Global Change Database Program. Prototype 1. Database Documentation. NGDC Key to Geophysical Records Documentation No. 25.
PB92-122803/REB 92-01 PC **A16/MF A03**

Granular Activated Carbon Treatment. Engineering Bulletin.
PB92-180058/REB 92-01 PC **A02/MF A01**

Greenhouse Gases from Small-Scale Combustion in Developing Countries: A Pilot Study in Manila.
PB92-139369/REB 92-01 PC **A04/MF A01**

Gridded Model Information Support System (GMISS) User's Guide. Volume 3. Model Concentration Data Retrieval Subsystem.
PB92-190263/REB 92-01 PC **A05/MF A01**

Ground Water and Soil Contamination Remediation: Toward Compatible Science, Policy, and Public Perception. Report on a Colloquium Sponsored by the Water Science and Technology Board, Colloquium 5 of a Series.
PB92-224179/REB 92-04 PC **A12/MF A03**

Ground-Water Issue: The Effects of Well Casing Material on Ground Water-Quality.
PB92-224724/REB 92-04 PC **A03/MF A01**

Ground Water Models: Scientific and Regulatory Applications.
PB92-224138/REB 92-04 PC **A14/MF A03**

Guidance Development Document for Effluent Limitations Guidelines and New Source Performance Standards for the Concrete Products. Point Source Category.
PB92-231943/REB 92-04 PC **A08/MF A02**

Guidance Document for Effluent Discharges from the Auto and Other Laundries. Point Source Category.
PB92-231927/REB 92-04 PC **A09/MF A03**

Guidance for Data Useability in Risk Assessment.
PB92-963363/REB 92-04 PC **A02/MF A01**

Guidance for Data Useability in Risk Assessment (Part A).
PB92-963356/REB 92-04 PC **A13/MF A03**

Guidance for Data Useability in Risk Assessment (Part B).
PB92-963362/REB 92-04 PC **A05/MF A01**

Guidance for Performing Preliminary Assessments under CERCLA.
PB92-963303/REB 92-01 PC **A13/MF A03**

Guidance for State Implementation of Water Quality Standards for CWA Section 303(C)(2)(B).
PB92-231604/REB 92-04 PC **A03/MF A01**

Guidance for State Water Monitoring and Wasteload Allocation Programs.
PB92-231612/REB 92-04 PC **A04/MF A01**

Guidance for Water Quality-Based Decisions: The TMDL Process.
PB92-231620/REB 92-04 PC **A04/MF A01**

Guidance Manual for Pulp, Paper, and Paperboard and Builders' Paper and Board Mills Pretreatment Standards.
PB92-231638/REB 92-04 PC **A04/MF A01**

Guidance on Preparing Waste-in Lists and Volumetric Rankings for Release to Potentially Responsible Parties (PRPs) under CERCLA.
PB92-963606/REB 92-01 PC **A03/MF A01**

Guidance on Site Assessment Cooperative Agreements.
PB92-224385/REB 92-04 PC **A03/MF A01**

Guide for Conducting Treatability Studies under CERCLA: Aerobic Biodegradation Remedy Screening.
PB92-109073/REB 92-01 PC **A02/MF A01**

Guide for Conducting Treatability Studies under CERCLA: Aerobic Biodegradation Remedy Screening. Interim Guidance.
PB92-109065/REB 92-01 PC **A03/MF A01**

Guide for Conducting Treatability Studies under CERCLA: Aerobic Biodegradation Remedy Screening. Quick Reference Fact Sheet.
PB92-224377/REB 92-04 PC **A02/MF A01**

Guide for Conducting Treatability Studies under CERCLA: Chemical Dehalogenation.
PB92-169044/REB 92-04 PC **A05/MF A01**

Guide for Conducting Treatability Studies under CERCLA: Chemical Dehalogenation. Final Report.
PB92-231307/REB 92-04 PC **A05/MF A01**

Guide for Conducting Treatability Studies under CERCLA: Soil Vapor Extraction. Interim Guidance.
PB92-227271/REB 92-04 PC **A05/MF A01**

Guide for Conducting Treatability Studies under CERCLA: Soil Vapor Extraction. Quick Reference Fact Sheet.
PB92-224401/REB 92-04 PC **A02/MF A01**

PB92-231281/REB 92-04 PC **A02/MF A01**

Guide for Conducting Treatability Studies under CERCLA: Soil Washing. Interim Guidance.
PB92-170570/REB 92-01 PC **A03/MF A01**

Guide for Conducting Treatability Studies under CERCLA: Soil Washing: Quick Reference Fact Sheet.
PB92-170588/REB 92-01 PC **A02/MF A01**

Guide for Conducting Treatability Studies under CERCLA Solvent Extraction. Interim Guidance.
PB92-239581/REB 92-04 PC **A03/MF A01**

Guide for Conducting Treatability Studies under CERCLA: Solvent Extraction Quick Reference Fact Sheet.
PB92-239599/REB 92-04 PC **A02/MF A01**

Guide for the Application of Effluent Limitations Guidelines for the Petroleum Refining Industry.
PB92-232057/REB 92-04 PC **A11/MF A03**

Guide for Using the Empirical Kinetics Modeling Approach Interface (EKMAI).
PB92-196005/REB 92-01 PC **A03/MF A01**

Guide to Management of Investigation-Derived Wastes.
PB92-963353/REB 92-01 PC **A02/MF A01**

Guide to Principal Threat and Low Level Threat Wastes.
PB92-963345/REB 92-01 PC **A01/MF A01**

Guide to Removal Enforcement.
PB92-963419/REB 92-04 PC **A01/MF A01**

Guide to Selected National Environmental Statistics in the U.S. Government.
PB92-201144/REB 92-04 PC **A05/MF A02**

Guide to Site and Soil Description for Hazardous Waste Site Characterization. Volume 1. Metals.
PB92-146158/REB 92-01 PC **A13/MF A03**

Guideline for Regulatory Application of the Urban Airshed Model.
PB92-108760/REB 92-01 PC **A05/MF A01**

Guideline for Regulatory Application of the Urban Airshed Model for Areawide Carbon Monoxide. Volume 1. Technical Report.
PB92-213222/REB 92-04 PC **A04/MF A01**

Guideline for Regulatory Application of the Urban Airshed Model for Areawide Carbon Monoxide. Volume 2. Appendices.
PB92-213230/REB 92-04 PC **A04/MF A01**

Guideline Series: Control of Volatile Organic Compound Emissions from Reactor Processes and Distillation Operations Processes in the Synthetic Organic Chemical Manufacturing Industry.
PB92-180009/REB 92-01 PC **A09/MF A03**

Guidelines for Asbestos NESHAP Demolition and Renovation Inspection Procedures.
PB92-132836/REB 92-01 PC **A07/MF A02**

Guidelines for Catastrophic Emergency Situations Involving Asbestos.
PB92-218361/REB 92-04 PC **A04/MF A01**

Guidelines for Conducting Early Life Stage Toxicity Tests with Japanese Medaka 'Oryzias latipes'.
PB92-137486/REB 92-01 PC **A03/MF A01**

Guidelines for Culturing the Japanese Medaka, 'Oryzias latipes'.
PB92-137496/REB 92-01 PC **A03/MF A01**

Guides to Pollution Prevention: The Automotive Refinishing Industry.
PB92-129139/REB 92-01 PC **A04/MF A01**

Guides to Pollution Prevention: The Fiberglass-Reinforced and Composite Plastics Industry.
PB91-227967/REB 92-01 PC **A04/MF A01**

Guides to Pollution Prevention: The Marine Maintenance and Repair Industry.
PB91-228817/REB 92-01 PC **A04/MF A01**

Guides to Pollution Prevention: The Pharmaceutical Industry.
PB92-100060/REB 92-01 PC **A05/MF A01**

Guides to Pollution Prevention: The Photoprocessing Industry.
PB92-129121/REB 92-01 PC **A04/MF A01**

Handbook: Control Technologies for Hazardous Air Pollutants.
PB92-141373/REB 92-01 PC **A12/MF A03**

Handbook for Special Public Notification for Lead for Public Drinking Water Suppliers.
PB92-164722/REB 92-01 PC **A04**/MF **A01**

Handbook of RCRA Ground-Water Monitoring Constituents: Chemical and Physical Properties (40 CFR Part 264, Appendix 9).
PB92-233287/REB 92-04 PC **A13**/MF **A03**

Handbook of State Management Practices, July 1984.
PB92-164755/REB 92-01 PC **A08**/MF **A02**

Handbook of Suggested Practices for the Design and Installation of Ground-Water Monitoring Wells (Revised).
PB92-216886/REB 92-04 PC **A11**/MF **A03**

Handling and Disposal of Sludges and Residuals from Combined Sewer Overflow Treatment.
PB92-158567/REB 92-01 PC **A02**/MF **A01**

Hazardous Air Pollutant Program (HAP-PRO). User's Manual (for Use with Version 1.0, January-September, 1990).
PB92-135904/REB 92-01 PC **A04**/MF **A01**

Hazardous Air Pollutant Program (HAP-PRO). Version 1 (for Microcomputers).
PB92-501212/REB 92-01 CP **D03**

Hazardous Substance Research Centers Program. Program Summary FY 1991. Office of Exploratory Research.
PB92-224419/REB 92-04 PC **A12**/MF **A03**

Hazardous Waste Degradation by Wood Degrading Fungi.
PB92-217082/REB 92-04 PC **A03**/MF **A01**

Health Advisory for Isopropyl Methylphosphonic Acid (IMPA).
PB92-232149/REB 92-04 PC **A03**/MF **A01**

Health Advisory for 2,4- and 2,6-Dinitrotoluene (DNT).
PB92-189315/REB 92-01 PC **A10**/MF **A03**

Health Assessment Document for Talc.
PB92-239524/REB 92-04 PC **A04**/MF **A01**

Health Assessment Document for Vermiculite.
PB92-166834/REB 92-01 PC **A03**/MF **A01**

Health Effects and Dose-Response Assessment for Hydrogen Chloride Following Short-Term Exposure.
PB92-161959/REB 92-01 PC **A05**/MF **A01**

Health Effects Assessment Summary Tables.
PB92-921100/REB 92-01 Standing Order

Health Effects of Arsenic in Drinking Water.
PB92-110360/REB 92-01 PC **A03**/MF **A01**

Health Research to Support Risk Assessment.
PB92-188788/REB 92-01 PC **A03**/MF **A01**

Healthy Lawn, Healthy Environment. Caring for Your Lawn in an Environmentally Friendly Way.
PB92-233699/REB 92-04 PC **A03**/MF **A01**

Hepatic Microsomal N-hydroxylation of Aniline and 4-chloroaniline by Rainbow Trout 'Onchorhyncus mykiss'.
PB92-227354/REB 92-04 PC **A03**/MF **A01**

Hepatocarcinogenicity of Chloral Hydrate, 2-Chloroacetaldehyde, and Dichloroacetic Acid in the Male B6C3F1 Mouse.
PB92-232990/REB 92-04 PC **A03**/MF **A01**

Heterotrophic Bacteria of the Freshwater Neuston and Their Ability to Act as Plasmid Recipients under Nutrient Deprived Conditions.
PB92-129766/REB 92-01 PC **A03**/MF **A01**

Hierarchical Stochastic Model of Large-Scale Atmospheric Circulation Patterns and Multiple Station Daily Precipitation.
PB92-217421/REB 92-04 PC **A03**

High-Volume Impactor for Sampling Fine and Coarse Particles.
PB92-166727/REB 92-01 PC **A02**/MF **A01**

Higher Plant Accumulation of Organic Pollutants from Soils.
PB92-209378/REB 92-04 PC **A07**/MF **A02**

Homeowners Exempted from Superfund Cleanup Costs: National Policy Overview.
PB92-963336/REB 92-01 PC **A01**/MF **A01**

Horsehead Resource Development Company, Inc. Flame Reactor Technology: Applications Analysis Report.
PB92-213214/REB 92-04 PC **A04**/MF **A01**

Host Resistance to Murine Malaria in Mice Exposed to the Adenosine Deaminase Inhibitor, 2'-Deoxycoformycin.
PB92-150812/REB 92-01 PC **A03**/MF **A01**

Host Resistance to 'Trichinella spiralis' Infection in Rats and Mice: Species-Dependent Effects of Cyclophosphamide Exposure.
PB92-233006/REB 92-04 PC **A03**/MF **A01**

How Much Acidification Has Occurred in Adirondack Region Lakes (New York, USA) since Preindustrial Times.
PB92-180371/REB 92-01 PC **A03**/MF **A01**

Human Bronchial Epithelial Cell Strain with Unusual In vitro Growth Potential Which Undergoes Neoplastic Transformation after SV40 T Antigen Gene Transfection.
PB92-206358/REB 92-04 PC **A03**/MF **A01**

Human Carcinogenesis by Arsenic.
PB92-227578/REB 92-04 PC **A02**/MF **A01**

Human Exposure Model-II: User's Guide.
PB92-186246/REB 92-01 PC **A08**/MF **A02**

Humic Substances and Contaminant Transport: A Review.
PB92-179753/REB 92-01 PC **A02**/MF **A01**

HVAC Systems in the Current Stock of U.S. K-12 Schools.
PB92-218338/REB 92-04 PC **A04**/MF **A01**

Hydraulic Fracturing to Improve Nutrient and Oxygen Delivery for In situ Bioreclamation.
PB92-121334/REB 92-01 PC **A03**/MF **A01**

Hydrogenase-Linked Gene in 'Methanobacterium thermoautotrophicum' Strain DeltaH Encodes a Polyferredoxin.
PB92-206234/REB 92-04 PC **A02**/MF **A01**

Hydroxyl Radical Formation in Aqueous Reactions (pH 3-8) of Iron(II) with Hydrogen Peroxide: The Photo-Fenton Reaction.
PB92-153824/REB 92-01 PC **A02**/MF **A01**

I/M Network Type: Effects on Emission Reductions, Cost, and Convenience. Technical Information Document.
PB92-104447/REB 92-01 PC **A04**/MF **A01**

Identification and Characterization of Missing or Unaccounted for Area Source Categories.
PB92-139377/REB 92-01 PC **A15**/MF **A03**

Identification of a Senior Superfund Official for Addressing Special NPL Site-Related Issues.
PB92-963277/REB 92-04 PC **A01**/MF **A01**

Identification of Sources of Ground-Water Salinization Using Geochemical Techniques.
PB92-119650/REB 92-01 PC **A12**/MF **A03**

Illinois Lake Management Program Act Administrative Framework Plan.
PB92-206879/REB 92-04 PC **A07**/MF **A02**

Illinois Water Quality Report, 1990-1991.
PB92-223023/REB 92-04 PC **A19**/MF **A04**

IM240 Transient I/M Dynamometer Driving Schedule and the Composite I/M Test Procedure.
PB92-104405/REB 92-01 PC **A03**/MF **A01**

Immature Rat Leydig Cells are Intrinsically Less Sensitive Than Adult Leydig Cells to Ethane Dimethanesulfonate.
PB92-232842/REB 92-04 PC **A03**/MF **A01**

Immunohistochemical Detection of P21 'ras' and P110 'myc' Oncogene Expression in Regenerating Rat Liver.
PB92-188895/REB 92-01 PC **A03**/MF **A01**

Impact of Conservation Tillage Use on Soil and Atmospheric Carbon in the Contiguous United States.
PB92-113448/REB 92-01 PC **A03**/MF **A01**

Impact of Methanol and CNG Fuels on Motor Vehicle Toxic Emissions.
PB92-110378/REB 92-01 PC **A03**/MF **A01**

Impacts of Climate Change on Rice Yield: Evaluation of the Efficacity of Different Modeling Approaches.
PB92-188754/REB 92-01 PC **A04**/MF **A01**

Implementation of the Alternative Remedial Contracting Strategy (ARCS) Task Force Recommendations: Transmittal of the Implementation Plan.
PB92-963258/REB 92-01 PC **A01**/MF **A01**

Implementation of the Superfund Alternative Remedial Contracting Strategy (ARCS): Report of the Administrator's Task Force. Implementation Plan.
PB92-963201/REB 92-01 PC **A03**/MF **A01**

Implementing 'In vitro' Models in the Hazard Identification and Risk Assessment Process.
PB92-188796/REB 92-01 PC **A03**/MF **A01**

Implementing Protective Actions for Radiological Incidents at Other Than Nuclear Power Reactors. Proceedings of a Workshop, Held in Montgomery, Alabama on September 25-26, 1991.
PB92-192764/REB 92-01 PC **A05**/MF **A01**

Improved Method for Estimating Molecular Weights of Volatile Organic Compounds from Low Resolution Mass Spectra.
PB92-166685/REB 92-01 PC **A03**/MF **A01**

Improved Sample Recovery in Thermocycle Sequencing Protocols.
PB92-124593/REB 92-01 PC **A01**/MF **A01**

Improvement in the Diagnostic Potential of (32)P-Postlabeling Analysis Demonstrated by the Selective Formation and Comparative Analysis of Nitrated-PAH-Derived Adducts Arising from Diesel Particle Extracts.
PB92-110485/REB 92-01 PC **A02**/MF **A01**

Improvement of Performance of Variable Probability Sampling Strategies.
PB92-180264/REB 92-01 PC **A02**/MF **A01**

Improvement of PMN Review Procedures to Estimate Protective Clothing Performance. Executive Summary Report.
PB92-105691/REB 92-01 PC **A03**/MF **A01**

In-situ Bioremediation of Contaminated Ground Water.
PB92-224336/REB 92-04 PC **A03**/MF **A01**

In situ Soil Flushing. Engineering Bulletin.
PB92-180025/REB 92-01 PC **A02**/MF **A01**

In vitro/In vivo Comparison of Yolk-Sac Function and Embryo Development.
PB92-150804/REB 92-01 PC **A02**/MF **A01**

In vitro Lymphocyte Proliferation Assays: The Mitogen-Stimulated Response and the Mixed Lymphocyte Reaction in Immunotoxicity Testing.
PB92-126911/REB 92-01 PC **A03**/MF **A01**

In vitro Screening Batteries for Neurotoxicants (Journal Article).
PB92-206408/REB 92-04 PC **A03**/MF **A01**

In vitro Teratology.
PB92-124700/REB 92-01 PC **A02**/MF **A01**

Inactive and Abandoned Noncoal Mines.
PB92-190107/REB 92-01 PC **E99**/MF **E99**

Inactive and Abandoned Noncoal Mines. Volume 1. A Scoping Study.
PB92-190115/REB 92-01 PC **A07**/MF **A02**

Inactive and Abandoned Noncoal Mines. Volume 2. State Reports.
PB92-190123/REB 92-01 PC **A19**/MF **A04**

Inactive and Abandoned Noncoal Mines. Volume 3. Appendix: State Reports.
PB92-190131/REB 92-01 PC **A14**/MF **A03**

Incineration Data on Arsenic and Lead Emissions.
PB92-179043/REB 92-01 PC **A03**/MF **A01**

Increased Reproduction by Mysids ('Mysidopsis bahia') Fed with Enriched 'Artemia' spp. Nauplii.
PB92-108034/REB 92-01 PC **A02**/MF **A01**

Increasing Scientific Power with Statistical Power.
PB92-217199/REB 92-04 PC **A03**/MF **A01**

Indicators for Monitoring Biodiversity: A Hierarchical Approach.
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Indoor Air Assessment: A Review of Indoor Air Quality Risk Characterization Studies.
PB92-109107/REB 92-01 PC **A06**/MF **A02**

Indoor Air-Assessment: An Inventory of Indoor Air Quality Research in the United States: 1989-1990.
PB92-114545/REB 92-01 PC **A10**/MF **A03**

Indoor Air Pollutants from Household Product Sources: Project Report.
PB92-136837/REB 92-01 PC **A08**/MF **A02**

Indoor Air Pollutants from Unvented Kerosene Heater Emissions in Mobile Homes: Studies on Particles, Semivolatile Organics, Carbon Monoxide, and Mutagenicity.
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Indoor Air Quality Data Base for Organic Compounds.
PB92-158468/REB 92-01 PC **A04**/MF **A01**

Indoor Radon and Radon Decay Product Measurement Device Protocols.
PB92-206176/REB 92-04 PC **A06**/MF **A02**

Induction of Cytochrome P-450-IA1 in Juvenile Fish by Creosote-Contaminated Sediment.
PB92-129790/REB 92-01 PC **A02**/MF **A01**

Induction of Gastrointestinal Tract Nuclear Anomalies in B6C3F1 Mice by 3-Chloro-4-(Dichloromethyl)-5-Hydroxy-2(5H)-Furanone and 3,4-(Dichloro)-5-Hydroxy-2(5H)-Furanone, Mutagenic Byproducts of Chlorine Disinfection.
PB92-164938/REB 92-01 PC **A02**/MF **A01**

Induction of Micronuclei by X-radiation in Human, Mouse and Rat Peripheral Blood Lymphocytes.
PB92-113315/REB 92-01 PC **A02**/MF **A01**

Induction of Nuclear Anomalies in the Gastrointestinal Tract by Polycyclic Aromatic Hydrocarbons.
PB92-164896/REB 92-01 PC **A03**/MF **A01**

Induction of Prophage Lambda by Chlorinated Organics: Detection of Some Single-Species/Single-Site Carcinogens.
PB92-195841/REB 92-01 PC **A03**/MF **A01**

Industrial Pollution Prevention Opportunities for the 1990s.
PB91-220376/REB 92-01 PC **A04**/MF **A01**

Ineffectiveness of Cough for Enhancing Mucus Clearance in Asymptomatic Smokers.
PB92-233022/REB 92-04 PC **A02**/MF **A01**

Inferences about Solute Transport in Macroporous Forest Soils from Time Series Models.
PB92-150572/REB 92-01 PC **A03**/MF **A01**

Influence of Chlordimeform on Alpha-Adrenergic Receptor-Associated Mechanisms of Hormonal Regulation in the Rat: Pituitary and Adrenocortical Secretion.
PB92-143908/REB 92-01 PC **A03**/MF **A01**

Influence of Constant and Fluctuating Salinity on Responses of 'Mysidopsis bahia' Exposed to Cadmium in a Life-Cycle Test.
PB92-108042/REB 92-01 PC **A03**/MF **A01**

Influence of Experimental Conditions on the Liquid Secondary Ion Mass Spectra of Sulfonated Azo Dyes.
PB92-124361/REB 92-01 PC **A02**/MF **A01**

Influence of Size on Fate and Ecological Effects of Kepone in Physical Models.
PB92-121326/REB 92-01 PC **A03**/MF **A01**

Information Integration for Environmental Monitoring and Assessment: An Annotated Bibliography.
PB92-227461/REB 92-04 PC **A03**/MF **A01**

INFOTERRA/USA Directory of Environmental Sources.
PB92-102433/REB 92-01 PC **A20**/MF **A04**

Infrared Spectroscopy-Based Property-Reactivity Correlations for Predicting Environmental Fate of Organic Chemicals.
PB92-232925/REB 92-04 PC **A03**/MF **A01**

Innovative Treatment Technologies: Overview and Guide to Information Sources.
PB92-179001/REB 92-01 PC **A20**/MF **A04**

Innovative Treatment Technologies: Semi-Annual Status Report. (Third Edition).
PB92-173210/REB 92-01 PC **A05**/MF **A01**

Inorganic Arsenicals Position Document 2/3.
PB92-114297/REB 92-01 PC **A03**/MF **A01**

Inorganic Arsenicals Position Document 4.
PB92-114305/REB 92-01 PC **A03**/MF **A01**

Inorganic Chemical Characterization of Water Treatment Plant Residuals.
PB92-198563/REB 92-04 PC **A08**/MF **A02**

Inorganic Contract Compliance Screening System (ICCSS) Software (SOW March 1990) (Version 1) (for Microcomputers).
PB92-501519/REB 92-01 CP **D02**

Inorganic Contract Compliance Screening System Software for the PC (SOW March 1990 Version 1). User Manual.
PB92-145598/REB 92-01 PC **A07**/MF **A02**

Inside the Hotline: A Compilation of 1991 Monthly Hotline Reports.
PB92-131390/REB 92-01 PC **A04**/MF **A01**

Inspection Techniques for the Fabrication of Geomembrane Field Seams.
PB92-188770/REB 92-01 PC **A02**/MF **A01**

Integrating On-Board Diagnostic System Capabilities into the Inspection and Repair Functions of I/M Programs.
PB92-104454/REB 92-01 PC **A03**/MF **A01**

Integrating Sustainable Agriculture, Ecology, and Environmental Policy. Proceedings of a Workshop. Held in Arlington, Virginia, on July 22-23, 1991.
PB92-137975/REB 92-01 PC **A11**/MF **A03**

Intelligent Processing Equipment within the Environmental Protection Agency.
N92-24997/8/REB 92-01
(Order as N92-24987/9/REB, PC **A10**/MF **A03**)
PB92-217330/REB 92-04 PC **A02**/MF **A01**

Interactive Effects of Aldrin, Cyclohexylamine, 2,4-Diaminotoluene and Two Phorbol Esters on Metabolic Cooperation between V79 Cells.
PB92-108026/REB 92-01 PC **A02**/MF **A01**

Interagency Workgroup on Air Quality Modeling (IWAQM) Work Plan Rationale.
PB92-213248/REB 92-04 PC **A03**/MF **A01**

Intercomparison of Sampling Techniques for Nicotine in Indoor Environments.
PB92-110402/REB 92-01 PC **A02**/MF **A01**

Interim Protocol for the Evaluation of Survival of Genetically Engineered Microorganisms by Simulating the Aerial Environment Using a Freeze-Drying Procedure.
PB92-217470/REB 92-04 PC **A03**/MF **A01**

Interlaboratory Comparison of Motor Activity Experiments: Implications for Neurotoxicological Assessments.
PB92-143916/REB 92-01 PC **A03**/MF **A01**

Interlaboratory Comparison of Thermospray and Particle Beam Liquid Chromatography/Mass Spectrometry Interfaces. Evaluation of a Chlorinated Phenoxy Acid Herbicide Liquid Chromatography/Mass Spectrometry Analysis Method.
PB92-124734/REB 92-01 PC **A02**/MF **A01**

Interlaboratory Study of Cellular Fluorescence Intensity Measurements with Fluorescein-Labeled Microbead Standards.
PB92-153881/REB 92-01 PC **A03**/MF **A01**

PB92-153899/REB 92-01 PC **A03**/MF **A01**

International Symposium on Field Screening Methods for Hazardous Wastes and Toxic Chemicals (2nd), Proceedings. Held in Las Vegas, Nevada on February 12-14, 1991.
PB92-125764/REB 92-01 PC **A99**/MF **E08**

Interspecies Comparisons of A/D Ratios: A/D Ratios Are Not Constant Across Species.
PB92-143965/REB 92-01 PC **A03**/MF **A01**

Interspecies Cytogenetic Comparisons: Studies with X-Radiation and Bleomycin Sulfate.
PB92-227438/REB 92-04 PC **A03**/MF **A01**

Interspecies Sensitivity to Chemical Carcinogens: Relationships between Mouse Skin Tumors and Human Lung Cancer.
PB92-158674/REB 92-01 PC **A03**/MF **A01**

Intersubject Variability in Human Acute Ozone Responsiveness. Symposium Proceedings.
PB92-158666/REB 92-01 PC **A02**/MF **A01**

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Introduction to Water Quality Standards.
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Investigation of RADM Performance Using Aircraft Measurements.
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Is Your Drinking Water Safe.
PB92-232198/REB 92-04 PC **A03**/MF **A01**

Isolation and Culture of Leydig Cells from Adult Rats.
PB92-166321/REB 92-01 PC **A03**/MF **A01**

Kinetic Properties of Malic Dehydrogenase from Three Cultivars of Rice.
PB92-178995/REB 92-01 PC **A03**/MF **A01**

Kinetics of Chemical Weathering: A Comparison of Laboratory and Field Weathering Rates (Chapter 17).
PB92-143858/REB 92-01 PC **A03**/MF **A01**

Kinetochore-Staining of Spermatid Micronuclei: Studies of Mice Treated with X-Radiation or Acrylamide.
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Laboratory and Field Evaluations of a Methodology for Determining Hexavalent Chromium Emissions from Stationary Sources.
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Land Manager's Guide to Water Quality Monitoring.
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Landfill Gas Energy Utilization: Technology Options and Case Studies.
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Landfill Gas Recovery/Utilization: Options and Economics.
PB92-217066/REB 92-04 PC **A03**/MF **A01**

Landfill Gas Utilization: Options, Benefits, and Barriers.
PB92-195916/REB 92-01 PC **A03**/MF **A01**

Landfill Leachate Effects on Sorption of Organic Micropollutants onto Aquifer Materials.
PB92-198597/REB 92-04 PC **A03**/MF **A01**

Landfill Leachate Effects on Transport of Organic Substances in Aquifer Materials (Chapter 16).
PB92-198225/REB 92-04 PC **A03**/MF **A01**

Lead and Copper Rule Guidance Manual. Volume 1. Monitoring.
PB92-112101/REB 92-01 PC **A10**/MF **A03**

Lead in School Drinking Water.
PB92-137439/REB 92-01 PC **A04**/MF **A01**

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Letters to the Editor.
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Locating and Estimating Air Emissions from Sources of Styrene, Interim Report.
PB92-126788/REB 92-01 PC **A08**/MF **A02**

Long-Path FTIR Measurements of Volatile Organic Compounds in an Industrial Setting (July 1989-April 1991).
PB92-206424/REB 92-04 PC **A02**/MF **A01**

Long-Term Changes in the Areal Extent of Tidal Marshes, Eelgrass Meadows and Kelp Forests of Puget Sound.
PB92-104496/REB 92-01 PC **A06**/MF **A02**

Long-Term Neurochemical and Behavioral Effects Induced by Acute Chlorpyrifos Treatment.
PB92-206366/REB 92-04 PC **A02**/MF **A01**

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Making It Work: Title 3 Compliance. The Public's Right-to-Know.
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Managing Contaminated Sediments. EPA Decision-Making Processes.
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MANE: A Multiphase, Aqueous, Non-Steady State, Equilibrium Model for Simulating Soil-Water Interactions.
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Manual for Non-CFC Aerosol Packaging: Conversion from CFC to Hydrocarbon Propellants.
PB92-101344/REB 92-01 PC **A10**/MF **A03**

Manual for the Certification of Laboratories Analyzing Drinking Water. Criteria and Procedures Quality Assurance. Third Edition. Change 1.
PB92-150390/REB 92-01 PC **A03**/MF **A01**

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Manual of Protective Action Guides and Protective Actions for Nuclear Incidents.
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Manual of Small Public Water Supply Systems.
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Marine Debris Survey Manual.
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Markets for Scrap Tires.
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Material Recovery Facilities for Municipal Solid Waste.
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Measurement and Prediction of the Resistivity of Ash/Sorbent Mixtures Produced by Sulfur Oxide Control Processes.
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Measurement of the Biotransfer and Time Constant of Radon from Ingested Water by Human Breath Analysis.
PB92-189026/REB 92-01 PC **A03**/MF **A01**

Measurement of Tyrosine Hydroxylase Apoenzyme Protein by Enzyme-Linked Immunosorbent Assay (ELISA): Effects of 1-Methyl-4-Phenyl-1,2,3,6-Tetrahydropyridine (MPTP) on Striatal Tyrosine Hydroxylase Activity and Content.
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Measurement Solution: Using a Temporary Total Enclosure for Capture Efficiency Testing.
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Measuring Sexual Behavior in the Female Rat.
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Memorandum of Understanding between the National Oceanic and Atmospheric Administration and the U.S. Environmental Protection Agency Concerning the Notification and Coordination of Activities Pursuant to the Comprehensive Environmental Response, Compensation, and Liability Act.
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Mercury Deposition and Sources for the Upper Great Lakes Region.
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Mercury in the St. Louis River, Mississippi River, Crane Lake, and Sand Point Lake: Cycling, Distribution, and Sources. Report to the Legislative Commission on Minnesota Resources.
PB92-195957/REB 92-01 PC **A07**/MF **A02**

Metabolism of Benzo(a)Pyrene and Persistence of DNA Adducts in the Brown Bullhead 'Ictalurus nebulosus'.
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Metals in Ground Water: Sampling Artifacts and Reproducibility.
PB92-227479/REB 92-04 PC **A03**/MF **A01**

Meteorological and Site Influences Affecting the Comparison of Nephelometer and Photographic Determinations of Light Extinction at Rural Sites in the Eastern United States.
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Method 25: Determination of Total Gaseous Non-Methane Organic Emissions as Carbon from Stationary Sources.
PB92-113026/REB 92-01 PC **A07**/MF **A02**

Method 1624: Volatile Organic Compounds by Isotope Dilution GCMS; Method 1625: Semivolatile Organic Compounds by Isotope Dilution GCMS.
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Methods for the Determination of Organic Compounds in Drinking Water. Supplement 2.
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Methods Used in Determination of Cholinesterase Activity.
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Mining Sites on the National Priorities List: NPL Site Summary Reports.
PB92-124759/REB 92-01 PC **E99**

Mining Sites on the National Priorities List: NPL Site Summary Reports. Volume 1 (Aluminum Company of America (Vancouver Smelter) to Cleveland Mill).
PB92-124767/REB 92-01 PC **A99**

Mining Sites on the National Priorities List: NPL Site Summary Reports. Volume 2 (Commencement Bay Nearshore/ Tideflats to Kerr McGee) (Kress Creek, Reed-Keppler Park, Residential Areas, Sewage Treatment Plant).
PB92-124775/REB 92-01 PC **A99**

Mining Sites on the National Priorities List: NPL Site Summary Reports. Volume 3 (Kerr-McGee Chemical Corp. (Soda Springs Plant) to Ormet Corp).
PB92-124783/REB 92-01 PC **A99**

Mining Sites on the National Priorities List: NPL Site Summary Reports. Volume 4 (Oronogo-Duenweg Mining Belt to Tar Creek).
PB92-124791/REB 92-01 PC **A99**

Mining Sites on the National Priorities List: NPL Site Summary Reports. Volume 5 (Teledyne Wah Chang to Wayne Interim Storage Facility/W.R. Grace).
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Mixed-Species Colonization of Solid Surfaces in Laboratory Biofilms.
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Mobile Air-Conditioning Recycling Manual.
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Model of Additive Effects of Mixtures of Narcotic Chemicals.
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Model of Virus Transport in Unsaturated Soil.
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Modeling of Nonpoint Source Water Quality in Urban and Non-urban Areas.
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Modeling Radon Entry into Florida Houses with Concrete Slabs and Concrete-Block Stem Walls.
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Modeling Studies for Planning: The Green Bay Project.
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Modellierung und Simulation des Verhaltens von Umweltchemikalien in Boeden und Pflanzen (Modeling and Simulation of the Effect of (Environmental) Chemicals in Soil and in Plants).
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Modelling Individuals Employing an Integrated Energy Response: Application to 'Daphnia'.
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Modification of an Index of Biotic Integrity Based on Fish Assemblages to Characterize Rivers of the Seine Basin, France.
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Modifications to Reduce Drag Out at a Printed Circuit Board Manufacturer.
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Modulation of Human Alveolar Macrophage Properties by Ozone Exposure In vitro.
PB92-113281/REB 92-01 PC **A03**/MF **A01**

Monitoring and Research Strategy for Forests-Environmental Monitoring and Assessment Program.
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Monitoring Guidelines to Evaluate Effects of Forestry Activities on Streams in the Pacific Northwest and Alaska.
PB92-104520/REB 92-01 PC **A09**/MF **A02**

Monitoring Human Tissues for Toxic Substances.
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Monitoring of the Estrous Cycle in the Laboratory Rodent by Vaginal Lavage.
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Morphological Transformation and DNA Adduct Formation by Benz(j)aceanthrylene and Its Metabolites in C3H10T1/ 2CL8 Cells: Evidence for Both Cyclopenta-Ring and Bay-Region Metabolic Activation Pathways.
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Mosquito Control Pesticides: Adverse Impacts to Freshwater Aquatic and Marine Organisms.
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Multi-Media Investigation Manual.
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Multifactor Potency Scheme for Comparing the Carcinogenic Activity of Chemicals.
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Multimedia Approaches to Pollution Control: A Symposium Proceedings.
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Multiphase Chemical Transport in Porous Media.
PB92-205640/REB 92-04 PC **A03**/MF **A01**

Multispectral Identification of Alkyl and Chloroalkyl Phosphates from an Industrial Effluent.
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Murine Cytomegalovirus Host Resistance Models.
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Mutagenicity of Emissions from the Simulated Open Burning of Scrap Rubber Tires.
PB92-217009/REB 92-04 PC **A04**/MF **A01**

Mutants of 'Pseudomonas cepacia' G4 Defective in Catabolism of Aromatic Compounds and Trichloroethylene.
PB92-129741/REB 92-01 PC **A02**/MF **A01**

Myelin Basic Protein-Messenger RNA (MBP-mRNA) Expression during Triethyltin-Induced Myelin Edema.
PB92-150861/REB 92-01 PC **A03**/MF **A01**

NATICH Data Base Report on State, Local and EPA Air Toxics Activities, September 1991.
PB92-143700/REB 92-01 PC **A99**/MF **A06**

National Acid Precipitation Assessment Program (NAPAP) Emissions Inventory, 1985 (Version 2). Development of the Annual Data and Modelers' (for Microcomputers).
PB92-501139/REB 92-01 CP **D04**

National Air Pollutant Emission Estimates 1940-1990.
PB92-152859/REB 92-01 PC **A05**/MF **A02**

National Air Quality and Emissions Trends Report, 1990.
PB92-141555/REB 92-01 PC **A07**/MF **A02**

National Air Toxics Information Clearinghouse: Bibliography of Selected Reports and Federal Register Notices Related to Air Toxics. Index, 1991.
PB92-111913/REB 92-01 PC **A21**/MF **A04**

National Air Toxics Information Clearinghouse: Bibliography of Selected Reports and Federal Register Notices Related to Air Toxics. Volume 5. Citations, 1991.
PB92-111830/REB 92-01 PC **A10**/MF **A03**

National Air Toxics Information Clearinghouse: Ongoing Research and Regulatory Development Projects.
PB92-111905/REB 92-01 PC **A10**/MF **A03**

National Estuary Program After Four Years: A Report to Congress.
PB92-233154/REB 92-04 PC **A06**/MF **A02**

National Home and Garden Pesticide Use Survey.
PB92-174721/REB 92-01 PC **E99**/MF **E99**

National Home and Garden Pesticide Use Survey Final Report. Executive Summary.
PB92-174739/REB 92-01 PC **A03**/MF **A01**

National Home and Garden Pesticide Use Survey. Final Report. Volume 1. Executive Summary, Results, and Recommendations.
PB92-174747/REB 92-01 PC **A16**/MF **A03**

National Home and Garden Pesticide Use Survey. Final Report. Volume 2. Survey Design, Implementation, and Analysis Methods.
PB92-174754/REB 92-01 PC **A07**/MF **A02**

National Oil and Hazardous Substances Pollution Contingency Plan (The NCP).
PB92-963261/REB 92-01 PC **A15**/MF **A03**

National Priorities List Sites: Alabama.
PB92-963223/REB 92-01 PC **A04**/MF **A01**

National Priorities List Sites: Alaska.
PB92-963251/REB 92-01 PC **A04**/MF **A01**

National Priorities List Sites: American Samoa, Guam, and the Trust Territories.
PB92-963242/REB 92-01 PC **A03**/MF **A01**

National Priorities List Sites: Arizona and Nevada.
PB92-963216/REB 92-01 PC **A04**/MF **A01**

National Priorities List Sites: Arkansas.
PB92-963220/REB 92-01 PC **A04**/MF **A01**

National Priorities List Sites: California and Hawaii.
PB92-963239/REB 92-01 PC **A11**/MF **A03**

National Priorities List Sites: Colorado.
PB92-963237/REB 92-01 PC **A05**/MF **A01**

National Priorities List Sites: Connecticut.
PB92-963203/REB 92-01
see individual report for order number and price

National Priorities List Sites: Delaware.
PB92-963228/REB 92-01 PC **A05**/MF **A01**

National Priorities List Sites: Florida.
PB92-963250/REB 92-01 PC **A08**/MF **A02**

National Priorities List Sites: Georgia.
PB92-963226/REB 92-01 PC **A04**/MF **A01**

National Priorities List Sites: Idaho.
PB92-963219/REB 92-01 PC **A04**/MF **A01**

National Priorities List Sites: Illinois.
PB92-963248/REB 92-01 PC **A06**/MF **A02**

National Priorities List Sites: Indiana.
PB92-963249/REB 92-01 PC **A06**/MF **A02**

National Priorities List Sites: Iowa.
PB92-963234/REB 92-01 PC **A05**/MF **A01**

National Priorities List Sites: Kansas.
PB92-963213/REB 92-01 PC **A04**/MF **A01**

National Priorities List Sites: Kentucky.
PB92-963227/REB 92-01 PC **A04**/MF **A01**

National Priorities List Sites: Louisiana.
PB92-963222/REB 92-01 PC **A04**/MF **A01**

National Priorities List Sites: Maine.
PB92-963204/REB 92-01 PC **A04**/MF **A01**

National Priorities List Sites: Maryland.
PB92-963218/REB 92-01 PC **A04**/MF **A01**

National Priorities List Sites: Massachusetts.
PB92-963206/REB 92-01 PC **A05**/MF **A01**

National Priorities List Sites: Michigan.
PB92-963247/REB 92-01 PC **A10**/MF **A03**

National Priorities List Sites: Minnesota.
PB92-963211/REB 92-01 PC **A07**/MF **A02**

National Priorities List Sites: Mississippi.
PB92-963224/REB 92-01 PC **A03**/MF **A01**

National Priorities List Sites: Missouri.
PB92-963214/REB 92-01 PC **A05**/MF **A01**

National Priorities List Sites: Montana.
PB92-963235/REB 92-01 PC **A04**/MF **A01**

National Priorities List Sites: Nebraska.
PB92-963233/REB 92-01 PC **A04**/MF **A01**

National Priorities List Sites: New Hampshire.
PB92-963205/REB 92-01 PC **A04**/MF **A01**

National Priorities List Sites: New Jersey.
PB92-963241/REB 92-01 PC **A13**/MF **A03**

National Priorities List Sites: New Mexico.
PB92-963232/REB 92-01 PC **A04**/MF **A01**

National Priorities List Sites: New York.
PB92-963208/REB 92-01 PC **A10**/MF **A03**

National Priorities List Sites: North Carolina.
PB92-963209/REB 92-01 PC **A05**/MF **A01**

National Priorities List Sites: North Dakota and South Dakota.
PB92-963236/REB 92-01 PC **A04**/MF **A01**

National Priorities List Sites: Ohio.
PB92-963246/REB 92-01 PC **A06**/MF **A02**

National Priorities List Sites: Oklahoma.
PB92-963221/REB 92-01 PC **A04**/MF **A01**

National Priorities List Sites: Oregon.
PB92-963245/REB 92-01 PC **A04**/MF **A01**

National Priorities List Sites: Pennsylvania.
PB92-963240/REB 92-01 PC **A11**/MF **A03**

National Priorities List Sites: Puerto Rico.
PB92-963207/REB 92-01 PC **A04**/MF **A01**

National Priorities List Sites: Rhode Island.
PB92-963230/REB 92-01 PC **A04**/MF **A01**

National Priorities List Sites Set (1991).
PB92-963253/REB 92-01 PC **E99**/MF **E99**

National Priorities List Sites: South Carolina.
PB92-963210/REB 92-01 PC **A05**/MF **A01**

National Priorities List Sites: Tennessee.
PB92-963225/REB 92-01 PC **A04**/MF **A01**

National Priorities List Sites: Texas.
PB92-963212/REB 92-01 PC **A06**/MF **A02**

National Priorities List Sites: Utah.
PB92-963215/REB 92-01 PC **A04**/MF **A01**

National Priorities List Sites: Vermont.
PB92-963231/REB 92-01 PC **A04**/MF **A01**

National Priorities List Sites: Virginia.
PB92-963217/REB 92-01 PC **A05**/MF **A01**

National Priorities List Sites: Washington.
PB92-963244/REB 92-01 PC **A07**/MF **A02**

National Priorities List Sites: West Virginia.
PB92-963229/REB 92-01 PC **A04**/MF **A01**

National Priorities List Sites: Wisconsin.
PB92-963243/REB 92-01 PC **A06**/MF **A02**

National Priorities List Sites: Wyoming.
PB92-963238/REB 92-01 PC **A03**/MF **A01**

National Radon Contractor Proficiency (RCP) Program. Proficiency Report, January 1992.
PB92-120914/REB 92-01 PC **A10**/MF **A03**

National Radon Contractor Proficiency (RCP) Program. Proficiency Report, July 1992.
PB92-206150/REB 92-04 PC **A12**/MF **A03**

National Radon Measurement Proficiency Program: Individual Proficiency Report.
PB92-169473/REB 92-04 PC **A06**/MF **A02**

National Survey of Hazardous Waste Generators and Treatment, Storage, Disposal, and Recycling Facilities in 1986. Hazardous Waste Generation and Management.
PB92-123025/REB 92-01 PC **A12**/MF **A03**

National Toxicology Program: Annual Plan for Fiscal Year 1991.
PB92-189158/REB 92-01 PC **A11**/MF **A03**

National Toxicology Program: Review of Current DHHS, DOE, and EPA Research Related to Toxicology, Fiscal Year 1991.
PB92-189141/REB 92-01 PC **A14**/MF **A03**

National Water Quality Inventory: 1990 Report to Congress.
PB92-227800/REB 92-04 PC **A11**/MF **A03**

NATO Workshop on the Atmospheric Methane Cycle. Held in Mt. Hood, Oregon on October 6-11, 1991. Working Group Report on Methane Sources and Sinks.
PB92-180256/REB 92-01 PC **A03**/MF **A01**

Natural Basement Ventilation as a Radon Mitigation Technique.
PB92-166958/REB 92-01 PC **A03**/MF **A01**

Natural Enemy Risk Assessment (NERISK) (for Microcomputers).
PB92-500446/REB 92-01 CP **D06**

Natural Enemy Risk Assessment (NERISK) User's Manual.
PB92-114990/REB 92-01 PC **A03**/MF **A01**

Natural Gas Vehicle Challenge: EPA Emissions and Fuel Economy Testing, 1992.
PB92-217926/REB 92-04 PC **A04**/MF **A01**

Neanthes Long-Term Exposure Experiment: Further Evaluation of the Relationship between Juvenile Growth and Reproductive Success.
PB92-166891/REB 92-01 PC **A03**/MF **A01**

Near-Continuous Measurement of Hydrogen Sulfide and Carbonyl Sulfide by an Automatic Gas Chromatograph.
PB92-150598/REB 92-01 PC **A02**/MF **A01**

Neonatal Exposure to Triethyltin Disrupts Olfactory Discrimination Learning in Preweanling Rats.
PB92-124726/REB 92-01 PC **A03**/MF **A01**

Neonatal Exposure to Trimethyltin Disrupts Spatial Delayed Alternation Learning in Preweanling Rats.
PB92-124718/REB 92-01 PC **A02**/MF **A01**

NERISK: An Expert System to Enhance the Integration of Pesticides with Anthropod Biological Control.
PB92-124254/REB 92-01 PC **A02**/MF **A01**

Neural Factors in the Development of Renal Function: Effect of Neonatal Central Catecholaminergic Lesions with 6-Hydroxydopamine.
PB92-120492/REB 92-01 PC **A02**/MF **A01**

Neurobehavioral Evaluation System (NES) and School Performance.
PB92-124585/REB 92-01 PC **A03**/MF **A01**

Neurobehavioral Toxicology. Chapter 2.
PB92-166347/REB 92-01 PC **A03**/MF **A01**

Neurobiological Effects of Colchicine: Modulation by Nerve Growth Factor.
PB92-158633/REB 92-01 PC **A03**/MF **A01**

Neuroendocrine Responses to Social Regulation of Puberty in the Female House Mouse.
PB92-179779/REB 92-01 PC **A03**/MF **A01**

New Action for Topoisomerase Inhibitors.
PB92-110451/REB 92-01 PC **A03**/MF **A01**

New Developments in Emission Projection Methodologies.
PB92-139393/REB 92-01 PC **A02**/MF **A01**

New Methods for the Assessment of Immunotoxicity of Chemical Substances.
PB92-232859/REB 92-04 PC **A02**/MF **A01**

New Perspectives in Aquatic Redox Chemistry: Abiotic Transformations of Pollutants in Groundwater and Sediments.
PB92-166628/REB 92-01 PC **A03**/MF **A01**

New Two-Phase Flow and Transport Model with Interphase Mass Exchange.
PB92-206564/REB 92-04 PC **A03**/MF **A01**

NEXRAD Precipitation Information Application Forum Climate and Global Change.
PB92-180082/REB 92-01 PC **A03**/MF **A01**

Nitrate Occurence in U.S. Waters (and Related Questions). A Reference Summary of Published Sources from an Agricultural Perspective.
PB92-155696/REB 92-01 PC **A03**/MF **A01**

Nitric Oxide Formation during Pulverized Coal Combustion.
PB92-121433/REB 92-01 PC **A03**/MF **A01**

NO/Char Reactions at Pulverized Coal Flame Conditions.
PB92-121417/REB 92-01 PC **A03**/MF **A01**

No Migration Variances to the Hazardous Waste Land Disposal Prohibitions: A Guidance Manual for Petitioners (July 1992).
PB92-207695/REB 92-04 PC **A05**/MF **A02**

Non-Equilibrium Effects in the Vaporization of Multicomponent Fuel Droplets.
PB92-121425/REB 92-01 PC **A02**/MF **A01**

Non-Stormwater Discharges into Storm Drainage Systems.
PB92-158559/REB 92-01 PC **A03**/MF **A01**

Nonroad Engine and Vehicle Emission Study-Report.
PB92-126960/REB 92-01 PC **A24**/MF **A04**

Nonroad Engine and Vehicle Emission Study-Report and Appendixes.
PB92-104462/REB 92-01 PC **A20**/MF **A04**

Notification Requirements for Continuous Releases of Hazardous Substances.
PB92-963422/REB 92-04 PC **A02**/MF **A01**

Novel Method of Reducing Transient Emissions from Rotary Kiln Incinerators through Modified Waste Packaging.
PB92-195932/REB 92-01 PC **A02**/MF **A01**

NPL Characterization Project: National Results.
PB92-963304/REB 92-01 PC **A07**/MF **A02**

NPL Characterization Project: Region 1 Results.
PB92-963305/REB 92-01 PC **A05**/MF **A01**

NPL Characterization Project: Region 2 Results.
PB92-963306/REB 92-01 PC **A05**/MF **A01**

NPL Characterization Project: Region 3 Results.
PB92-963307/REB 92-01 PC **A05**/MF **A01**

NPL Characterization Project: Region 4 Results.
PB92-963308/REB 92-01 PC **A05**/MF **A01**

NPL Characterization Project: Region 5 Results.
PB92-963309/REB 92-01 PC **A05**/MF **A01**

NPL Characterization Project: Region 6 Results.
PB92-963310/REB 92-01 PC **A05**/MF **A01**

NPL Characterization Project: Region 7 Results.
PB92-963311/REB 92-01 PC **A05**/MF **A01**

NPL Characterization Project: Region 8 Results.
PB92-963312/REB 92-01 PC **A05**/MF **A01**

NPL Characterization Project: Region 9 Results.
PB92-963313/REB 92-01 PC **A05**/MF **A01**

NPL Characterization Project: Region 10 Results.
PB92-963314/REB 92-01 PC **A05**/MF **A01**

Numerical Calculation: Aspiration Efficiency of Aerosols into Thin-Walled Sampling Inlets.
PB92-132901/REB 92-01 PC **A06**/MF **A02**

Nutrient Leaching from Conifer Needles in Relation to Foliar Apoplast Cation Exchange Capacity.
PB92-153378/REB 92-01 PC **A02**/MF **A01**

Nutritional Role of Endosymbiotic Bacteria in Animal-Bacteria Symbioses: 'Solemya velum', a Case Study.
PB92-112895/REB 92-01 PC **A17**/MF **A04**

Nutritional Value of 'Artemia' and 'Tigriopus californicus' (Baker) for Two Pacific Mysid Species, 'Metamysidopsis elongata' (Holmes) and 'Mysidopsis intii' (Holmquist).
PB92-108000/REB 92-01 PC **A03**/MF **A01**

Observations of Transport of Trace Gases by Vigorous Convective Clouds.
PB92-158484/REB 92-01 PC **A02**/MF **A01**

Observations on Studies Useful to Asbestos Operations and Management Activities.
PB92-136860/REB 92-01 PC **A03**/MF **A01**

Office of Wetlands, Oceans and Watersheds Publications.
PB92-224310/REB 92-04 PC **A03**/MF **A01**

Offsite environmental monitoring report: Radiation monitoring around United States nuclear test areas. Calendar year 1990.
DE92010386/REB 92-04 PC **A09**/MF **A02**

Oil and Gas Field Emissions Survey.
PB92-184977/REB 92-01 PC **A14**/MF **A03**

Oil Notifications: Emergency Response Notification System (ERNS) Fact Sheet.
PB92-963413/REB 92-04 PC **A01**/MF **A01**

Oil Spill Clean Up.
PB92-110469/REB 92-01 PC **A01**/MF **A01**

Oil Tanker Waste Disposal Practices: A Review.
PB92-196047/REB 92-01 PC **A03**/MF **A01**

On-Site Engineering Report for the Low-Temperature Thermal Desorption Pilot-Scale Test on Contaminated Soil.
PB92-216936/REB 92-04 PC **A07**/MF **A02**

On-Site Methods for Assessing Chemical Impact on the Soil Environment Using Earthworms: A Case Study at the Baird and McGuire Superfund Site, Holbrook, Massachusetts.
PB92-108166/REB 92-01 PC **A03**/MF **A01**

OPA Q's and A's: Overview of the Oil Pollution Act of 1990.
PB92-963348/REB 92-01 PC **A02**/MF **A01**

OPA Update: Implementation of the Oil Pollution Act of 1990. Volume 2, Number 1.
PB92-963420/REB 92-04 PC **A02**/MF **A01**

Open Path Ambient Measurements of Pollutants with a DOAS System.
PB92-192160/REB 92-01 PC **A02**/MF **A01**

Operations and Research at the U.S. EPA Incineration Research Facility: Annual Report for FY91.
PB92-239540/REB 92-04 PC **A06**/MF **A02**

Opportunistic Organisms and the Water Supply Connection.
PB92-179704/REB 92-01 PC **A03**/MF **A01**

Opportunities in Applied Environmental Research and Development.
PB92-223189/REB 92-04 PC **A08**/MF **A02**

Optimal Adaptive Local Grid Refinement Approach to Modeling Contaminant Transport.
PB92-217314/REB 92-04 PC **A03**/MF **A01**

Optimizing BTEX Biodegradation under Denitrifying Conditions.
PB92-124262/REB 92-01 PC **A03**/MF **A01**

Oregon, USA, Ecological Regions and Subregions for Water Quality Management.
PB92-180348/REB 92-01 PC **A03**/MF **A01**

Organic Contract Compliance Screening System (OCCSS) Software (OLM01.8 Version 2) (for Microcomputers).
PB92-502202/REB 92-04 CP **D02**

Organic Contract Compliance Screening System (OCCSS) Software (SOW February 1988) (for Microcomputers).
PB92-501501/REB 92-01 CP **D02**

Organic Contract Compliance Screening System (OCCSS) Software (SOW March 1990) (Version 1) (for Microcomputers).
PB92-501527/REB 92-01 CP **D02**

Organic Contract Compliance Screening System (OCCSS) Software (SOW OLM01.8 Version January 1992) (Version 1) (for Microcomputers).
PB92-501535/REB 92-01 CP **D02**

Organic Contract Compliance Screening System. Software for the PC (OLM01.8 Version 1). User Manual.
PB92-145564/REB 92-01 PC **A06**/MF **A02**

Organic Contract Compliance Screening System. Software for the PC (OLM01.8 Version 2) (User Manual).
PB92-169564/REB 92-04 PC **A06**/MF **A02**

Organic Contract Compliance Screening System. Software for the PC (SOW March 1990, Version 1). User Manual.
PB92-145572/REB 92-01 PC **A06**/MF **A02**

Organic Contract Compliance Screening System. Software for the PC (Version June 1990). User Manual.
PB92-145580/REB 92-01 PC **A08**/MF **A02**

Osmoregulatory Failure and Death of First-Year Largemouth Bass 'Micropterus salmoides' Exposed to Low pH and Elevated Aluminum, at Low Temperatures in Soft Water.
PB92-205236/REB 92-04 PC **A03**/MF **A01**

OSWER Source Book: *Training and Technology Transfer* Resources.
PB92-102169/REB 92-01 PC **A13**/MF **A03**

OSWER Superfund Telephone Directory, May 1992.
PB92-963264/REB 92-01 PC **E02**

OSWER Superfund Telephone Directory, October 1991.
PB92-963202/REB 92-01 PC **A03**/MF **A01**

Ovarian Mycosis in the Topsmelt 'Atherinops affinis'.
PB92-129691/REB 92-01 PC **A01**/MF **A01**

Overview, Conclusions, and Recommendations of the IPCS Collaborative Study on Complex Mixtures.
PB92-150689/REB 92-01 PC **A03**/MF **A01**

Overview of ERNS: Emergency Response Notification System (ERNS) Fact Sheet.
PB92-963412/REB 92-04 PC **A01**/MF **A01**

Overview of the Off-Site Policy for OSCs and RPMs.
PB92-963603/REB 92-01 PC **A01**/MF **A01**

Oxidation and Devolatilization of Nitrogen in Coal Char.
PB92-121441/REB 92-01 PC **A02**/MF **A01**

Oxidation-Reduction Capacities of Aquifer Solids.
PB92-110410/REB 92-01 PC **A02**/MF **A01**

Ozonation Byproducts: Identification of Bromohydrins from *the Ozonation Natural Waters with Enhanced Bromide* Levels.
PB92-232958/REB 92-04 PC **A02**/MF **A01**

Ozonation/Post-Chlorination of Humic Acid: A Model for Predicting Drinking Water Disinfection By-Products.
PB92-180280/REB 92-01 PC **A03**/MF **A01**

Ozone Decreases Spring Root Growth and Root Carbohydrate Content in Ponderosa Pine the Year Following Exposure.
PB92-144039/REB 92-01 PC **A02**/MF **A01**

Ozone Disinfection and Treatment of Urban Storm Drain Dry-Weather Flows: A Pilot Treatment Plant Demonstration Project on the Kenter Canyon Storm Drain System in Santa Monica.
PB92-239268/REB 92-04 PC **A06**/MF **A02**

Ozone-Induced Inflammatory Response in Pulmonary Cells.
PB92-232792/REB 92-04 PC **A04**/MF **A01**

PA-Score (Preliminary Assessment Score), Version 1.0 (for Microcomputers).
PB92-500032/REB 92-01 CP **D02**

PA-Score Software, Version 1.0. Users Manual and Tutorial.
PB92-963302/REB 92-01 PC **A04**/MF **A01**

Parallel Groundwater Computations Using PVM.
PB92-206572/REB 92-04 PC **A03**/MF **A01**

Parametric Analysis of the Installation and Operating Costs of Active Soil Depressurization Systems for Residential Radon Mitigation.
PB92-116037/REB 92-01 PC **A07**/MF **A02**

Parametric Evaluation of Powdered Activated Carbon Injection *for Control of Mercury Emissions from a Municipal* Waste Combustor.
PB92-195940/REB 92-01 PC **A03**/MF **A01**

Partitioning of the Sulfate Budget into Gas and Aqueous-Phase Components in the Regional Acid Deposition Model (RADM).
PB92-152966/REB 92-01 PC **A02**/MF **A01**

PAST: The Potential ARARs Selection Tool.
PB92-152941/REB 92-01 PC **A02**/MF **A01**

Patch Size of Forest Openings and Arthropod Populations.
PB92-108158/REB 92-01 PC **A03**/MF **A01**

Paying for Safe Water: Alternative Financing Mechanisms for State Drinking Water Programs.
PB92-117993/REB 92-01 PC **A04**/MF **A01**

Peer Review Workshop Report on a Framework for Ecological Risk Assessment.
PB92-213198/REB 92-04 PC **A06**/MF **A02**

Performance Characterization of a Model Bioreactor for the Biodegradation of Trichloroethylene by 'Pseudomonas cepacia' G4.
PB92-129717/REB 92-01 PC **A02**/MF **A01**

Performance Evaluation of a Variable Speed, Mixed Refrigerant Heat Pump.
PB92-143759/REB 92-01 PC **A04**/MF **A01**

Performance Evaluations of Pump-and-Treat Remediations.
PB92-114461/REB 92-01 PC **A03**/MF **A01**

Performance of Automated Ambient SO2 Analyzers with Respect to a Proposed 5-Minute Ambient Air Quality Standard.
PB92-192178/REB 92-01 PC **A03**/MF **A01**

Performance of Chlorine-Free Binary Zeotropic Refrigerant Mixtures in a Heat Pump.
PB92-149814/REB 92-01 PC **A05**/MF **A01**

Performances of Lagrangian and Eulerian Transport and Diffusion Models across Continental Scales.
PB92-158500/REB 92-01 PC **A02**/MF **A01**

Permeation of Multifunctional Acrylates through Selected Protective Glove Materials.
PB92-153915/REB 92-01 PC **A02**/MF **A01**

Permeation of Multifunctional Acrylates through Three Protective Clothing Materials.
PB92-164797/REB 92-01 PC **A06**/MF **A02**

Permeation Resistance of Glove Materials to Agricultural Pesticides.
PB92-227396/REB 92-04 PC **A03**/MF **A01**

Permit Tracking System (PTS): A User's Manual.
PB92-105659/REB 92-01 PC **A08**/MF **A02**

Permit Tracking System (PTS), Version 1.0 (for Microcomputers).
PB92-500347/REB 92-01 CP **D03**

Personnel Protection through Reconnaissance Robotics at Superfund Remedial Sites.
PB92-166743/REB 92-01 PC **A02**/MF **A01**

Pesticide Applicator Training Materials: A Bibliography.
PB92-780873/REB 92-01 PC**$97.50**/MF**$42.50**

Pesticide Compact Label File - 1990 Updates.
PB92-911600/REB 92-01 Subscription

*Pesticide Effects on Arthropod Natural Enemies: A Data*base Summary.
PB92-124163/REB 92-01 PC **A03**/MF **A01**

Pesticide Fact Sheet Number 91.1: Arsenic Acid (H3AsO4).
PB92-185826/REB 92-01 PC **A02**/MF **A01**

Pesticide Fact Sheet Number 111.1: Calcium Arsenate (Tolerance Revocation).
PB92-186410/REB 92-01 PC **A01**/MF **A01**

Pesticide Fact Sheet Number 112.1: Lead Arsenate.
PB92-185834/REB 92-01 PC **A01**/MF **A01**

Pesticide Fact Sheet Number 225: Dichlorvos (DDVP).
PB92-185818/REB 92-01 PC **A01**/MF **A01**

Pesticide Fact Sheet Number 226: Bensulfuron Methyl.
PB92-104389/REB 92-01 PC **A02**/MF **A01**

Pesticide Fact Sheet Number 227: Gokilaht.
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Pesticide Reregistration Handbook: How to Respond to the Reregistration Eligibility Document.
PB92-154806/REB 92-01 PC **A03**/MF **A01**

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Pesticide Safety for Farmworkers (Uso Seguro de Pesticidas para los Trabajadores del Campo).
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Pilot Study to Compare Created and Natural Wetlands in Western Washington and Evaluate Methods.
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PIRLA DBMS Quick Reference Guide.
PB92-110824/REB 92-01 PC **A08**/MF **A02**

Plant Tier Testing: A Workshop to Evaluate Nontarget Plant Testing in Subdivision J Pesticide Guidelines. Held in Corvallis, Oregon on November 29-December 1, 1990.
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Political Subdivision Involvement in Superfund.
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Pollution Prevention Opportunity Assessment Histology Laboratory Xylene Use, Fort Carson, Colorado.
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Polychlorinated Biphenyls.
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Polycyclic Aromatic Hydrocarbons and Their Derivatives in Indoor and Outdoor Air in an Eight-Home Study.
PB92-166701/REB 92-01 PC **A03**/MF **A01**

Polyploidy Induction as a Consequence of Topoisomerase Inhibition. A Flow Cytometric Assessment.
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Possible Approaches to Establishing Interlaboratory Comparability of Measurements of Polychlorinated Biphenyls in Human Serum.
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Potential Uses of Phosphogypsum and Associated Risks. Background Information Document.
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Potentiation of Inhibition with Perforant Path Kindling: An NMDA-Receptor Dependent Process.
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Practical Directory to Phycovirus Literature.
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Predicting Chemical Concentration Effects on Transformation Rates of Dissolved Organics by Complex Microbial Assemblages.
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Predicting Chemical Reactivity by Computer.
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Predicting the Precipitation of Acid and Direct Dyes in Natural Waters.
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Predicting the Toxicity of Bulk Sediments to Aquatic Organisms with Aqueous Test Fractions: Pore Water versus Elutriate.
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Prediction of the Solubility of Hydrophobic Compounds in Nonideal Solvent Mixtures.
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Predictions of Azeotropes Formed from Fluorinated Ethers, Ethanes, and Propanes.
PB92-195908/REB 92-01 PC **A03**/MF **A01**

Predictive Assay for Rodent Carcinogenicity Using In vivo Biochemical Parameters: Operational Characteristics and Complementarity.
PB92-206390/REB 92-04 PC **A03**/MF **A01**

Preface and Introduction to 'The Response of Western Forests to Air Pollution'.
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Preliminary Data Summary for the Wood Preserving Segment of the Timber Products Processing Point Source Category.
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Preliminary Ranking Evaluation Score (PREscore) Version 1.1 (for Microcomputers).
PB92-503507/REB 92-04 CP **D02**

Preliminary Results of a Pesticide Leaching Study at Plains, Georgia.
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Preliminary Risk Assessment for Bacteria in Municipal Sewage Sludge Applied to Land.
PB92-126820/REB 92-01 PC **A10**/MF **A03**

Preliminary Risk Assessment for Viruses in Municipal Sewage Sludge Applied to Land.
PB92-198548/REB 92-01 PC **A09**/MF **A03**

Preliminary Use and Substitutes Analysis of Lead and Cadmium in Products in Municipal Solid Waste.
PB92-162551/REB 92-01 PC **A09**/MF **A02**

Preparation and Regeneration of Protoplasts of 'Colletotrichum gloeosporioides' f. p. 'Aeschynomene'.
PB92-195734/REB 92-01 PC **A02**/MF **A01**

PREscore Software. Users Manual and Tutorial. Version 1.0.
PB92-963349/REB 92-01 PC **A05**/MF **A01**

Presentations EPA-State Soil Standards Conference. Held in Crystal City, Virginia on January 29, 1991.
PB92-963350/REB 92-01 PC **A08**/MF **A02**

Preserving Our Future Today: Your Guide to the United States Environmental Protection Agency.
PB92-226190/REB 92-04 PC **A03**/MF **A01**

Prevention of Waterborne Cholera in the United States.
PB92-136886/REB 92-01 PC **A02**/MF **A01**

Principles of Identifying and Characterizing Neurotoxicity.
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Probability of Plume Interception Using Conditional Simulation of Hydraulic Head and Inverse Modeling.
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Probability Sampling and Population Inference in Monitoring Programs.
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Problems Associated with Published Environmental Fate Data.
PB92-101666/REB 92-01 PC **A03**/MF **A01**

Procedures for Emission Inventory Preparation. Volume 4: Mobile Sources.
PB92-209386/REB 92-04 PC **A11**/MF **A03**

Procedures for Establishing Emissions for Early Reduction Compliance Extensions. Volume 1. Synthetic Organic Chemical Manufacturing, Ethylene Oxide Sterilization, and Chromium Electroplating.
PB92-176221/REB 92-01 PC **A05**/MF **A01**

Procedures for the Preparation of Emission Inventories for Carbon Monoxide and Precursors of Ozone. Volume 1. General Guidance for Stationary Sources.
PB92-112168/REB 92-01 PC **A11**/MF **A03**

Proceedings of a Conference: Water Quality Standards for the 21st Century. Held in Arlington, Virginia, on December 10-12, 1990.
PB92-231828/REB 92-04 PC **A12**/MF **A03**

Proceedings of a National Conference: Water Quality Standards for the 21st Century. Held in Dallas, Texas on March 1-3, 1989.
PB92-231810/REB 92-04 PC **A11**/MF **A03**

Proceedings of a Symposium: Biological Criteria Research and Regulation. Held in Arlington, Virginia on December 12-13, 1990.
PB92-231505/REB 92-04 PC **A09**/MF **A02**

Proceedings of International Workshop on Research in Pesticide Treatment/Disposal/Waste Minimization. Held in Cincinnati, Ohio on February 26-27, 1991.
PB92-119940/REB 92-01 PC **A10**/MF **A03**

Proceedings of the International Workshop on Large-Scale Reforestation. Held in Corvallis, Oregon on May 9-10, 1990.
PB92-109131/REB 92-01 PC **A08**/MF **A02**

Proceedings of the Workshop on Radon Potential Mapping, Florida Radon Research Program. Held in Gainesville, Florida on April 20, 1990.
PB92-115278/REB 92-01 PC **A04**/MF **A01**

Proceedings on the National United States Environmental Protection Agency Conference on Household Hazardous Waste Management (6th). Held in Seattle, Washington on December 3-7, 1991.
PB92-169390/REB 92-01 PC **A99**/MF **E08**

Proceedings: The 1991 International Symposium on Radon and Radon Reduction Technology. Held in Philadelphia, Pennsylvania on April 2-5, 1991.
PB92-115344/REB 92-01 PC **E99**/MF **E99**

Proceedings: The 1991 International Symposium on Radon and Radon Reduction Technology. Volume 1. Symposium Oral Papers Opening Session and Technical Sessions 1 through 5.
PB92-115351/REB 92-01 PC **A18**/MF **A04**

Proceedings: The 1991 International Symposium on Radon and Radon Reduction Technology. Volume 2. Symposium Oral Papers Technical Sessions 6 through 10.
PB92-115369/REB 92-01 PC **A19**/MF **A04**

Proceedings: The 1991 International Symposium on Radon and Radon Reduction Technology. Volume 3. Symposium Panel and Poster Papers Technical Sessions 1 through 5.
PB92-115377/REB 92-01 PC **A20**/MF **A04**

Proceedings: The 1991 International Symposium on Radon and Radon Reduction Technology. Volume 4. Symposium Poster Papers Technical Sessions 6 through 10.
PB92-115385/REB 92-01 PC **A13**/MF **A03**

Proceedings: 1989 International Conference on Municipal Waste Combustion. Held in Hollywood, Florida, on April 11-14, 1989.
PB92-174655/REB 92-01 PC **E99**/MF **E99**

Proceedings: 1989 International Conference on Municipal Waste Combustion. Volume 1. Sessions 0, 1, 2, and 3. Held in Hollywood, Florida, on April 11-14, 1989.
PB92-174663/REB 92-01 PC **A19**/MF **A04**

Proceedings: 1989 International Conference on Municipal Waste Combustion. Volume 2. Sessions 4, 5, and 6. Held in Hollywood, Florida on April 11-14, 1989.
PB92-174671/REB 92-01 PC **A19**/MF **A04**

Proceedings: 1989 International Conference on Municipal Waste Combustion. Volume 3. Sessions 7 and 8. Held in Hollywood, Florida, on April 11-14, 1989.
PB92-174689/REB 92-01 PC **A19**/MF **A04**

Proceedings: 1989 International Conference on Municipal Waste Combustion. Volume 4. Sessions 9, 10, 11, and 12. Held in Hollywood, Florida on April 11-14, 1989.
PB92-174697/REB 92-01 PC **A21**/MF **A04**

Proconvulsant Activity of Endosulfan in Amygdala Kindling.
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Procuring Innovative Technologies at Remedial Sites: Q's and A's and Case Studies.
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Program to Determine Performance of Fluorinated Ethers and Fluorinated Propanes in a Compressor Calorimeter.
PB92-139468/REB 92-01 PC **A03**/MF **A01**

Progress Report of the Baywide Nutrient Reduction Reevaluation: Chesapeake Bay Program.
PB92-161033/REB 92-01 PC **A04**/MF **A01**

Progress Toward Implementing Superfund, Fiscal Year 1990: A Report to the Congress.
PB92-963256/REB 92-01 PC **E05**/MF **A04**

Project Manager's Guide to Requesting and Evaluating Chemical Analyses. Puget Sound Estuary Program.
PB92-132794/REB 92-01 PC **A06**/MF **A02**

Projected Regulatory, Programmatic and Fiscal Impacts of EPA's Strawman-II on State Mine Waste Management Programs.
PB92-190149/REB 92-01 PC **E99**

Projected Regulatory, Programmatic and Fiscal Impacts of EPA's Strawman-II on State Mine Waste Management Programs. Volume 1. Summary Report.
PB92-190156/REB 92-01 PC **A04**/MF **A01**

Projected Regulatory, Programmatic and Fiscal Impacts of EPA's Strawman-II on State Mine Waste Management Programs. Volume 2. State Reports of Western Governors' Association Mine Waste Task Force States.
PB92-190164/REB 92-01 PC **A99**

Projected Regulatory, Programmatic and Fiscal Impacts of EPA's Strawman-II on State Mine Waste Management Programs. Volume 3. Appendix: State Reports Interstate Coalition on Mine Waste.
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Prophage Induction by DNA Topoisomerase II Poisons and Reactive-Oxygen Species: Role of DNA Breaks.
PB92-195866/REB 92-01 PC **A03**/MF **A01**

Prospects for In situ Chemical Treatment for Contaminated Soil.
PB92-126929/REB 92-01 PC **A02**/MF **A01**

Protecting Endangered Species: Interim Measures, Aransas County, Texas.
PB92-232644/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, Austin County, Texas.
PB92-232545/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, Avery County, North Carolina.
PB92-231109/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, Baker County, Georgia.
PB92-232404/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, Bolivar County, Mississippi.
PB92-232610/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, Burke County, Georgia.
PB92-232685/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, Carter County, Tennessee.
PB92-232537/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, Clayton County, Iowa.
PB92-232628/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, Cochise County, Arizona.
PB92-232602/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, Coconino County, Arizona.
PB92-232636/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, Colorado County, Texas.
PB92-232719/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, Culberson County, Texas.
PB92-232412/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, Davidson County, Tennessee.
PB92-232735/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures. Decatur County, Georgia.
PB92-231117/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, Dooly County, Georgia.
PB92-232750/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, Dubuque County, Iowa.
PB92-232560/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, El Paso County, Texas.
PB92-232420/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, Fayette County, Iowa.
PB92-232578/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, Floyd County, Georgia.
PB92-232727/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, Franklin County, Tennessee.
PB92-231091/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, Gordon County, Georgia.
PB92-232743/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, Graham County, Arizona.
PB92-232529/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, Habersham County, Georgia.
PB92-232586/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, Henderson County, North Carolina.
PB92-232768/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, Hudspeth County, Texas.
PB92-232487/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, Jackson County, Mississippi.
PB92-232495/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, Lee County, Georgia.
PB92-232776/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, Mitchell County, North Carolina.
PB92-232651/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, Mohave County, Arizona.
PB92-232669/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, Monongalia County, West Virginia.
PB92-232438/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, Navajo County, Arizona.
PB92-232511/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, Rabun County, Georgia.
PB92-232594/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, Stephens County, Georgia.
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Protecting Endangered Species: Interim Measures, Sumter County, Georgia.
PB92-232701/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, Sunflower County, Mississippi.
PB92-232552/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, Towns County, Georgia.
PB92-232503/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures. Walker County, Georgia.
PB92-226224/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, Wheeler County, Georgia.
PB92-232693/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, Wilson County, Tennessee.
PB92-231083/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, Yavapai County, Arizona.
PB92-232677/REB 92-04 PC **A01**/MF **A01**

Protecting Our Drinking Water from Microbes.
PB92-140581/REB 92-01 PC **A03**/MF **A01**

Protecting the Nation's Ground Water: EPA's Strategy for the 1990s: The Final Report of the EPA Ground-Water Task Force.
PB92-224765/REB 92-04 PC **A05**/MF **A01**

Protection of Nut Crops, 1979-April 1991. Citations from AGRICOLA Concerning Diseases and Other Environmental Considerations.
PB92-140219/REB 92-01 PC **A12**/MF **A03**

Protection of Stored Grains, 1979-April 1991. Citations from AGRICOLA Concerning Diseases and Other Environmental Considerations.
PB92-140243/REB 92-01 PC **A11**/MF **A03**

Protection of Tomatoes, Egg Plants, and Peppers: 1979-April 1991. Citations from AGRICOLA Concerning Diseases and Other Environmental Considerations.
PB92-140201/REB 92-01 PC **A11**/MF **A03**

Protein Adducts for Exposure Monitoring: A Computerized Database (CPAD) (Version 1) (for Microcomputers).
PB92-501873/REB 92-01 CP **D02**

Protein Adducts for Exposure Monitoring: A Computerized Database. Software and User's Manual.
PB92-155431/REB 92-01 PC **A03**/MF **A01**

Protocol for Testing the Effects of Fungal Pesticides on Nontarget Beetles Using 'Hippodamia convergens' (Coleoptera: Coccinellidae).
PB92-217488/REB 92-04 PC **A03**/MF **A01**

Protocols for Evaluating Oxidant Mechanisms for Urban and Regional Models.
PB92-205848/REB 92-04 PC **A06**/MF **A02**

Proximity of Louisiana Sanitary Landfills to Wetlands and Deepwater Habitats.
PB92-164953/REB 92-01 PC **A02**/MF **A01**

Pseudopregnancy and the Decidual Cell Response (DCR) in the Rat.
PB92-126895/REB 92-01 PC **A03**/MF **A01**

Puget Sound Pesticide Reconnaissance Survey, 1990.
PB92-104504/REB 92-01 PC **A06**/MF **A02**

QAQPS Control Cost Manual (Fourth Edition). Supplement 1.
PB92-137181/REB 92-01 PC **A05**/MF **A01**

QSARs for Predicting Biotic and Abiotic Reductive Transformation Rate Constants of Halogenated Hydrocarbons in Anoxic Sediment Systems.
PB92-166792/REB 92-01 PC **A03**/MF **A01**

QSARs for Predicting Reductive Transformation Rate Constants of Halogenated Aromatic Hydrocarbons in Anoxic Sediment Systems.
PB92-166800/REB 92-01 PC **A03**/MF **A01**

Quality and Environmental Protection: The EPA QA Program.
PB92-143791/REB 92-01 PC **A02**/MF **A01**

Quality Assurance Plan for the National Pesticide Survey of Drinking Water Wells: Analytical Method 2 - Chlorinated Pesticides.
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Quality Assurance Planning for Stationary Source Field Sampling.
PB92-188804/REB 92-01 PC **A02**/MF **A01**

Quality Assurance Project Plan for the National Pesticide Survey of Drinking Water Wells.
PB92-168509/REB 92-04 PC **A07**/MF **A02**

Quality Assurance Project Plan for the National Pesticide Survey of Drinking Water Wells: Analytical Method 1.
PB92-168590/REB 92-04 PC **A08**/MF **A02**

Quality Assurance Project Plan for the National Pesticide Survey of Drinking Water Wells: Analytical Method 1 - Nitrogen/Phosphorous Pesticides and Analytical Method 3 - Chlorinated Acid Herbicides.
PB92-168517/REB 92-04 PC **A12**/MF **A03**

Quality Assurance Project Plan for the National Pesticide Survey of Drinking Water Wells: Analytical Method 3.
PB92-168608/REB 92-04 PC **A09**/MF **A02**

Quality Assurance Project Plan for the National Pesticide Survey of Drinking Water Wells: Analytical Method 5 - Methyl Carbamates.
PB92-168541/REB 92-04 PC **A06**/MF **A02**

Quality Assurance Project Plan for the National Pesticide Survey of Drinking Water Wells: Analytical Method 6.
PB92-168558/REB 92-04 PC **A07**/MF **A02**

Quality Assurance Project Plan for the National Pesticide Survey of Drinking Water Wells: Analytical Method 6 - Ethylene Thiourea.
PB92-168616/REB 92-04 PC **A07**/MF **A02**

Quality Assurance Project Plan for the National Pesticide Survey of Drinking Water Wells: Analytical Method 7 - Fumigants.
PB92-168566/REB 92-04 PC **A06**/MF **A02**

Quality Assurance Project Plan for the National Pesticide Survey of Drinking Water Wells: Analytical Method 9 - Nitrate and Nitrite.
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RCRA Permit Policy Compendium. Volume 6 (9444.1987-9457.1990). Identification and Listing of Hazardous Waste (Part 261). Lists (Cont'd), Generator Standards (Part 262), General, Pretransportation, Recordkeeping, Special Conditions, Importing.
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Reply to 'Selective Development Toxicity: Misuse of the Concept via Mis-Application of a Mis-Defined 'A/D Ratio'. (Letter to the Editor).
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PB92-166826/REB 92-01 PC **A05**/MF **A01**

Report of the Great Lakes Air Toxics Research Priorities Workshop. Held at Navarre, Minnesota on March 11-13, 1991.
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Report to Congress on Ocean Dumping, 1987-1990.
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Risk Assessment Guidance for Superfund. Volume 1. Human Health Evaluation Manual (Part C).
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Role of Property-Reactivity Relationships in Meeting the EPA's Needs for Environmental Fate Constants.
PB92-232941/REB 92-04 PC **A02**/MF **A01**

Rotating Biological Contactors. Engineering Bulletin.
PB92-235936/REB 92-04 PC **A02**/MF **A01**

Routine Estimation and Reporting of Dry Deposition for the U.S.A. Dry Deposition Network.
PB92-121144/REB 92-01 PC **A03**/MF **A01**

Running a Conference as a Clean Product. International Conference on Pollution Prevention: Clean Technologies and Clean Products. Held in Washington, DC. on June 10-13, 1990.
PB92-109099/REB 92-01 PC **A03**/MF **A01**

Safe Drinking Water Act: 1986 Amendments.
PB92-140607/REB 92-01 PC **A02**/MF **A01**

Safe Drinking Water from Small Systems: Treatment Options.
PB92-198605/REB 92-04 PC **A02**/MF **A01**

Sampling and Analysis Design for Development of Everett Harbor Action Program.
PB92-166875/REB 92-01 PC **A04**/MF **A01**

Sampling and Analysis of PCDDs and PCDFs in Stationary Source Emission Air Samples.
PB92-166677/REB 92-01 PC **A02**/MF **A01**

Sampling of Contaminated Sites.
PB92-110436/REB 92-01 PC **A02**/MF **A01**

Sampling Polycyclic Aromatic Hydrocarbons and Related Semivolatile Organic Compounds in Indoor Air.
PB92-198274/REB 92-04 PC **A03**/MF **A01**

Science Policy Interface (Chapter 12).
PB92-143841/REB 92-01 PC **A03**/MF **A01**

Screening Methods for the Development of Air Toxics Emission Factors.
PB92-108778/REB 92-01 PC **A20**/MF **A04**

Searching for a Water Supply Connection in the Cabool, Missouri Disease Outbreak of 'Escherichia coli' 0157:H7.
PB92-235662/REB 92-04 PC **A03**/MF **A01**

Seasonal and Annual Biogenic Emission Inventories for the U.S. and Canada.
PB92-139427/REB 92-01 PC **A03**/MF **A01**

Seasonal Variations of Stable Hydrogen and Carbon Isotope Ratios of Methane in Subtropical Freshwater Sediments.
PB92-217181/REB 92-04 PC **A03**/MF **A01**

Second EPA Evaluation of the Platinum Gasaver Device under Section 511 of the Motor Vehicle Information and Cost Savings Act (Updated).
PB92-104413/REB 92-01 PC **A03**/MF **A01**

Section 3008(h) Module Order on Consent.
PB92-105477/REB 92-01 PC **A03**/MF **A01**

Sediment Classification Methods Compendium.
PB92-231679/REB 92-04 PC **A13**/MF **A03**

SELCTV System Manual for SELCTV and REFER Databases and the SELCTV Data Management Program.
PB92-113455/REB 92-01 PC **A04**/MF **A01**

Selecting Priority Nonpoint Source Projects: You Better Shop Around.
PB92-233063/REB 92-04 PC **A03**/MF **A01**

Selection Kinetics during Serial Cell Culture Passage of Mixtures of Wild-Type 'Autographa californica' Nuclear Polyhedrosis Virus and Its Recombinant Ac360-Beta-gal.
PB92-143874/REB 92-01 PC **A02**/MF **A01**

Selection of a Base Serum for the Preparation of Quality Control Pools Containing Environment Analytes.
PB92-153840/REB 92-01 PC **A03**/MF **A01**

Selection of Adduct-Forming Chemicals for Human Monitoring Studies.
PB92-132877/REB 92-01 PC **A05**/MF **A01**

Selection of Control Technologies for Remediation of Lead Battery Recycling Sites.
PB92-114537/REB 92-01 PC **A08**/MF **A02**

Selection of Surrogates for a Genetically Engineered Microorganism with Cellulolytic Capability for Ecological Studies in Streams.
PB92-195791/REB 92-01 PC **A03**/MF **A01**

Seminar Publication: Nonpoint Source Watershed Workshop. Held in New Orleans, Louisiana, January 29-31, 1991.
PB92-137504/REB 92-01 PC **A10**/MF **A03**

Sensitivity of Modeled Ozone Concentrations to Uncertainties in Biogenic Emissions.
PB92-192202/REB 92-01 PC **A10**/MF **A03**

Sensitivity of RADM to Point Source Emissions Processing.
PB92-152982/REB 92-01 PC **A02**/MF **A01**

Sensory Evoked Potentials: Measures of Neurotoxicity.
PB92-164805/REB 92-01 PC **A04**/MF **A01**

Separation of Hazardous Organics by Low Pressure Membranes: Treatment of Soil-Wash Rinse-Water Leachates.
PB92-153436/REB 92-01 PC **A07**/MF **A02**

Sequencing Batch Reactors: Summary Report.
PB92-216969/REB 92-04 PC **A03**/MF **A01**

Serial Spatial Reversal Learning in Rats: Comparison of Instrumental and Automaintenance Procedures.
PB92-143940/REB 92-01 PC **A02**/MF **A01**

Serological Cross-Reactions between 'Escherichia coli' O157 and other Species of the Genus 'Escherichia'.
PB92-180306/REB 92-01 PC **A01**/MF **A01**

Significance of Supernumerary Ribs in Rodent Developmental Toxicity Studies: Postnatal Persistence in Rats and Mice.
PB92-113299/REB 92-01 PC **A02**/MF **A01**

Simplified Modeling of Air Flow Dynamics in SSD Radon Mitigation Systems for Residences with Gravel Beds.
PB92-195635/REB 92-01 PC **A05**/MF **A01**

Simulation Results of Single Refrigerants for Use in a Dual-Circuit Refrigerator/Freezer.
PB92-153790/REB 92-01 PC **A01**/MF **A01**

Slowing the Increase of Atmospheric Carbon Dioxide: A Biological Approach.
PB92-144070/REB 92-01 PC **A02**/MF **A01**

Smart Moves in Superfund - Regional Initiatives. Volume 1, Number 1, February 1992.
PB92-963272/REB 92-04 PC **A01**/MF **A01**

Soil-Air Permeability Method Evaluation.
PB92-124239/REB 92-01 PC **A02**/MF **A01**

Soil Response to S and N Treatments in a Northern New England Low Elevation Coniferous Forest.
PB92-150556/REB 92-01 PC **A03**/MF **A01**

Soil Vapor Extraction Column Experiments on Gasoline Contaminated Soil.
PB92-226430/REB 92-04 PC **A05**/MF **A01**

Solid Waste Contract Negotiation Handbook.
PB92-232172/REB 92-04 PC **A05**/MF **A01**

Solidification/Stabilization: Is It Always Appropriate.
PB92-191188/REB 92-01 PC **A03**/MF **A01**

Solvent Use Emissions Estimation Methodologies: Future Implications.
PB92-150440/REB 92-01 PC **A03**/MF **A01**

Some Constitutive Modifiers of the Kinetic and Dynamic Behavior of Non-Essential Metals.
PB92-227347/REB 92-04 PC **A03**/MF **A01**

Sorbent/Urea Slurry Injection for Simultaneous SO2/NOx Removal.
PB92-195817/REB 92-01 PC **A02**/MF **A01**

Sorption of Heavy Metals by the Soil Fungi 'Aspergillus niger' and Mucor rouxii.
PB92-179811/REB 92-01 PC **A02**/MF **A01**

Source Reconciliation of Ambient Volatile Organic Compounds Measured in the Atlanta 1990 Summer Study: The Mobile Source Component.
PB92-124130/REB 92-01 PC **A03**/MF **A01**

Sources of Variation in the Mutagenic Potency of Complex Chemical Mixtures Based on the Salmonella/Microsome Assay.
PB92-150713/REB 92-01 PC **A03**/MF **A01**

Spatial and Temporal Analysis of Non-Urban Ozone Concentrations over the Eastern United States Using Rotated Principal Component Analysis.
PB92-192152/REB 92-01 PC **A02**/MF **A01**

Spatial Learning Deficits Are Not Solely Due to Cholinergic Deficits Following Medial Septal Lesions with Colchicine.
PB92-206317/REB 92-04 PC **A03**/MF **A01**

Spatial Variability of Geochemical and Hydrologic Properties of Subsurface Materials in a Sand and Gravel Aquifer, Cape Cod, Massachusetts.
PB92-179126/REB 92-01 PC **A02**/MF **A01**

Special Interest Group (SIG) Forum for Fish Consumption Risk Management. User's Manual, v.1.0: A Division of the Nonpoint Source Information Exchange Computer Bulletin Board System (NPS BBS).
PB92-231687/REB 92-04 PC **A04**/MF **A01**

Specificity of Cellular DNA-Binding Sites of Microbial Populations in a Florida Reservoir.
PB92-129618/REB 92-01 PC **A02**/MF **A01**

Spectroscopic Study of Surface Redox Reactions With Manganese Oxides.
PB92-179637/REB 92-01 PC **A02**/MF **A01**

Spodosol Cation Release and Buffering of Acidic Inputs.
PB92-150580/REB 92-01 PC **A02**/MF **A01**

Spongiosis Hepatis: Chemical Induction, Pathogenesis, and Possible Neoplastic Fate in a Teleost Fish Model.
PB92-195700/REB 92-01 PC **A03**/MF **A01**

Stability and Transport of Inorganic Colloids through Contaminated Aquifer Material.
PB92-164839/REB 92-01 PC **A02**/MF **A01**

Stability of Air Toxic Gases Listed in Title III Clean Air Act Amendments.
PB92-188812/REB 92-01 PC **A03**/MF **A01**

Stability of Tropospheric OH during Ice Ages, Inter-Glacial Epochs and Modern Times.
PB92-166669/REB 92-01 PC **A02**/MF **A01**

Stabilization Technologies for RCRA Corrective Actions. Handbook.
PB92-114495/REB 92-01 PC **A04**/MF **A01**

Standard Measurement Protocols: Florida Radon Research Program.
PB92-115294/REB 92-01 PC **A06**/MF **A02**

Standard Operating Procedures for Lead in Paint by Hotplate - or Microwave-Based Acid Digestions and Atomic Absorption or Inductively Coupled Plasma Emission Spectrometry.
PB92-114172/REB 92-01 PC **A03**/MF **A01**

Standard Operating Procedures for Measurement of Lead in Paint Using the SCITEC MAP-3 X-ray Fluorescence Spectrometer.
PB92-114180/REB 92-01 PC **A04**/MF **A01**

Standard Operating Safety Guides.
PB92-963414/REB 92-04 PC **A09**/MF **A03**

Standard Reference Materials for Chemical and Biological Studies of Complex Environmental Samples.
PB92-150705/REB 92-01 PC **A03**/MF **A01**

Standardized Costs for Water Supply Distribution (for Microcomputers).
PB92-501436/REB 92-01 CP **D02**

Standardized Costs for Water Supply Distribution Systems.
PB92-141290/REB 92-01 PC **A15**/MF **A03**

State and Local Involvement in the Superfund Program.
PB92-963329/REB 92-01 PC **A01**/MF **A01**

State Programs Advisory Number Nine.
PB92-149285/REB 92-01 PC **A99**/MF **E16**

Staten Island/New Jersey Urban Air Toxics Assessment Project. Quarterly and Summary Data (for Microcomputers). October 1987-March 1991.
PB92-504174/REB 92-04 CP **D02**

States' Efforts to Promote Lead-Acid Battery Recycling.
PB92-119965/REB 92-01 PC **A04**/MF **A01**

Stationary Combustion NOx Control: A Summary of the 1991 Symposium. Held in Washington, DC., March 25-28, 1991.
PB92-121375/REB 92-01 PC **A02**/MF **A01**

Statistical Approach to Predicting Chronic Toxicity of Chemicals to Fishes from Acute Toxicity Test Data. Data Tape Documentation.
PB92-169655/REB 92-04 PC **A06**/MF **A02**

Statistical Approach to Predicting Chronic Toxicity of Chemicals to Fishes from Acute Toxicity Test Data (for Microcomputers).
PB92-503119/REB 92-04 CP **D02**

Statistical Issues in Environmental Monitoring and Assessment.
PB92-178987/REB 92-01 PC **A03**/MF **A01**

Statistical Methodology for Exploring Elevational Differences in Precipitation Chemistry.
PB92-144088/REB 92-01 PC **A03**/MF **A01**

Status and Needs for Toxic Emission Inventories for Regional Dispersion and Deposition Modeling.
PB92-110394/REB 92-01 PC **A03**/MF **A01**

Status of Pesticides in Reregistration and Special Review.
PB92-190438/REB 92-01 PC **A14**/MF **A03**

Status of Pesticides in Reregistration and Special Review (Rainbow Report).
PB92-227636/REB 92-04 PC **A14**/MF **A03**

Status of Selected Air Pollution Control Programs, February 1992.
PB92-171966/REB 92-01 PC **A09**/MF **A02**

Status Report on Planktonic Cyanobacteria (Blue-Green Algae) and Their Toxins.
PB92-206259/REB 92-04 PC **A07**/MF **A02**

Status Report: State Compliance with CWA Section 303(c)(2)(B) as of February 4, 1990.
PB92-231695/REB 92-04 PC **A05**/MF **A01**

Stimulation of Reductive Dechlorination of Tetrachloroethene in Anaerobic Aquifer Microcosms by Addition of Short-Chain Organic Acids or Alcohols.
PB92-206465/REB 92-04 PC **A01**/MF **A01**

Storage of Combined Sewage in a Marine Waterbody.
PB92-158542/REB 92-01 PC **A03**/MF **A01**

Storm and Combined Sewer Pollution Control: A Compilation of Significant References.
PB92-114560/REB 92-01 PC **A03**/MF **A01**

Stratospheric Ozone Protection: An EPA Engineering Perspective.
PB92-136894/REB 92-01 PC **A02**/MF **A01**

Stress Crack Testing of Polyethylene Geomembranes.
PB92-217132/REB 92-04 PC **A03**/MF **A01**

Stress Interactions and Mycorrhizal Plant Response: Understanding Carbon Allocation Priorities.
PB92-144054/REB 92-01 PC **A03**/MF **A01**

Structural Characterization of Sulfonated Azo Dyes Using Liquid Secondary Ion Mass Spectrometry/Tandem Mass Spectrometry.
PB92-188861/REB 92-01 PC **A03**/MF **A01**

Study Design Considerations in Developmental Neurotoxicology.
PB92-206291/REB 92-04 PC **A02**/MF **A01**

Study of State Operator Certification Programs.
PB92-137199/REB 92-01 PC **A05**/MF **A01**

Study to Determine the Feasibility of Using a Ground-Penetrating Radar for More Effective Remediation of Subsurface Contamination.
PB92-169382/REB 92-04 PC **A06**/MF **A02**

Sub-Slab Pressure Field Extension in Schools and Other Large Buildings.
PB92-121268/REB 92-01 PC **A03**/MF **A01**

Subacute and Subchronic Oral Toxicity of 1,3-Dichloropropane in the Rat.
PB92-164912/REB 92-01 PC **A03**/MF **A01**

Subchronic Toxicity Study of Ozonated and Ozonated/Chlorinated Humic Acids in Sprague-Dawley Rats: A Model System for Drinking Water Disinfection.
PB92-164946/REB 92-01 PC **A02**/MF **A01**

Sulfate Retention and Cation Leaching of Forest Soils in Response to Acid Additions.
PB92-153394/REB 92-01 PC **A03**/MF **A01**

Sulfur Dynamics in Mineral Horizons of Two Northern Hardwood Soils. A Column Study with (35)S.
PB92-139955/REB 92-01 PC **A03**/MF **A01**

Sulfur Dynamics of Forest Ecosystems.
PB92-153048/REB 92-01 PC **A04**/MF **A01**

Sulfur Oxides Control Technology Series: Flue Gas Desulfurization. Dual Alkali Process.
PB92-150341/REB 92-01 PC **A03**/MF **A01**

Sulfur Oxides Control Technology Series: Flue Gas Desulfurization. Spray Dryer Process.
PB92-150358/REB 92-01 PC **A03**/MF **A01**

Summary of Available Information on the Levels and Control of Toxic Pollutants Discharges in the Printing and Publishing. Point Source Category.
PB92-231703/REB 92-04 PC **A08**/MF **A02**

Summary of NOx Control Technologies and Their Availability and Extent of Application.
PB92-158260/REB 92-01 PC **A06**/MF **A02**

Summary of Phase II Regulations: National Primary Drinking Water Regulation for 38 Inorganic and Synthetic Organic Chemicals.
PB92-122969/REB 92-01 PC **A04**/MF **A01**

Summary of Selected New Information on Effects of Ozone on Health and Vegetation: Supplement to 1986 Air Quality Criteria for Ozone and Other Photochemical Oxidants.
PB92-235670/REB 92-04 PC **A05**/MF **A02**

Summary of the 1991 EPA/AWMA International Symposium: Measurement of Toxic and Related Air Pollutants. Held in Durham, North Carolina on May 6-10, 1991.
PB92-110386/REB 92-01 PC **A03**/MF **A01**

Summary of Treatment Technology Effectiveness for Contaminated Soil.
PB92-963351/REB 92-01 PC **A23**/MF **A04**

Summary, Projections, and Recommendations. (Chapter 13).
PB92-152990/REB 92-01 PC **A03**/MF **A01**

Summary Report for the National Atmospheric Deposition Program National Trends Network (NADP/NTN) Site Visitation Program.
PB92-219823/REB 92-04 PC **A06**/MF **A02**

Summary Report for the National Atmospheric Deposition Program/National Trends Network (NADP/NTN) Site Visitation Program for the Period October 1989 through September 1990.
PB92-217298/REB 92-04 PC **A05**/MF **A01**

Sunken Vessels and Aircraft Containing Hazardous Materials in Puget Sound.
PB92-104512/REB 92-01 PC **A07**/MF **A02**

Sunlight-Induced Oxidation and Reduction of Organic Xenobiotics in Water, 1992.
PB92-150499/REB 92-01 PC **A03**/MF **A01**

SUPER ESP: Ultimate Electrostatic Precipitation.
PB92-113125/REB 92-01 PC **A03**/MF **A01**

Supercritical Water Oxidation: Engineering Bulletin.
PB92-224088/REB 92-04 PC **A02**/MF **A01**

Superfund Accelerated Cleanup Bulletin: Presumptive Remedies for Wood Treatment Facilities. Volume 1, Number 2, May 1992.
PB92-963361/REB 92-04 PC **A01**/MF **A01**

Superfund Accelerated Cleanup Bulletin. Volume 1, Number 1. Presumptive Remedies for Municipal Landfill Sites.
PB92-963367/REB 92-04 PC **A01**/MF **A01**

Superfund Accelerated Cleanup Bulletin. Volume 1, Number 3. Presumptive Remedies.
PB92-963371/REB 92-04 PC **A01**/MF **A01**

Superfund Accelerated Cleanup Model (SACM).
PB92-963263/REB 92-01 PC **A03**/MF **A01**

Superfund Contracts Management Issues.
PB92-963257/REB 92-01 PC **A02**/MF **A01**

Superfund Emergency Response Actions: A Summary of Federally-Funded Removals. Fifth Annual Report - Fiscal Year 1990.
PB92-963403/REB 92-01 PC **A08**/MF **A02**

Superfund: Enforcement.
PB92-963600/REB 92-01 Standing Order

Superfund Engineering Issue: Issues Affecting the Applicability and Success of Remedial/Removal Incineration Projects.
PB92-109081/REB 92-01 PC **A03**/MF **A01**

Superfund: Focusing on the Nation at Large. 1991 Update.
PB92-963252/REB 92-01 PC **A05**/MF **A01**

Superfund Innovative Technology Evaluation Program Demonstration Plan for Westinghouse Bio-Analytic Systems Pentachlorophenol Immunoassays.
PB92-170190/REB 92-01 PC **A08**/MF **A02**

Superfund Innovative Technology Evaluation Program: Progress and Accomplishments, Fiscal Year 1990. A Fourth Report to Congress.
PB92-224799/REB 92-04 PC **A05**/MF **A01**

Superfund Innovative Technology Evaluation Program: Spring Update to the Technology Profiles. Fourth Edition.
PB92-233121/REB 92-04 PC **A03**/MF **A01**

Superfund Innovative Technology Evaluation Program: Technology Profiles, Fourth Edition.
PB92-224294/REB 92-04 PC **A10**/MF **A03**

Superfund Innovative Technology Evaluation (SITE): Demonstration Bulletin. Flame Reactor, Horsehead Resource Development Company, Inc.
PB92-235613/REB 92-04 PC **A01**/MF **A01**

Superfund Innovative Technology Evaluation (Site) Report for the Westinghouse Bio-Analytic Systems Pentachlorophenol (PCP) Immunoassays.
PB92-188713/REB 92-01 PC **A06**/MF **A02**

Superfund Innovative Technology Evaluation: The Delaware SITE Study, 1989.
PB92-125749/REB 92-01 PC **A08**/MF **A02**

Superfund Policy Forum Update, Volume 1, Number 1, February 1992.
PB92-963262/REB 92-01 PC **A02**/MF **A01**

Superfund Program Implementation Manual, Fiscal Year 1993. Volumes 1 and 2.
PB92-963276/REB 92-04 PC **A18**/MF **A04**

Superfund: Program Policies and Administration.
PB92-963200/REB 92-01 Standing Order

Superfund Program: Ten Years of Progress.
PB91-921286/REB 92-01 PC **A04**/MF **A01**

Superfund Progress - Aficionado's Version: Progress as of June 30, 1992.
PB92-963278/REB 92-04 PC **A03**/MF **A01**

Superfund Progress - Aficionado's Version (Progress as of March 31, 1992).
PB92-963267/REB 92-01 PC **A03**/MF **A01**

Superfund Progress, Spring 1992.
PB92-963265/REB 92-01 PC **A03**/MF **A01**

Superfund Progress, Summer 1992.
PB92-963279/REB 92-04 PC **A03**/MF **A01**

Superfund: Record of Decision.
PB92-964700/REB 92-01 Standing Order

Superfund Record of Decision (EPA Region 1): Dover Municipal Landfill, Dover, NH. (First Remedial Action), September 1991.
PB92-963702/REB 92-01 PC **A13**/MF **A03**

Superfund Record of Decision (EPA Region 1): Groveland Wells, Operable Unit 1, Groveland, MA. (Second Remedial Action), September 1991.
PB92-963710/REB 92-04 PC **A11**/MF **A03**

Superfund Record of Decision (EPA Region 1): Iron Horse Park, Billerica, MA. (Second Remedial Action), June 1991.
PB92-963707/REB 92-04 PC **A12**/MF **A03**

Superfund Record of Decision (EPA Region 1): Mottolo Pig Farm, Raymond, NH. (First Remedial Action), March 1991.
PB92-963705/REB 92-01 PC **A08**/MF **A02**

Superfund Record of Decision (EPA Region 1): Nyanza Chemical Waste Dump, Operable Unit 2, Ashland, MA. (Second Remedial Action), September 1991.
PB92-963704/REB 92-01 PC **A09**/MF **A02**

Superfund Record of Decision (EPA Region 1): Savage Municipal Water Supply, Milford, NH. (First Remedial Action), September 1991.
PB92-963706/REB 92-04 PC **A14**/MF **A03**

Superfund Record of Decision (EPA Region 1): Silresim Chemical, MA. (First Remedial Action), September 1991.
PB92-963709/REB 92-04 PC **A13**/MF **A03**

Superfund Record of Decision (EPA Region 1): Sullivan's Ledge Superfund Site, Middle Marsh Operable Unit, New Bedford, MA. (First Remedial Action), September 1991.
PB92-963708/REB 92-04 PC **A13**/MF **A03**

Superfund Record of Decision (EPA Region 1): Union Chemical, South Hope, ME. (First Remedial Action), December 1990.
PB92-963703/REB 92-01 PC **A13**/MF **A03**

Superfund Record of Decision (EPA Region 1): Western Sand and Gravel, RI. (Second Remedial Action), September 1985.
PB92-183284/REB 92-04 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 1): Western Sand and Gravel Site, Burrillville and North Smithfield, RI. (Third Remedial Action), April 1991.
PB92-963701/REB 92-01 PC **A11**/MF **A03**

Superfund Record of Decision (EPA Region 2): Applied Environmental Services Site, Glenwood Landing, Nassau County, NY. (First Remedial Action), June 1991.
PB92-963823/REB 92-04 PC **A05**/MF **A01**

Superfund Record of Decision (EPA Region 2): Asbestos Dump, New Vernon Road and White Bridge Road Sites, Passaic Township, Meyersville, NJ. (Second Remedial Action), September 1991.
PB92-963809/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 2): C and J Disposal Site, Town of Eaton, Madison County, NY. (First Remedial Action), March 1991.
PB92-963801/REB 92-01 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 2): Chemsol, Inc., Piscataway, Middlesex County, NJ. (First Remedial Action), September 1991.
PB92-963811/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 2): Circuitron Corporation, East Farmingdale, Suffolk County, NY. (First Remedial Action), March 1991.
PB92-963830/REB 92-04 PC **A05**/MF **A01**

Superfund Record of Decision (EPA Region 2): Colesville Municipal Landfill Site, Town of Colesville, Broome County, NY. (First Remedial Action), March 1991.
PB92-963822/REB 92-04 PC **A12**/MF **A03**

Superfund Record of Decision (EPA Region 2): Conklin Dumps, Broome County, Conklin, NY. (First Remedial Action), March 1991.
PB92-963824/REB 92-04 PC **A07**/MF **A02**

Superfund Record of Decision (EPA Region 2): Curcio Scrap Metal, Bergen County, Saddle Brook, NJ. (First Remedial Action), June 1991.
PB92-963825/REB 92-04 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 2): Endicott Village Wellfield, Broome County, Endicott, NY. (Second Remedial Action), March 1991.
PB92-963802/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 2): Fibers Public Supply Wells, Guayama, PR. (First Remedial Action), September 1991.
PB92-963828/REB 92-04 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 2): Fort Dix Landfill, Fort Dix Military Reservation, Pemberton Township, Burlington County, NJ. (First Remedial Action), September 1991.
PB92-963820/REB 92-04 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 2): Frontera Creek Site, Humacao, Puerto Rico (First Remedial Action), September 1991.
PB92-963819/REB 92-04 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 2): Garden State Cleaners, Buena Borough, Atlantic County, NJ. (First Remedial Action), September 1991.
PB92-963834/REB 92-04 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 2): General Motors/Central Foundry Division Site, St. Lawrence County, Massena, NY. (First Remedial Action), December 1990.
PB92-963818/REB 92-04 PC **A10**/MF **A03**

Superfund Record of Decision (EPA Region 2): Genzale Plating Company, Franklin Square, Nassau County, NY. (First Remedial Action), March 1991.
PB92-963803/REB 92-01 PC **A05**/MF **A01**

Superfund Record of Decision (EPA Region 2): Global Landfill, Middlesex County, NJ. (First Remedial Action), October 1991.
PB92-963804/REB 92-01 PC **A08**/MF **A02**

Superfund Record of Decision (EPA Region 2): Hertel Landfill, Town of Plattekill, Ulster County, NY. (First Remedial Action), September 1991.
PB92-963821/REB 92-04 PC **A05**/MF **A01**

Superfund Record of Decision (EPA Region 2): Hooker Chemical S-Area, Niagara Falls, NY. (First Remedial Action), September 1990.
PB92-963812/REB 92-04 PC **A15**/MF **A03**

Superfund Record of Decision (EPA Region 2): Juncos Landfill, Juncos, PR. (First Remedial Action), September 1991.
PB92-963831/REB 92-04 PC **A05**/MF **A02**

Superfund Record of Decision (EPA Region 2): Love Canal (93rd Street School), Niagara County, City of Niagara Falls, NY. (Third Remedial Action), (Amendment), May 1991.
PB92-963805/REB 92-01 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 2): Mattiace Petrochemicals Co., Inc., Nassau County, Glen Cove, NY. (Second Remedial Action), June 1991.
PB92-963807/REB 92-04 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 2): Nascolite Corporation, Doris Avenue, Cities of Millville and Vineland, Cumberland County, NJ. (Second Remedial Action), June 1991.
PB92-963817/REB 92-04 PC **A07**/MF **A02**

Superfund Record of Decision (EPA Region 2): Naval Air Engineering Center (Operable Unit 1), Lakehurst, NJ. (First Remedial Action), February 1991.
PB92-963808/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 2): Naval Air Engineering Center, (Operable Unit 2), Lakehurst, NJ. (Second Remedial Action), February 1991.
PB92-963810/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 2): Naval Air Engineering Center (Operable Unit 3), Lakehurst, NJ. (Fourth Remedial Action), September 1991.
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PB92-963832/REB 92-04 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 2): NL Industries, Salem County, Pedricktown, NJ. (First Remedial Action), September 1991.
PB92-963813/REB 92-04 PC **A07**/MF **A02**

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PB92-963827/REB 92-04 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 2): Swope Oil and Chemical Company, Pennsauken Township, Camden County, NJ. (Second Remedial Action), September 1991.
PB92-963833/REB 92-04 PC **A07**/MF **A02**

Superfund Record of Decision (EPA Region 2): Upper Deerfield Township Sanitary Landfill, Upper Deerfield Township, Cumberland County, NJ. (First Remedial Action), September 1991.
PB92-963816/REB 92-04 PC **A03**/MF **A01**

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PB92-963815/REB 92-04 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 2): Warwick Landfill, Town of Warwick, Orange County, NY. (First Remedial Action), June 1991.
PB92-963826/REB 92-04 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 2): White Chemical Corporation, Essex County, Newark, NJ. (First Remedial Action), September 1991.
PB92-963829/REB 92-04 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 3): Arrowhead Associates/Scovill, Montross, VA. (First Remedial Action), September 1991.
PB92-963925/REB 92-04 PC **A05**/MF **A01**

Superfund Record of Decision (EPA Region 3): AVCO Lycoming-Williamsport Division, Lycoming County, Williamsport, PA. (First Remedial Action), June 1991.
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Superfund Record of Decision (EPA Region 3): Brodhead Creek, Stroudsburg, PA. (First Remedial Action), March 1991.
PB92-963915/REB 92-01 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 3): Cryo-Chem Site, Earl Township, Berks County, PA. (Third Remedial Action), September 1991.
PB92-963908/REB 92-01 PC **A05**/MF **A01**

Superfund Record of Decision (EPA Region 3): Dixie Caverns County Landfill, Roanoke County, VA. (First Remedial Action), September 1991.
PB92-963929/REB 92-04 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 3): Dorney Road Landfill Site, Upper Macungie Township, Lehigh County, PA. (Second Remedial Action), September 1991.
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Superfund Record of Decision (EPA Region 3): Havertown PCP (Pentachlorophenol), Haverford Township, Delaware County, PA. (Second Remedial Action), September 1991.
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PB92-963918/REB 92-01 PC **A05**/MF **A01**

Superfund Record of Decision (EPA Region 3): McAdoo Associates, (Operable Unit 2), Schuylkill County, PA. (Third Remedial Action), September 1991.
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Superfund Record of Decision (EPA Region 3): Mid-Atlantic Wood Preservers, Harmans, Anne Arundel County, MD. (First Remedial Action), December 1990.
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PB92-963928/REB 92-04 PC **A05**/MF **A01**

Superfund Record of Decision (EPA Region 3): Publicker/Cuyahoga Wrecking Plant, PA. (Second Remedial Action), June 1991.
PB92-963902/REB 92-01 PC **A03**/MF **A01**

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PB92-963903/REB 92-01 PC **A04**/MF **A01**

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PB92-963909/REB 92-01 PC **A03**/MF **A01**

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PB92-963916/REB 92-01 PC **A05**/MF **A01**

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PB92-963910/REB 92-01 PC **A03**/MF **A01**

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PB92-963911/REB 92-01 PC **A04**/MF **A01**

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PB92-963921/REB 92-04 PC **A07**/MF **A02**

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PB92-964005/REB 92-01 PC **A07**/MF **A02**

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PB92-964014/REB 92-04 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 4): Carolina Transformer Site, Cumberland County, Fayetteville, NC. (First Remedial Action), August 1991.
PB92-964017/REB 92-04 PC **A06**/MF **A02**

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PB92-964021/REB 92-04 PC **A04**/MF **A01**

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PB92-964018/REB 92-04 PC **A14**/MF **A03**

Superfund Record of Decision (EPA Region 4): Hercules 009 Landfill Site, Brunswick, Glynn County, GA. (First Remedial Action), June 1991.
PB92-964001/REB 92-01 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 4): Interstate Lead (ILCO), Jefferson County, Leeds, AL. (First Remedial Action), September 1991.
PB92-964016/REB 92-04 PC **A06**/MF **A02**

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PB92-964009/REB 92-01 PC **A09**/MF **A02**

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PB92-964003/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 4): Oak Ridge Reservation (USDOE), (Operable Unit 2), Oak Ridge, TN. (First Remedial Action), June 1991.
PB92-964013/REB 92-01 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 4): Oak Ridge Reservation (USDOE), (Operable Unit 3), Anderson County, Oak Ridge, TN. (Second Remedial Action), September 1991.
PB92-964022/REB 92-04 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 4): Oak Ridge Reservation (USDOE), (Operable Unit 4), Roane County, Oak Ridge, TN. (Third Remedial Action), September 1991.
PB92-964012/REB 92-01 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 4): Petroleum Products Corporation Site, Operable Unit 1, Pembroke Park, Broward County, FL. (First Remedial Action), October 1990.
PB92-964007/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 4): Sangamo/Twelve-Mile Creek, Lake Hartwell PCB Contamination Site, Pickens, SC. (First Remedial Action), December 1990.
PB92-964008/REB 92-01 PC **A11**/MF **A03**

Superfund Record of Decision (EPA Region 4): Sherwood Medical Industries, Volusia County, Deland, FL. (First Remedial Action), March 1991.
PB92-964019/REB 92-04 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 4): Smith's Farm Site (First Operable Unit), Bullitt County, Brooks, KY. (First Remedial Action), (Amendment), September 1991.
PB92-964006/REB 92-01 PC **A10**/MF **A03**

Superfund Record of Decision (EPA Region 4): Tri-City Industrial Disposal Site, Bullitt County, Brooks, KY. (First Remedial Action), August 1991.
PB92-964004/REB 92-01 PC **A14**/MF **A03**

Superfund Record of Decision (EPA Region 4): USA Anniston Army Depot, (Groundwater Operable Unit), Calhoun County, Anniston, AL. (First Remedial Action), September 1991.
PB92-964010/REB 92-01 PC **A03**/MF **A01**

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PB92-964011/REB 92-01 PC **A08**/MF **A02**

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PB92-964101/REB 92-01 PC **A05**/MF **A02**

Superfund Record of Decision (EPA Region 5): Allied Chemical and Ironton Coke, Ironton, OH. (Second Remedial Action), December 1990.
PB92-964115/REB 92-01 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 5): Anderson Development Company Site, Lenawee County, Adrian, MI. (First Remedial Action), (Amendment), September 1991.
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Superfund Record of Decision (EPA Region 5): Buckeye Reclamation Landfill Site, Belmont County, OH. (First Remedial Action), August 1991.
PB92-964123/REB 92-04 PC **A06**/MF **A02**

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PB92-964126/REB 92-04 PC **A08**/MF **A02**

Superfund Record of Decision (EPA Region 5): Chem-Central Site, Wyoming, MI. (First Remedial Action), September 1991.
PB92-964138/REB 92-04 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 5): Conrail Railyard, Elkhart County, IN. (First Remedial Action), June 1991.
PB92-964109/REB 92-01 PC **A04**/MF **A01**

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Superfund Record of Decision (EPA Region 5): Enviro-Chem (Northside Sanitary Landfill), Zionsville, IN. (First Remedial Action), (Amendment), June 1991.
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PB92-964107/REB 92-01 PC **A05**/MF **A01**

Superfund Record of Decision (EPA Region 5): Michigan Disposal Service (Cork Street) Landfill, Kalamazoo, MI. (First Remedial Action), September 1991.
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PB92-964136/REB 92-04 PC **A08**/MF **A02**

Superfund Record of Decision (EPA Region 5): Summit National Liquid Disposal Service, Deerfield, OH. (First Remedial Action), (Amendment), November 1990.
PB92-964118/REB 92-01 PC **A03**/MF **A01**

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Superfund Record of Decision (EPA Region 5): U.S. DOI Sangamo/Crab Orchard National Wildlife Refuge, Carterville, IL. (First Remedial Action), March 1990.
PB92-964125/REB 92-04 PC **A05**/MF **A02**

Superfund Record of Decision (EPA Region 5): Verona Well Field Site, Battle Creek, MI. (Second Remedial Action), June 1991.
PB92-964110/REB 92-01 PC **A08**/MF **A02**

Superfund Record of Decision (EPA Region 5): Washington County Landfill, Lake Elmo, MN. (Second Remedial Action), November 1990.
PB92-964113/REB 92-01 PC **A05**/MF **A01**

Superfund Record of Decision (EPA Region 5): Zanesville Well Field Site, Zanesville, OH. (First Remedial Action), September 1991.
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Superfund Record of Decision (EPA Region 6): Cimarron Mining Site, Operable Unit 2, Carrizozo, NM. (Second Remedial Action), September 1991.
PB92-964201/REB 92-01 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 6): Petro-Chemical (Turtle Bayou), Liberty County, TX. (Second Remedial Action), September 1991.
PB92-964202/REB 92-01 PC **A07**/MF **A02**

Superfund Record of Decision (EPA Region 7): E.I. Dupont De Nemours (County Road X23), Lee County, West Point, IA. (First Remedial Action), May 1991.
PB92-964306/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 7): Ellisville Area Site, St. Louis County, Ellisville, MO. (First Remedial Action), (Amendment), September 1991.
PB92-964302/REB 92-01 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 7): Ellisville Area Site, St. Louis County, Ellisville, MO. (Second Remedial Action), September 1991.
PB92-964312/REB 92-04 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 7): Hastings Ground Water Contamination (Operable Unit 1), Hastings, NE. (Second Remedial Action), September 1991.
PB92-964304/REB 92-04 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 7): Hastings Groundwater Contamination (Operable Unit 10), Hastings, NE. (Seventh Remedial Action), September 1991.
PB92-964303/REB 92-01 PC **A03**/MF **A01**

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PB92-964308/REB 92-04 PC **A05**/MF **A01**

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PB92-964307/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 7): Lehigh Portland Cement Company, Mason City, IA. (First Remedial Action), June 1991.
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PB92-964310/REB 92-04 PC **A07**/MF **A02**

Superfund Record of Decision (EPA Region 7): People's Natural Gas Coal Gasification Site, Dubuque, IA. (First Remedial Action), September 1991.
PB92-964301/REB 92-01 PC **A05**/MF **A01**

Superfund Record of Decision (EPA Region 7): Shaw Avenue Dump Site, Charles City, Floyd County, IA. (First Remedial Action), September 1991.
PB92-964309/REB 92-04 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 8): Anaconda Smelter Site, (Operable Unit 11 - Flue Dust), Deer Lodge County, Anaconda, MT. (Second Remedial Action), September 1991.
PB92-964404/REB 92-04 PC **A10**/MF **A03**

Superfund Record of Decision (EPA Region 8): Broderick Wood Products, Adams County, CO. (First Remedial Action), (Amendment), September 1991.
PB92-964402/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 8): Central City-Clear Creek Site, (Operable Unit 3), Clear Creek and Gilpin Counties, CO. (Third Remedial Action), September 1991.
PB92-964406/REB 92-04 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 8): Chemical Sales (New Location) (Operable Unit 1), Denver, CO. (First Remedial Action), June 1991.
PB92-964409/REB 92-04 PC **A09**/MF **A02**

Superfund Record of Decision (EPA Region 8): Chemical Sales, (New Location), (Operable Unit 3), Adams County, CO. (Third Remedial Action), June 1991.
PB92-964410/REB 92-04 PC **A09**/MF **A02**

Superfund Record of Decision (EPA Region 8): Chemical Sales Site, (New Location), (Operable Unit 2), Adams County, CO. (Second Remedial Action), June 1991.
PB92-964408/REB 92-04 PC **A09**/MF **A03**

Superfund Record of Decision (EPA Region 8): Hill Air Force Base, Operable Unit 2, Chemical Disposal Pit 3, Site WP07, Davis and Weber Counties, UT. (First Remedial Action), September 1991.
PB92-964401/REB 92-01 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 8): Rocky Mountain Arsenal (Operable Unit 21), CO. (Ninth Remedial Action), June 1991.
PB92-964405/REB 92-04 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 8): Rocky Mountain Arsenal (Operable Unit 26), CO. (Tenth Remedial Action), September 1991.
PB92-964403/REB 92-04 PC **A09**/MF **A02**

Superfund Record of Decision (EPA Region 8): Wasatch Chemical Site (Lot 6), Salt Lake City, UT. (First Remedial Action), March 1991.
PB92-964407/REB 92-04 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 9): Advanced Micro Devices 901, (Signetics), (TRW Microwave), Sunnyvale, CA. (First Remedial Action), September 1991.
PB92-964504/REB 92-04 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 9): Advanced Micro Devices 915, Sunnyvale, CA. (First Remedial Action), August 1991.
PB92-964520/REB 92-04 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 9): Atlas Asbestos Mine, Fresno County, CA. (Second Remedial Action), February 1991.
PB92-964510/REB 92-01 PC **A07**/MF **A02**

Superfund Record of Decision (EPA Region 9): Castle Air Force Base, Merced County, CA. (First Remedial Action), August 1991.
PB92-964508/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 9): CTS Printex Corporation, Mountain View, CA. (First Remedial Action), June 1991.
PB92-964516/REB 92-04 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 9): FMC (Fresno Plant), Fresno, CA. (First Remedial Action), June 1991.
PB92-964512/REB 92-04 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 9): Indian Bend Wash Area (Operable Units 1, 4, 5, 6), AZ. (Second Remedial Action), September 1991.
PB92-964509/REB 92-01 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 9): Mesa Area Ground Water Contamination, Mesa, AZ. (First Remedial Action), September 1991.
PB92-964514/REB 92-04 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 9): Micro Storage/Intel Magnetics, Santa Clara, CA. (First Remedial Action), August 1991.
PB92-964511/REB 92-04 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 9): Monolithic Memories (Advanced Micro Devices - Arques) (National Semiconductor), CA. (First Remedial Action), September 1991.
PB92-964503/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 9): National Semiconductor (Monolithic Memories), CA. (First Remedial Action), September 1991.
PB92-964502/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 9): Signetics (Advanced Micro Devices 901) (TRW Microwave), Sunnyvale, CA. (First Remedial Action), September 1991.
PB92-964507/REB 92-01 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 9): Sola Optical USA, Inc., Petaluma, CA. (First Remedial Action), September 1991.
PB92-964515/REB 92-04 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 9): South Bay Asbestos Area, San Jose, CA. (First Remedial Action), (Amendment), June 1991.
PB92-964501/REB 92-01 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 9): Spectra-Physics, (Teledyne Semiconductor), Mountain View, CA. (First Remedial Action), March 1991.
PB92-964519/REB 92-04 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 9): Synertek (Building No. 1), Santa Clara, CA. (First Remedial Action), June 1991.
PB92-964513/REB 92-04 PC **A07**/MF **A02**

Superfund Record of Decision (EPA Region 9): Teledyne Semiconductor (Spectra Physics), Mountain View, CA. (First Remedial Action), March 1991.
PB92-964505/REB 92-01 PC **A05**/MF **A01**

Superfund Record of Decision (EPA Region 9): TRW Microwave, (Advanced Micro Devices 901), (Signetics), Sunnyvale, CA. (First Remedial Action), September 1991.
PB92-964518/REB 92-04 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 9): Valley Wood Preserving Site, Turlock, CA. (First Remedial Action), September 1991.
PB92-964517/REB 92-04 PC **A07**/MF **A02**

Superfund Record of Decision (EPA Region 9): Van Waters and Rogers, San Jose, CA. (First Remedial Action), September 1991.
PB92-964506/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 10): American Lake Gardens (McChord AFB - Area D), Pierce County, WA. (First Remedial Action), September 1991.
PB92-964605/REB 92-04 PC **A05**/MF **A02**

Superfund Record of Decision (EPA Region 10): Bangor Naval Submarine Base, Site F (Operable Unit 2), Bangor, WA. (First Remedial Action), September 1991.
PB92-964603/REB 92-01 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 10): Bunker Hill Mining and Metallurgical Complex, Shoshone County, ID. (First Remedial Action), August 1991.
PB92-964601/REB 92-01 PC **A07**/MF **A02**

Superfund Record of Decision (EPA Region 10): Commencement Bay-Nearshore/Tideflats (Operable Unit 7), Tacoma, WA. (Third Remedial Action), December 1990.
PB92-964604/REB 92-01 PC **A17**/MF **A04**

Superfund Record of Decision (EPA Region 10): Northwest Transformer-Mission Pole, Whatcom County, WA. (First Remedial Action), (Amendment), September 1991.
PB92-964602/REB 92-01 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 10): Union Pacific Railroad Yard, Bannock County, Pocatello, ID. (First Remedial Action), September 1991.
PB92-964606/REB 92-04 PC **A08**/MF **A02**

Superfund Record of Decision (EPA Region 10): Yakima Plating Facility, Yakima, WA. (First Remedial Action), September 1991.
PB92-964607/REB 92-04 PC **A05**/MF **A01**

Superfund Record of Decision: Roebling Steel Company, Florence Township, Burlington County, NJ. (Second Remedial Action), September 1991.
PB92-963814/REB 92-04 PC **A04**/MF **A01**

Superfund Removal Procedures: Guidance on the Consideration of ARARS during Removal Actions.
PB92-963401/REB 92-01 PC **A03**/MF **A01**

Superfund Removal Procedures: Public Participation Guidance for On-Scene Coordinators: Community Relations and the Administrative Record.
PB92-963416/REB 92-04 PC **A03**/MF **A01**

Superfund Removal Procedures: Removal Enforcement Guidance for On-Scene Coordinators.
PB92-963409/REB 92-04 PC **A03**/MF **A01**

Superfund: Removals and Emergency Response.
PB92-963400/REB 92-01 Standing Order

Superfund: Reporting on Cleanup Activities through Environmental Indicators. FY 1991 Update.
PB92-963255/REB 92-01 PC **A03**/MF **A01**

Superfund: Site Assessment and Remediation.
PB92-963300/REB 92-01 Standing Order

Superfund Soils Data Management System.
PB92-139476/REB 92-01 PC **A02**/MF **A01**

Superfund: Technology and Analytical Services.
PB92-963500/REB 92-01 Standing Order

Supplement of Development Document Effluent Limitations, Guidelines New Source Performance Standards Reprint for the Renderer Segment of the Meat Products and Rendering. Point Source Category.
PB92-232008/REB 92-04 PC **A04**/MF **A01**

Supplemental Guidance to RAGS: Calculating the Concentration Term. Volume 1, Number 1, May 1992.
PB92-963373/REB 92-04 PC **A02**/MF **A01**

Surface-Charge Repulsive Effects on the Mobility of Inorganic Colloids in Surface Systems. Annual Colloid and Surface Science Symposium (65th). Held in Norman, Oklahoma on June 17-19, 1991.
PB92-191139/REB 92-01 PC **A03**/MF **A01**

Surface-Coating-Free Materials and Reduction of VOC Emissions from Coating Operations.
PB92-206614/REB 92-04 PC **A03**/MF **A01**

Surfactant-Enhanced Solubilization of Tetrachloroethylene and Degradation Products in Pump and Treat Remediation.
PB92-191121/REB 92-01 PC **A03**/MF **A01**

Suspended, Cancelled, and Restricted (SCR) Pesticides.
PB92-231240/REB 92-04 PC **A06**/MF **A02**

Synthesis of a Novel Fluorinated Benzo(a)pyrene: 4,5-Difluorobenzo(a)pyrene.
PB92-110493/REB 92-01 PC **A02**/MF **A01**

Synthetic Substrata for Propagation and Testing of Soil and Sediment Organisms.
PB92-195676/REB 92-01 PC **A03**/MF **A01**

System for Control of River Water Quality for the Community of Madrid Using QUAL2E.
PB92-206218/REB 92-04 PC **A02**/MF **A01**

TCE Removal from Contaminated Soil and Ground Water. Ground Water Issue.
PB92-224104/REB 92-04 PC **A03**/MF **A01**

Tech Trends (Number 8).
PB92-221985/REB 92-04 PC **A01**/MF **A01**

Technical Aspects of Underground Storage Tank Closure.
PB92-161199/REB 92-01 PC **A04**/MF **A01**

Technical Assistance Document for Sampling and Analysis of Ozone Precursors.
PB92-122795/REB 92-01 PC **A09**/MF **A02**

Technical Assistance Document: Performance Audit Procedures for Opacity Monitors.
PB92-192889/REB 92-01 PC **A12**/MF **A03**

Technical Assistance Team (TAT) Contracts Users' Manual.
PB92-963407/REB 92-01 PC **A09**/MF **A02**

Technical Basis for Establishing Sediment Quality Criteria for Nonionic Organic Chemicals Using Equilibrium Partitioning. Annual Review.
PB92-129642/REB 92-01 PC **A03**/MF **A01**

Technical Guidance Document: Inspection Techniques for the Fabrication of Geomembrane Field Seams.
PB92-109057/REB 92-01 PC **A08**/MF **A02**

Technical Guidance Manual for Performing Waste Load Allocations. Book 3: Estuaries. Part 1: Estuaries and Waste Load Allocation Models.
PB92-231729/REB 92-04 PC **A05**/MF **A01**

Technical Guidance Manual for Performing Waste Load Allocations. Book 3: Estuaries. Part 2: Application of Estuarine Waste Load Allocation Models.
PB92-231737/REB 92-04 PC **A06**/MF **A02**

Technical Guidance Manual for Performing Waste Load Allocations. Book 3: Estuaries. Part 3: Use of Mixing Zone Models in Estuarine Waste Load Allocations.
PB92-231745/REB 92-04 PC **A03**/MF **A01**

Technical Guidance Manual for Performing Waste Load Allocations. Book 3: Estuaries. Part 4: Critical Review of Estuarine WLA Modeling.
PB92-231752/REB 92-04 PC **A04**/MF **A01**

Technical Guidance Manual for Performing Waste Load Allocations. Book 4. Lakes, Reservoirs and Impoundments. Chapter 3: Toxic Substances Impact.
PB92-231760/REB 92-04 PC **A14**/MF **A03**

Technical Guidance Manual for Performing Waste Load Allocations: Simplified Analytical Method for Determining NPDES Effluent Limitations for POTWs Discharging into Low-Flow Streams.
PB92-231786/REB 92-04 PC **A04**/MF **A01**

Technical Guidance Manual for Performing Wasteload Allocation. Book 6. Design Conditions. Chapter 1: Stream Design Flow for Steady-State Modeling.
PB92-231778/REB 92-04 PC **A04**/MF **A01**

Technical Guidance on Supplementary Stream Design Conditions for Steady State Modeling.
PB92-231844/REB 92-04 PC **A05**/MF **A01**

Technical Guidance: Stage II Vapor Recovery Systems for Control of Vehicle Refueling Emissions at Gasoline Dispensing Facilities. Volume 2. Appendices.
PB92-132851/REB 92-01 PC **A20**/MF **A04**

Technical Guidance: State II Vapor Recovery Systems for Control of Vehicle Refueling Emissions at Gasoline Dispensing Facilities. Volume 1. Chapters.
PB92-132844/REB 92-01 PC **A10**/MF **A03**

Technical Implementation Document for EPA's Boiler and Industrial Furnace Regulations.
PB92-154947/REB 92-01 PC **A11**/MF **A03**

Technical Resource Document: Batch-Type Procedures for Estimating Soil Adsorption of Chemicals.
PB92-188515/REB 92-01 PC **A06**/MF **A02**

Technical Support Document for the 1992 Citizen's Guide to Radon.
PB92-218395/REB 92-04 PC **A08**/MF **A02**

Technical Support Document to Aid States with the Development of Carbon Monoxide State Implementation Plans.
PB92-233055/REB 92-04 PC **A04**/MF **A01**

Technical Support Manual: Waterbody Surveys and Assessments for Conducting Use Attainability Analyses.
PB92-231794/REB 92-04 PC **A10**/MF **A03**

Technical Support Manual: Waterbody Surveys and Assessments for Conducting Use Attainability Analyses. Volume 2: Estuarine Systems.
PB92-231877/REB 92-04 PC **A09**/MF **A02**

Technical Support Manual: Waterbody Surveys and Assessments for Conducting Use Attainability Analyses. Volume 3: Lake Systems.
PB92-231802/REB 92-04 PC **A10**/MF **A03**

Technical Support Services for Superfund Site Remediation and RCRA Corrective Action. Third Edition.
PB92-205657/REB 92-04 PC **A04**/MF **A01**

Technique for Screening and Maintaining Smaller Genomic Libraries.
PB92-195726/REB 92-04 PC **A02**/MF **A01**

Techniques to Determine Spatial Variations in Hydraulic Conductivity of Sand and Gravel.
PB92-109123/REB 92-01 PC **A03**/MF **A01**

Technology Demonstration Summary: Bio Trol Soil Washing System for Treatment of a Wood Preserving Site.
PB92-224393/REB 92-04 PC **A02**/MF **A01**

Technology Demonstration Summary, DuPont/Oberlin Microfiltration System, Palmerton, Pennsylvania. April-May 1992.
PB92-224351/REB 92-04 PC **A02**/MF **A01**

Technology Evaluation Report: Babcock and Wilcox Cyclone Furnace Vitrification Technology. Volume 1.
PB92-222215/REB 92-04 PC **A06**/MF **A02**

Technology Evaluation Report: Babcock and Wilcox Cyclone Furnace Vitrification Technology. Volume 2.
PB92-222223/REB 92-04 PC **A15**/MF **A03**

Technology Evaluation Report: Biological Treatment of Wood Preserving Site Groundwater by Biotrol, Inc.
PB92-110048/REB 92-01 PC **A06**/MF **A02**

Technology Evaluation Report: Biotrol Soil Washing System for Treatment of a Wood Preserving Site.
PB92-115302/REB 92-01 PC **E99**/MF **E99**

Technology Evaluation Report: Biotrol Soil Washing System for Treatment of a Wood Preserving Site. Volume 1.
PB92-115310/REB 92-01 PC **A13**/MF **A03**

Technology Evaluation Report: Biotrol Soil Washing System for Treatment of a Wood Preserving Site. Volume 2, Part A.
PB92-115328/REB 92-01 PC **A17**/MF **A04**

Technology Evaluation Report: Biotrol Soil Washing System for Treatment of a Wood Preserving Site. Volume 2, Part B.
PB92-115336/REB 92-01 PC **A15**/MF **A03**

Technology Evaluation Report of Retech, Inc., Plasma Centrifugal Furnace. Volume 1.
PB92-216035/REB 92-04 PC **A09**/MF **A02**

Technology Evaluation Report of Retech, Inc., Plasma Centrifugal Furnace. Volume 2.
PB92-216043/REB 92-04 PC **A15**/MF **A03**

Technology Evaluation Report: Ogden Circulating Bed Combustor at the McColl Superfund Site.
PB92-227289/REB 92-04 PC **A04**/MF **A01**

Technology Evaluation Report: Site Program Demonstration of a Trial Excavation at the McColl Superfund Site.
PB92-226448/REB 92-04 PC **A10**/MF **A03**

Technology Evaluation Report: SITE Program Demonstration of the DuPont/Oberlin Microfiltration Technology.
PB92-153410/REB 92-01 PC **A06**/MF **A02**

Technology Evaluation Report: SITE Program Demonstration Test Horsehead Resource Development Company, Inc., Flame Reactor Technology, Monaca, Pennsylvania.
PB92-205855/REB 92-04 PC **A07**/MF **A02**

Technology Evaluation Report: The Carver-Greenfield Process, Dehydro-Tech Corporation.
PB92-217462/REB 92-04 PC **A11**/MF **A03**

Technology for Reduction of CO2 Emissions from the Transportation Sector.
PB92-153733/REB 92-01 PC **A03**/MF **A01**

Tedlar Bag Sampling System for Toxic Organic Compounds in Source Emission Sampling and Analysis.
PB92-166719/REB 92-01 PC **A01**/MF **A01**

Temperature and Conductivity Modeling for the Buffalo River.
PB92-206226/REB 92-04 PC **A03**/MF **A01**

Ten Year Review of Plastics Recycling.
PB92-153402/REB 92-01 PC **A03**/MF **A01**

Teratogenesis, Toxicity, and Bioconcentration in Frogs Exposed to Dieldrin.
PB92-180363/REB 92-01 PC **A03**/MF **A01**

Test of Criteria for Introduced Species: The Global Invasion by the Isopod 'Synidotea laevidorsalis' (Miers, 1881).
PB92-108018/REB 92-01 PC **A03**/MF **A01**

Tests of Indoor Air Quality Sinks.
PB92-218346/REB 92-04 PC **A15**/MF **A03**

Theoretical Evaluation of Stability of Volatile Organic Chemicals and Polar Volatile Organic Chemicals in Canisters.
PB92-166941/REB 92-01 PC **A03**/MF **A01**

Thermodynamic Evaluation of Predicted Fluorinated Ether, Ethane, and Propane Azeotropes.
PB92-198241/REB 92-04 PC **A03**/MF **A01**

Thermophysical Properties of Gaseous Refrigerants from Speed-of-Sound Measurements. 2. Results for 1,1-dichloro-1-fluoroethane (CCl2FCH3).
PB92-154277 92-01 Not available NTIS

Three Case Studies of Lake Temperature and Stratification Response to Warmer Climate.
PB92-121391/REB 92-01 PC **A03**/MF **A01**

Tiered Modeling Approach for Assessing the Risks Due to Sources of Hazardous Air Pollutants.
PB92-164748/REB 92-01 PC **A03**/MF **A01**

Time Spent in Activities, Locations, and Microenvironments: A California-National Comparison.
PB92-140789/REB 92-01 PC **A05**/MF **A01**

Title 3 on Indian Lands: A Guide to the Emergency Planning and Community Right-to-Know Act. (Technical Assistance Bulletin). Volume 10, Number 2.
PB92-224740/REB 92-04 PC **A03**/MF **A01**

Total Hydrocarbon Emission Testing of Wastewater Sludge Incinerators. Volume 1.
PB92-197086/REB 92-04 PC **A05**/MF **A01**

Total Hydrocarbon Emission Testing of Wastewater Sludge Incinerators. Volume 2. Appendices.
PB92-197094/REB 92-04 PC **A16**/MF **A03**

Toward a Rule-Based Biome Model (Journal Article).
PB92-232909/REB 92-04 PC **A03**/MF **A01**

Toxic Release Inventory (TRI). Documentation for the 1990 Magnetic Tape.
PB92-155381/REB 92-01 PC **A06**/MF **A02**

Toxic Release Inventory (TRI) United States and Territories, 1987.
PB92-100114/REB 92-01 MF**$600.00**

Toxic Release Inventory (TRI) United States and Territories, 1988.
PB92-100122/REB 92-01 MF**$600.00**

Toxic Release Inventory (TRI) 1987-1989, (on CD-ROM).
PB92-500024/REB 92-01 CD-ROM$45.00

Toxic Release Inventory (TRI), 1990.
PB92-501816/REB 92-01 CP **T14**

Toxic Substances Control Act (TSCA) Chemical Substances Inventory: Revised Inventory Synonym and Preferred Name File, January 1992.
PB92-501386/REB 92-01 CP **T05**

Toxic Substances Control Act (TSCA) Chemical Substances Inventory: Revised Inventory Synonym and Preferred Name File. January 1992 Magnetic Tape Documentation.
PB92-140755/REB 92-01 PC **A03**/MF **A01**

Toxicity Equivalency Factors for PCBs.
PB92-113349/REB 92-01 PC **A03**/MF **A01**

Toxicity of Ammonia, Nitrite, and Nitrate to Fishes.
PB92-179142/REB 92-01 PC **A03**/MF **A01**

Toxicity of Chlorine and Ammonia to Aquatic Life: Chemistry, Water Quality Criteria, Recent Research, and Recommended Future Research.
PB92-108091/REB 92-01 PC **A03**/MF **A01**

Toxicity Reduction Evaluation at a Municipal Wastewater Treatment Plant Using Mutagenicity as an Endpoint.
PB92-232834/REB 92-04 PC **A02**/MF **A01**

Toxicity Reduction Evaluation: Case Histories at High Point and Fayetteville, North Carolina.
PB92-222231/REB 92-04 PC **A08**/MF **A02**

Toxicity, Selectivity and Sublethal Effects of Pesticides on Arthropod Natural Enemies: A Data-Base Summary.
PB92-124189/REB 92-01 PC **A03**/MF **A01**

Toxicological Assessment of Hazardous Wastes.
AD-P006 468/3/REB 92-01 PC **A03**/MF **A01**

Toxicological Implementations of Remediating Hazardous Wastes.
PB92-124171/REB 92-01 PC **A03**/MF **A01**

Toxics in the Community: National and Local Perspectives. The 1989 Toxics Release Inventory National Report.
PB92-224278/REB 92-04 PC **A24**/MF **A04**

Trace Elements, Leaching and Health Risks from Municipal Waste Combustion Ash.
PB92-153311/REB 92-01 PC **A03**/MF **A01**

Trace Metal Fate in a Rotary Kiln Incinerator with an Ionizing Wet Scrubber (Journal Article).
PB92-110568/REB 92-01 PC **A02**/MF **A01**

Tracking Toxic Substances at Industrial Facilities: Engineering Mass Balance versus Materials Accounting.
PB92-223213/REB 92-04 PC **A09**/MF **A02**

Trajectory and Incineration of Rogue Droplets in a Turbulent Diffusion Flame.
PB92-120450/REB 92-01 PC **A03**/MF **A01**

Transactions: Tropospheric Ozone and the Environment. Papers from an International Conference.
PB92-217017/REB 92-04 PC **A03**/MF **A01**

Transport of Inorganic Colloids through Natural Aquifer Material: Implications for Contaminant Transport.
PB92-158690/REB 92-01 PC **A02**/MF **A01**

Transportation and Air Quality Planning Guidelines, 1992.
PB92-201458/REB 92-04 PC **A10**/MF **A03**

Transportation Control Measure Information Documents.
PB92-173566/REB 92-01 PC **A19**/MF **A04**

Treating Soil Solution Samplers to Prevent Microbial Removal of Analytes.
PB92-166610/REB 92-01 PC **A02**/MF **A01**

Trends and Patterns in Section 404 Permitting Requiring Compensatory Mitigation in Oregon and Washington, USA.
PB92-153907/REB 92-01 PC **A03**/MF **A01**

Trends in Catskill Stream Water Quality: Evidence from Historical Data.
PB92-153832/REB 92-01 PC **A03**/MF **A01**

Triphenyl Phosphite-Induced Ultrastructural Changes in Bovine Adrenomedullary Chromaffin Cells.
PB92-209337/REB 92-04 PC **A03**/MF **A01**

Tropospheric Nitrogen: The Influence of Anthropogenic Sources on Distribution and Deposition.
PB92-126937/REB 92-01 PC **A06**/MF **A02**

Two Different Approaches for Control and Measurement of Plant Functions in Closed Environmental Chambers.
PB92-108067/REB 92-01 PC **A03**/MF **A01**

U.S. Environmental Protection Agency Health Effects Research on Drinking Water Contaminants.
PB92-206531/REB 92-04 PC **A02**/MF **A01**

U.S. Environmental Protection Agency Research Program on the Environmental Impacts and Control of Highway Deicing Salt Pollution.
PB92-179688/REB 92-01 PC **A03**/MF **A01**

U.S. Environmental Protection Agency's Environmental Monitoring and Assessment Program: An Ecological Status and Trends Program.
PB92-121292/REB 92-01 PC **A02**/MF **A01**

U.S. Environmental Protection Agency's SITE Emerging Technology Program: 1991 Update.
PB92-150663/REB 92-01 PC **A02**/MF **A01**

U.S. EPA Nonpoint Source Information Exchange Computer Bulletin Board System (BBS). User's Manual.
PB92-228048/REB 92-04 PC **A04**/MF **A01**

U.S. EPA Office of Research and Development Overview of Current Radon Research.
PB92-121250/REB 92-01 PC **A02**/MF **A01**

U.S. EPA Program for Evaluation of Treatment and Utilization Technologies for Municipal Waste Combustion Residues.
PB92-121185/REB 92-01 PC **A03**/MF **A01**

U.S. EPA's Global Climate Change Program: Landfill Emissions and Mitigation Research.
PB92-180215/REB 92-01 PC **A03**/MF **A01**

U.S. EPA's Manual of Practice for the Investigation and Control of Cross-Connection Pollution into Storm Drainage Systems.
PB92-217074/REB 92-04 PC **A02**/MF **A01**

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PB92-963344/REB 92-01 PC **A01**/MF **A01**

Update on Implementation of the Oil Pollution Act of 1990. Volume 1, Number 4, September 1991.
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Update Package for RCRA Permit Policy Compendium (Assorted Volumes).
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User's Guide for the Urban Airshed Model. Volume 4. User's Manual for the Emissions Preprocessor System 2.0. Part A: Core FORTRAN System.
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Variable Phase Function Approach for the Inversion of Lidar Return Signals.
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Vendor Information System for Innovative Treatment Technologies. User Manual (VISITT Version 1.0). Number 1.
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PB92-218411/REB 92-04 PC **A07**/MF **A02**

Volunteer Lake Monitoring Program, 1991. Volume 1: Statewide Summary Report.
PB92-222512/REB 92-04 PC **A06**/MF **A02**

Volunteer Lake Monitoring Program, 1991. Volume 4: West-Central Illinois Region.
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Index entries in this section are selected to indicate important ideas and concepts presented in a report. When using the keyword index, be sure to look under terms narrower, broader, or related to a particular topic. Although some of the keywords are not selected from a controlled vocabulary of terms, most of them have been selected from the DoD, DoE, NASA, of NTIS controlled vocabularies. The entries are arranged by keyword and then by the NTIS order number.

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Use: Keywords Term	**GLOBAL ASPECTS**
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Parametric Analysis of the Installation and Operating Costs of Active Soil Depressurization Systems for *Residential Radon Mitigation.*
PB92-116037/REB 92-01 PC **A07**/MF **A02**

Cost Analysis of Soil Depressurization Techniques for Indoor Radon Reduction.
PB92-120443/REB 92-01 PC **A03**/MF **A01**

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PB92-217215/REB 92-04 PC **A02**

ADAMS COUNTY (COLORADO)
Superfund Record of Decision (EPA Region 8): Broderick Wood Products, Adams County, CO. (First Remedial Action), (Amendment), September 1991.
PB92-964402/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 8): Chemical Sales, (New Location), (Operable Unit 3), Adams County, CO. (Third Remedial Action), June 1991.
PB92-964410/REB 92-04 PC **A09**/MF **A02**

ADAPTIVE LOCAL GRID REFINEMENT
Optimal Adaptive Local Grid Refinement Approach to Modeling Contaminant Transport.
PB92-217314/REB 92-04 PC **A03**/MF **A01**

ADENOSINE DEAMINASE
Host Resistance to Murine Malaria in Mice Exposed to the Adenosine Deaminase Inhibitor, 2'-Deoxycoformycin.
PB92-150812/REB 92-01 PC **A03**/MF **A01**

ADHESIVES
Carpet Policy Dialogue. Compendium Report, September 27, 1991.
PB92-115005/REB 92-01 PC **A99**/MF **A06**

ADIPIC ACID
Capsule Report: Adipic Acid-Enhanced Lime/Limestone Test Results at the EPA Alkali Scrubbing Test Facility.
PB92-179944/REB 92-01 PC **A03**/MF **A01**

ADMINISTRATIVE PERSONNEL
Authorization for Regional Administrators to Approve Consistency Exemptions at NPL Sites.
PB92-963343/REB 92-01 PC **A01**/MF **A01**

ADMINISTRATIVE PROCEDURES
RCRA Permit Policy Compendium. Volume 1. User's Guide. Key Word Index.
PB92-111715/REB 92-01 PC **E10**

RCRA Permit Policy Compendium. Volume 2 (9420.1980-9434.1900). Hazardous Waste Management System (Part 260). General, Definitions, Petitions.
PB92-111723/REB 92-01 PC **A13**

RCRA Permit Policy Compendium. Volume 3 (9441.1980-9441.1986). Identification and Listing of Hazardous Waste (Part 261). General.
PB92-111731/REB 92-01 PC **A14**

RCRA Permit Policy Compendium. Volume 4 (9441.1987-9441.1990). Identification and Listing of Hazardous Waste (Part 261). General.
PB92-111749/REB 92-01 PC **A14**

RCRA Permit Policy Compendium. Volume 5 (9442.1980-9444.1986). Identification and Listing of Hazardous Waste (Part 261). Criteria for Identifying Hazardous Waste, Characteristics of Hazardous Waste, Lists of Hazardous Waste.
PB92-111756/REB 92-01 PC **A14**

RCRA Permit Policy Compendium. Volume 6 (9444.1987-9457.1990). Identification and Listing of Hazardous Waste (Part 261). Lists (Cont'd), Generator Standards (Part 262), General, Pretransportation, Recordkeeping, Special Conditions, Importing.
PB92-111764/REB 92-01 PC **A15**

RCRA Permit Policy Compendium. Volume 7 (9460.1980-9482.1990). Transporter Standards (Part 263). (TSDF's) (Parts 264 and 265), TSDF Technical Requirements (Parts 264 and 265).
PB92-111772/REB 92-01 PC **A11**

RCRA Permit Policy Compendium. Volume 8 (9483.1980-9489.1990). TSDF Technical Requirements (Parts 264 and 265). Tanks, Surface Impoundments, Waste Piles, Land Treatment, Landfills, Incinerators, Miscellaneous Units.
PB92-111780/REB 92-01 PC **A15**

RCRA Permit Policy Compendium. Volume 9 (9490.1980-9521.1990). Standards for Managing Specific Hazardous Wastes (Part 266). Permitting Policies, Permitting Procedures (Parts 124 and 270).
PB92-111798/REB 92-01 PC **A15**

RCRA Permit Policy Compendium. Volume 10 (9522.1980-9528.1990). Permitting Procedures (Parts 124 and 270). Applications, Conditions, Changes, Interim Status.
PB92-111806/REB 92-01 PC **A15**

RCRA Permit Policy Compendium. Volume 11 (9530.1980-9581.1990). Air Emissions Standards, State Authorization (Part 271), Land Disposal Restrictions (Part 268). Waste Minimization, Subtitle D, RCRA Grant Funds.
PB92-111814/REB 92-01 PC **A17**

ADRENAL CORTEX HORMONES

Influence of Chlordimeform on Alpha-Adrenergic Receptor-Associated Mechanisms of Hormonal Regulation in the Rat: Pituitary and Adrenocortical Secretion.
PB92-143908/REB 92-01 PC **A03**/MF **A01**

ADRENAL MEDULLA

Triphenyl Phosphite-Induced Ultrastructural Changes in Bovine Adrenomedullary Chromaffin Cells.
PB92-209337/REB 92-04 PC **A03**/MF **A01**

ADRIAN (MICHIGAN)

Superfund Record of Decision (EPA Region 5): Anderson Development Company Site, Lenawee County, Adrian, MI. (First Remedial Action), (Amendment), September 1991.
PB92-964114/REB 92-01 PC **A03**/MF **A01**

ADSORPTION

Adsorption of Surfactants (Chapter 7).
PB92-143809/REB 92-01 PC **A03**/MF **A01**

GAC Adsorption of a Mixture of Natural Organic Matter and VOCs in the Presence and Absence of Molecular Oxygen.
PB92-153782/REB 92-01 PC **A03**/MF **A01**

Technical Resource Document: Batch-Type Procedures for Estimating Soil Adsorption of Chemicals.
PB92-188515/REB 92-01 PC **A06**/MF **A02**

ADVACATE PROCESS

Evaluation of Pilot ESP Performance with Elevated Loadings from Sorbent Injection Processes.
PB92-113117/REB 92-01 PC **A03**/MF **A01**

Current Status of ADVACATE Process for Flue Gas Desulfurization (Journal Article).
PB92-150622/REB 92-01 PC **A02**/MF **A01**

AERATION

Soil-Air Permeability Method Evaluation.
PB92-124239/REB 92-01 PC **A02**/MF **A01**

Fine Pore (Fine Bubble) Aeration Systems.
PB92-150366/REB 92-01 PC **A04**/MF **A01**

AERIAL MONITORING

Aerial radiological survey of Pocatello and Soda Springs, Idaho and surrounding area, June-July 1986.
DE91017051/REB 92-01 PC **A03**/MF **A01**

AERIAL SURVEYS

Investigation of RADM Performance Using Aircraft Measurements.
PB92-152974/REB 92-01 PC **A02**/MF **A01**

AEROBIC PROCESSES

Guide for Conducting Treatability Studies under CERCLA: Aerobic Biodegradation Remedy Screening. Interim Guidance.
PB92-109065/REB 92-01 PC **A03**/MF **A01**

Guide for Conducting Treatability Studies under CERCLA: Aerobic Biodegradation Remedy Screening.
PB92-109073/REB 92-01 PC **A02**/MF **A01**

Guide for Conducting Treatability Studies under CERCLA: Aerobic Biodegradation Remedy Screening. Quick Reference Fact Sheet.
PB92-224377/REB 92-04 PC **A02**/MF **A01**

AEROBIOLOGY

Evaluation of Four Aerobiological Sampling Methods for the Retrieval of Aerosolized 'Pseudomonas syringae'.
PB92-158591/REB 92-01 PC **A01**/MF **A01**

AEROSOLS

Annular Denuders for Use in Global Climate and Stratospheric Measurements of Acidic Gases and Particles (Abstract Only).
N91-32531/6/REB 92-01
(Order as N91-32528/2/REB, PC **A05**/MF **A01**)

Manual for Non-CFC Aerosol Packaging: Conversion from CFC to Hydrocarbon Propellants.
PB92-101344/REB 92-01 PC **A10**/MF **A03**

Regional Fine Particle Field Study: Data Base and Initial Results.
PB92-106939/REB 92-01 PC **A05**/MF **A01**

Numerical Calculation: Aspiration Efficiency of Aerosols into Thin-Walled Sampling Inlets.
PB92-132901/REB 92-01 PC **A06**/MF **A02**

14C Source Apportionment Technique Applied to Wintertime Urban Aerosols and Gases for the EPA Integrated Air Cancer Project.
PB92-171370 92-01 Not available NTIS

Physical and Chemical Characterization of Indoor Aerosols Resulting from the Use of Tap Water in Portable Home Humidifiers.
PB92-188937/REB 92-01 PC **A02**/MF **A01**

Acid Aerosol Measurement Intercomparison Workshop. Held in Research Triangle Park, North Carolina on April 10-11, 1991.
PB92-191097/REB 92-01 PC **A15**/MF **A03**

Acid Aerosol Measurement Methods: Studies of Extraction and Analytical Effects.
PB92-191154/REB 92-01 PC **A02**/MF **A01**

AESCHYNOMENE VIRGINICA

Preparation and Regeneration of Protoplasts of 'Colletotrichum gloeosporioides' f. p. 'Aeschynomene'.
PB92-195734/REB 92-01 PC **A02**/MF **A01**

AFFERENT NEURONS

Colchicine-Induced Deafferentation of the Hippocampus Selectively Disrupts Cholinergic Rhythmical Slow Wave Activity.
PB92-120476/REB 92-01 PC **A03**/MF **A01**

AFFORESTATION

Proceedings of the International Workshop on Large-Scale Reforestation. Held in Corvallis, Oregon on May 9-10, 1990.
PB92-109131/REB 92-01 PC **A08**/MF **A02**

AFTER BURNING

Novel Method of Reducing Transient Emissions from Rotary Kiln Incinerators through Modified Waste Packaging.
PB92-195932/REB 92-01 PC **A02**/MF **A01**

AGING (BIOLOGY)

Concentration of Glial Fibrillary Acidic Protein Increases with Age in the Mouse and Rat Brain.
PB92-110535/REB 92-01 PC **A02**/MF **A01**

Age-Dependent Changes in Receptor-Stimulated Phosphoinositide Turnover in the Rat Hippocampus.
PB92-206333/REB 92-04 PC **A02**/MF **A01**

Aging in Today's Environment.
PB92-223254/REB 92-04 PC **A11**/MF **A03**

Age-Related Percutaneous Penetration of 2-sec-Butyl-4-6-Dinitrophenol (Dinoseb) in Rats.
PB92-227495/REB 92-04 PC **A03**/MF **A01**

Age-Dependent Changes in Activity of Mallard Plasma Cholinesterases.
PB92-232875/REB 92-04 PC **A01**/MF **A01**

AGRICULTURAL CHEMICALS

Drinking Water from Agriculturally Contaminated Groundwater.
PB92-195874/REB 92-01 PC **A03**/MF **A01**

AGRICULTURAL ENGINEERING

Committed Obligated Expected Expenditures Plan (COEEP).
PB92-186469/REB 92-01 PC **A03**/MF **A01**

Approach to Assessment of Management Impacts on Agricultural Soil Carbon.
PB92-217173/REB 92-04 PC **A03**/MF **A01**

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Modeling of Nonpoint Source Water Quality in Urban and Non-urban Areas.
PB92-109115/REB 92-01 PC **A05**/MF **A01**

AGRICULTURAL WORKERS

Pesticide Safety for Farmworkers (Uso Seguro de Pesticidas para los Trabajadores del Campo).
PB92-224344/REB 92-04 PC **A03**

AGRICULTURE

Integrating Sustainable Agriculture, Ecology, and Environmental Policy. Proceedings of a Workshop. Held in Arlington, Virginia, on July 22-23, 1991.
PB92-137975/REB 92-01 PC **A11**/MF **A03**

Nitrate Occurence in U.S. Waters (and Related Questions). A Reference Summary of Published Sources from an Agricultural Perspective.
PB92-155696/REB 92-01 PC **A03**/MF **A01**

Estimating Agriculture's Net Contribution to Atmospheric Carbon.
PB92-217165/REB 92-04 PC **A03**/MF **A01**

AIR-BIOSPHERE INTERACTIONS

Can Intensive Management Increase Carbon Storage in Forests.
PB92-113224/REB 92-01 PC **A02**/MF **A01**

Global Carbon Cycle and Climate Change: Responses and Feedbacks from Below-Ground Systems.
PB92-121359/REB 92-01 PC **A03**/MF **A01**

Global Ecosystems Database. Version 0.1 (Beta-test). EPA Global Climate Research Program. NOAA/NGDC Global Change Database Program. Prototype 1. Database Documentation. NGDC Key to Geophysical Records Documentation No. 25.
PB92-122803/REB 92-01 PC **A16**/MF **A03**

AIR CONDITIONERS

Waste Minimization Assessment for a Manufacturer of Components for Automobile Air Conditioners.
PB92-217272/REB 92-04 PC **A01**/MF **A01**

AIR CONDITIONING

HVAC Systems in the Current Stock of U.S. K-12 Schools.
PB92-218338/REB 92-04 PC **A04**/MF **A01**

AIR CONDITIONING EQUIPMENT

Recommended HVAC Standard of the Florida Radon Research Program.
PB92-147909/REB 92-01 PC **A03**/MF **A01**

AIR FILTERS

Capsule Report: Particulate Control by Fabric Filtration on Coal-Fired Industrial Boilers.
PB92-179894/REB 92-01 PC **A03**/MF **A01**

AIR FLOW

Modeling Air Flow Dynamics in Radon Mitigation Systems: A Simplified Approach.
PB92-120427/REB 92-01 PC **A02**/MF **A01**

Use of Four-Dimensional Data Assimilation in a Limited-Area Mesoscale Model Part 2: Effects of Data Assimilation within the Planetary Boundary Layer.
PB92-153923/REB 92-01 PC **A03**/MF **A01**

Simplified Modeling of Air Flow Dynamics in SSD Radon Mitigation Systems for Residences with Gravel Beds.
PB92-195635/REB 92-01 PC **A05**/MF **A01**

AIR LAND INTERACTIONS

Sulfate Retention and Cation Leaching of Forest Soils in Response to Acid Additions.
PB92-153394/REB 92-01 PC **A03**/MF **A01**

Land-Surface Hydrology Parameterization with Subgrid Variability for General Circulation Models.
PB92-217447/REB 92-04 PC **A03**/MF **A01**

AIR POLLUTANTS

Design and Implementation of a Collaborative Study of the Mutagenicity of Complex Mixtures in 'Salmonella typhimurium'.
PB92-150697/REB 92-01 PC **A02**/MF **A01**

Relative Mesothelioma Induction in Rats by Mineral Fibers: Comparison with Residual Pulmonary Mineral Fiber Number and Epidemiology.
PB92-233014/REB 92-04 PC **A03**/MF **A01**

AIR POLLUTION

Volatile Organic Compound (VOC) and Particulate Matter (PM) Speciation Data System User's Manual, Version 1.4.
PB92-105527/REB 92-01 PC **A04**/MF **A01**

Recommended Foundation Fill Materials Construction Standard of the Florida Radon Research Program.
PB92-105865/REB 92-01 PC **A03**/MF **A01**

Florida Radon Research Program: Technical Support for the Development of Radon Resistant Construction Standards.
PB92-108109/REB 92-01 PC **A03**/MF **A01**

Guideline for Regulatory Application of the Urban Airshed Model.
PB92-108760/REB 92-01 PC **A05**/MF **A01**

Urban Air Toxics Monitoring Program, 1990.
PB92-110022/REB 92-01 PC **A13**/MF **A03**

National Air Toxics Information Clearinghouse: Bibliography of Selected Reports and Federal Register Notices Related to Air Toxics. Volume 5. Citations, 1991.
PB92-111830/REB 92-01 PC **A10**/MF **A03**

National Air Toxics Information Clearinghouse: Ongoing Research and Regulatory Development Projects.
PB92-111905/REB 92-01 PC **A10**/MF **A03**

National Air Toxics Information Clearinghouse: Bibliography of Selected Reports and Federal Register Notices Related to Air Toxics. Index, 1991.
PB92-111913/REB 92-01 PC **A21**/MF **A04**

Emission Inventory Requirements for Carbon Monoxide State Implementation Plans, 1991.
PB92-112150/REB 92-01 PC **A05**/MF **A01**

Method 25: Determination of Total Gaseous Non-Methane Organic Emissions as Carbon from Stationary Sources.
PB92-113026/REB 92-01 PC **A07**/MF **A02**

Impact of Conservation Tillage Use on Soil and Atmospheric Carbon in the Contiguous United States.
PB92-113448/REB 92-01 PC **A03**/MF **A01**

Emission Inventory Requirements for Ozone State Implementation Plans.
PB92-118017/REB 92-01 PC **A06**/MF **A02**

Regional Oxidant Model (ROM) User's Guide. Part 4: The ROM System User Tutorial (Processor Network and Core Model).
PB92-120872/REB 92-01 PC **A10**/MF **A03**

Routine Estimation and Reporting of Dry Deposition for the U.S.A. Dry Deposition Network.
PB92-121144/REB 92-01 PC **A03**/MF **A01**

Global Carbon Cycle and Climate Change: Responses and Feedbacks from Below-Ground Systems.
PB92-121359/REB 92-01 PC **A03**/MF **A01**

Characteristics of Single Particle Coal Combustion.
PB92-121409/REB 92-01 PC **A02**/MF **A01**

NO/Char Reactions at Pulverized Coal Flame Conditions.
PB92-121417/REB 92-01 PC **A03**/MF **A01**

Nitric Oxide Formation during Pulverized Coal Combustion.
PB92-121433/REB 92-01 PC **A03**/MF **A01**

Oxidation and Devolatilization of Nitrogen in Coal Char.
PB92-121441/REB 92-01 PC **A02**/MF **A01**

Design, Development, and Implementation of AIRS' Area and Mobile Source Subsystem.
PB92-124213/REB 92-01 PC **A03**/MF **A01**

Regional Air Quality and Acid Deposition Modeling and the Role for Visualization.
PB92-124247/REB 92-01 PC **A03**/MF **A01**

Locating and Estimating Air Emissions from Sources of Styrene, Interim Report.
PB92-126788/REB 92-01 PC **A08**/MF **A02**

Compilation of Air Pollutant Emission Factors. Volume 1. Stationary Point and Area Sources. Fourth Edition. Supplement D.
PB92-126945/REB 92-01 PC **A07**/MF **A02**

Documentation of AIRS AMS National Methodologies.
PB92-132869/REB 92-01 PC **A07**/MF **A02**

Effects of Ozone on Crops.
PB92-136845/REB 92-01 PC **A03**/MF **A01**

Observations on Studies Useful to Asbestos Operations and Management Activities.
PB92-136860/REB 92-01 PC **A03**/MF **A01**

Identification and Characterization of Missing or Unaccounted for Area Source Categories.
PB92-139377/REB 92-01 PC **A15**/MF **A03**

National Air Quality and Emissions Trends Report, 1990.
PB92-141555/REB 92-01 PC **A07**/MF **A02**

Statistical Methodology for Exploring Elevational Differences in Precipitation Chemistry.
PB92-144088/REB 92-01 PC **A03**/MF **A01**

Crosswalk/Air Toxic Emission Factor Data Base Management System User's Manual, Version 1.2.
PB92-145556/REB 92-01 PC **A11**/MF **A03**

Determination of Rates of Reaction in the Gas-Phase in the Troposphere. Theory and Practice. 3. Rate of Indirect Photoreaction.
PB92-150374/REB 92-01 PC **A11**/MF **A03**

Determination of Rates of Reaction in the Gas-Phase in the Troposphere. Theory and Practice. 4. Rate of Indirect Photoreaction.
PB92-150382/REB 92-01 PC **A05**/MF **A01**

Solvent Use Emissions Estimation Methodologies: Future Implications.
PB92-150440/REB 92-01 PC **A03**/MF **A01**

National Air Pollutant Emission Estimates 1940-1990.
PB92-152859/REB 92-01 PC **A05**/MF **A02**

Partitioning of the Sulfate Budget into Gas and Aqueous-Phase Components in the Regional Acid Deposition Model (RADM).
PB92-152966/REB 92-01 PC **A02**/MF **A01**

Sensitivity of RADM to Point Source Emissions Processing.
PB92-152982/REB 92-01 PC **A02**/MF **A01**

Equilibrium-Analysis of Projected Climate Change Effects on the Global Soil Organic Matter Pool.
PB92-153022/REB 92-01 PC **A03**/MF **A01**

Global Carbon Cycle and Climate Change.
PB92-153741/REB 92-01 PC **A03**/MF **A01**

Climate Change and Isoprene Emissions from Vegetation.
PB92-153865/REB 92-01 PC **A03**/MF **A01**

Observations of Transport of Trace Gases by Vigorous Convective Clouds.
PB92-158484/REB 92-01 PC **A02**/MF **A01**

Evaluation of RADM Predictions for a Mesoscale-beta Box Volume over Northeastern Pennsylvania.
PB92-158492/REB 92-01 PC **A02**/MF **A01**

Performances of Lagrangian and Eulerian Transport and Diffusion Models across Continental Scales.
PB92-158500/REB 92-01 PC **A02**/MF **A01**

AcidMODES: A Major Field Study to Evaluate Regional Scale Air Pollution Models.
PB92-158518/REB 92-01 PC **A03**/MF **A01**

Effect of Sub-Grid-Scale Rainfall Analysis on Sulfate Wet Deposition Estimates in the Regional Lagrangian Model of Air Pollution (RELMAP).
PB92-158526/REB 92-01 PC **A02**/MF **A01**

Clean Air Act Requirements for Trace Metals Information.
PB92-164995/REB 92-01 PC **A02**/MF **A01**

Fluid Modeling Simulation of Stack-Tip Downwash for Neutrally Buoyant Plumes.
PB92-166644/REB 92-01 PC **A03**/MF **A01**

Stability of Tropospheric OH during Ice Ages, Inter-Glacial Epochs and Modern Times.
PB92-166669/REB 92-01 PC **A02**/MF **A01**

Health Assessment Document for Vermiculite.
PB92-166834/REB 92-01 PC **A03**/MF **A01**

Report of the Great Lakes Air Toxics Research Priorities Workshop. Held at Navarre, Minnesota on March 11-13, 1991.
PB92-166933/REB 92-01 PC **A03**/MF **A01**

Air Pollution Effects on Biodiversity.
PB92-170166/REB 92-01 PC **A15**/MF **A03**

Air Quality Criteria for Oxides of Nitrogen. Volume 1.
PB92-176361/REB 92-01 PC **A20**/MF **A04**

Air Quality Criteria for Oxides of Nitrogen. Volume 2.
PB92-176379/REB 92-01 PC **A99**/MF **A06**

Air Quality Criteria for Oxides of Nitrogen. Volume 3.
PB92-176387/REB 92-01 PC **A23**/MF **A04**

Evaluation of VOST and SemiVOST Methods for Halogenated Compounds in the Clean Air Act Amendments Title III, Bench and Laboratory Studies.
PB92-178979/REB 92-01 PC **A03**/MF **A01**

NATO Workshop on the Atmospheric Methane Cycle. Held in Mt. Hood, Oregon on October 6-11, 1991. Working Group Report on Methane Sources and Sinks.
PB92-180256/REB 92-01 PC **A03**/MF **A01**

Human Exposure Model-II; User's Guide.
PB92-186246/REB 92-01 PC **A08**/MF **A02**

Gridded Model Information Support System (GMISS) User's Guide. Volume 3. Model Concentration Data Retrieval Subsystem.
PB92-190263/REB 92-01 PC **A05**/MF **A01**

Sensitivity of Modeled Ozone Concentrations to Uncertainties in Biogenic Emissions.
PB92-192202/REB 92-01 PC **A10**/MF **A03**

Analysis of Emissions from Residential Oil Furnaces.
PB92-195981/REB 92-01 PC **A03**/MF **A01**

Directory of OAQPS Information Services, May 1992.
PB92-198654/REB 92-01 PC **A03**/MF **A01**

Protocols for Evaluating Oxidant Mechanisms for Urban and Regional Models.
PB92-205848/REB 92-04 PC **A06**/MF **A02**

Chemical and Physical Properties of Emissions from Kuwait Oil Fires.
PB92-206481/REB 92-04 PC **A03**/MF **A01**

Air Emissions from the Treatment of Soils Contaminated with Petroleum Fuels and Other Substances.
PB92-212976/REB 92-04 PC **A12**/MF **A03**

Guideline for Regulatory Application of the Urban Airshed Model for Areawide Carbon Monoxide. Volume 1. Technical Report.
PB92-213222/REB 92-04 PC **A04**/MF **A01**

Guideline for Regulatory Application of the Urban Airshed Model for Areawide Carbon Monoxide. Volume 2. Appendices.
PB92-213230/REB 92-04 PC **A04**/MF **A01**

Feasibility of Including Regional and Temporal VOC Emissions Estimates in the EPA Emissions Trends Report.
PB92-216910/REB 92-04 PC **A04**/MF **A01**

Estimating Agriculture's Net Contribution to Atmospheric Carbon.
PB92-217165/REB 92-04 PC **A03**/MF **A01**

Seasonal Variations of Stable Hydrogen and Carbon Isotope Ratios of Methane in Subtropical Freshwater Sediments.
PB92-217181/REB 92-04 PC **A03**/MF **A01**

Fiscal Year 1991 Summary Report of NOAA Atmospheric Sciences Modeling Division Support to the U.S. Environmental Protection Agency.
PB92-217835/REB 92-04 PC **A05**/MF **A01**

Documentation for Developing the Initial Source Category List.
PB92-218429/REB 92-04 PC **A16**/MF **A03**

Rethinking the Ozone Problem in Urban and Regional Air Pollution.
PB92-223221/REB 92-04 PC **A22**/MF **A04**

Polychlorinated Biphenyls.
PB92-223288/REB 92-04 PC **A09**/MF **A03**

Environmental Crisis in the Gulf. The U.S. Response.
PB92-226182/REB 92-04 PC **A03**/MF **A01**

User's Guide for the Urban Airshed Model. Volume 4. User's Manual for the Emissions Preprocessor System 2.0. Part A: Core FORTRAN System.
PB92-226232/REB 92-04 PC **A19**/MF **A04**

User's Guide for the Industrial Source Complex (ISC2) Dispersion Models. Volume 1. User Instructions.
PB92-232453/REB 92-04 PC **A13**/MF **A03**

User's Guide for the Industrial Source Complex (ISC2) Dispersion Models. Volume 2: Description of Model Algorithms.
PB92-232461/REB 92-04 PC **A05**/MF **A01**

User's Guide for the Industrial Source Complex (ISC2) Dispersion Models. Volume 3: Guide to Programmers.
PB92-232479/REB 92-04 PC **A07**/MF **A02**

Volatile Organic Compound and Particulate Matter (VOC/PM) Speciation Data Base Management System (SPECIATE), Version 1.4 (for Microcomputers).
PB92-500354/REB 92-01 CP **D02**

Regional Oxidant Model (ROM), (Source Code Only) (Version 2.1).
PB92-500842/REB 92-01 MagTape$1500.00

Regional Oxidant Model (ROM), Source Code and Test Data (Version 2.1).
PB92-500859/REB 92-01 MagTape$4000.00

National Acid Precipitation Assessment Program (NAPAP) Emissions Inventory, 1985 (Version 2). Development of the Annual Data and Modelers' (for Microcomputers).
PB92-501139/REB 92-01 CP **D04**

Crosswalk/Air Toxic Emission Factor Data Base Management System (XATEF), (Version 1.2) (for Microcomputers).
PB92-501626/REB 92-01 CP **D02**

EPA (Environmental Protection Agency) Publications Bibliography, Quarterly Abstract Bulletin.
PB92-904200/REB 92-01 Subscription

CERCLA Reporting Requirements for Releases of Ethylene Glycol from Airplane De-Icing Operations.
PB92-963402/REB 92-01 PC **A02**/MF **A01**

AIR POLLUTION ABATEMENT

Degreaser System Pollution Prevention Evaluation.
AD-A242 110/5/REB 92-01 PC **A06**/MF **A02**

Combustion Control of Trace Organic Air Pollutants from Municipal Waste Combustors.
PB92-113158/REB 92-01 PC **A03**/MF **A01**

Proceedings: The 1991 International Symposium on Radon and Radon Reduction Technology. Volume 1. Symposium Oral Papers Opening Session and Technical Sessions 1 through 5.
PB92-115351/REB 92-01 PC **A18**/MF **A04**

Proceedings: The 1991 International Symposium on Radon and Radon Reduction Technology. Volume 2. Symposium Oral Papers Technical Sessions 6 through 10.
PB92-115369/REB 92-01 PC **A19**/MF **A04**

Proceedings: The 1991 International Symposium on Radon and Radon Reduction Technology. Volume 3. Symposium Panel and Poster Papers Technical Sessions 1 through 5.
PB92-115377/REB 92-01 PC **A20**/MF **A04**

Proceedings: The 1991 International Symposium on Radon and Radon Reduction Technology. Volume 4. Symposium Poster Papers Technical Sessions 6 through 10.
PB92-115385/REB 92-01 PC **A13**/MF **A03**

National Radon Contractor Proficiency (RCP) Program. Proficiency Report, January 1992.
PB92-120914/REB 92-01 PC **A10**/MF **A03**

Waste Combustion System Analysis.
PB92-125418/REB 92-01 PC **A06**/MF **A02**

Stratospheric Ozone Protection: An EPA Engineering Perspective.
PB92-136894/REB 92-01 PC **A02**/MF **A01**

Co-Existing with Asbestos: A Look at the Engineering Research Program of the U.S. Environmental Protection Agency.
PB92-139419/REB 92-01 PC **A03**/MF **A01**

Degreasing System Pollution Prevention Evaluation.
PB92-139443/REB 92-01 PC **A03**/MF **A01**

Air/Superfund National Technical Guidance Study Series: Estimation of Air Impacts for Soil Vapor Extraction (SVE) Systems.
PB92-143676/REB 92-01 PC **A03**/MF **A01**

EPA's Research Projects Relating to the Dual-Circuit and Lorenz Refrigerator/Freezers.
PB92-150630/REB 92-01 PC **A01**/MF **A01**

Pollution Prevention Methods in the Surface Coating Industry.
PB92-153337/REB 92-01 PC **A03**/MF **A01**

Technology for Reduction of CO2 Emissions from the Transportation Sector.
PB92-153733/REB 92-01 PC **A03**/MF **A01**

Simulation Results of Single Refrigerants for Use in a Dual-Circuit Refrigerator/Freezer.
PB92-153790/REB 92-01 PC **A01**/MF **A01**

Summary of NOx Control Technologies and Their Availability and Extent of Application.
PB92-158260/REB 92-01 PC **A06**/MF **A02**

Asbestos Concentrations Two Years After Abatement in Seventeen Schools.
PB92-158476/REB 92-01 PC **A03**/MF **A01**

Evaluation of NOx Emissions from TVA Coal-Fired Power Plants.
PB92-164813/REB 92-01 PC **A03**/MF **A01**

Status of Selected Air Pollution Control Programs, February 1992.
PB92-171966/REB 92-01 PC **A09**/MF **A02**

Procedures for Establishing Emissions for Early Reduction Compliance Extensions. Volume 1. Synthetic Organic Chemical Manufacturing, Ethylene Oxide Sterilization, and Chromium Electroplating.
PB92-176221/REB 92-01 PC **A05**/MF **A01**

Development of a Core Combustion Research Program Plan for EPA.
PB92-180868/REB 92-01 PC **A03**/MF **A01**

Application for Certification 1991 Model Year Light-Duty Vehicles - SportsCar America, PUMA Division Inc.
PB92-182799/REB 92-04 PC **A03**/MF **A01**

Application for Certification 1992 Model Year Light-Duty Vehicles - BMW of North America, Inc.
PB92-182807/REB 92-04 PC **A99**/MF **E11**

Application for Certification 1993 Model Year Light-Duty Vehicles - Fiat Auto R and D U.S.A.
PB92-182815/REB 92-04 PC **A14**/MF **A03**

Application for Certification 1993 Model Year Light-Duty Trucks - Grumman Olson.
PB92-182823/REB 92-04 PC **A07**/MF **A02**

Application for Certification 1992 Model Year Light-Duty Vehicles - Lotus Cars, Ltd.
PB92-182831/REB 92-04 PC **A99**/MF **E08**

Application for Certification 1992 Model Year Light-Duty Vehicles - Infiniti, Nissan Motors Co., Ltd.
PB92-182849/REB 92-04 PC **A25**/MF **A06**

Application for Certification 1992 Model Year Light-Duty Vehicles - Maxima, Nissan Motors Co., Ltd.
PB92-182856/REB 92-04 PC **A25**/MF **A06**

Application for Certification 1992 Model Year Light-Duty Vehicles - Stanza, Nissan Motors Co., Ltd.
PB92-182864/REB 92-04 PC **A99**/MF **A06**

Application for Certification 1992 Model Year Light-Duty Trucks - Nissan Motors Co., Ltd.
PB92-182872/REB 92-04 PC **A17**/MF **A04**

Application for Certification 1992 Model Year Light-Duty Vehicles - Porsche.
PB92-182880/REB 92-04 PC **A99**/MF **A06**

Application for Certification 1992 Model Year Light-Duty Vehicles - Saab Cars USA, Inc.
PB92-182898/REB 92-04 PC **A19**/MF **A04**

Application for Certification 1993 Model Year Light-Duty Vehicles - Toyota Technical Center, U.S.A. Inc.
PB92-182906/REB 92-04 PC **A09**/MF **A03**

Application for Certification 1992 Model Year Heavy-Duty Diesel Engines - Caterpillar.
PB92-182922/REB 92-04 PC **A18**/MF **A04**

Application for Certification 1992 Model Year Heavy-Duty Diesel Vehicles - Cummins Engine Company, Inc.
PB92-182930/REB 92-04 PC **A21**/MF **A04**

Application for Certification 1992 Model Year Heavy-Duty Diesel Engines - Detroit Diesel Corporation.
PB92-182948/REB 92-04 PC **A10**/MF **A03**

Application for Certification 1992 Model Year Heavy-Duty Diesel Vehicles - Hino Motors, Ltd.
PB92-182955/REB 92-04 PC **A07**/MF **A02**

Application for Certification 1992 Model Year Heavy-Duty Vehicles - Mack Trucks.
PB92-182963/REB 92-04 PC **A12**/MF **A03**

Application for Certification 1992 Model Year Heavy-Duty Vehicles - Navistar International Corporation.
PB92-182971/REB 92-04 PC **A05**/MF **A01**

Application for Certification 1992 Model Year Heavy-Duty Vehicles - Winnebago Industries, Inc.
PB92-182989/REB 92-04 PC **A05**/MF **A01**

Application for Certification 1993 Model Year Heavy-Duty Vehicles - Winnebago Industries, Inc.
PB92-182997/REB 92-04 PC **A03**/MF **A01**

Control of VOC Emissions from Ink and Paint Manufacturing Processes.
PB92-190230/REB 92-01 PC **A09**/MF **A02**

VOC Prevention Options for Surface Coating.
PB92-198266/REB 92-04 PC **A03**/MF **A01**

National Radon Contractor Proficiency (RCP) Program. Proficiency Report, July 1992.
PB92-206150/REB 92-04 PC **A12**/MF **A03**

Technical Support Document to Aid States with the Development of Carbon Monoxide State Implementation Plans.
PB92-233055/REB 92-04 PC **A04**/MF **A01**

Mobile Air-Conditioning Recycling Manual.
PB92-235688/REB 92-04 PC **A08**/MF **A02**

AIR POLLUTION CONTROL

Analysis of Factors Affecting Methane Gas Recovery from Six Landfills.
PB92-101351/REB 92-01 PC **A13**/MF **A03**

Recommended Sub-Slab Depressurization Systems Design Standard of the Florida Radon Research Program.
PB92-105626/REB 92-01 PC **A03**/MF **A01**

Regional Ozone Modeling for Northeast Transport (ROMNET).
PB92-108786/REB 92-01 PC **A15**/MF **A03**

Regional Ozone Modeling for Northeast Transport (ROMNET). Appendices.
PB92-108794/REB 92-01 PC **A15**/MF **A03**

Procedures for the Preparation of Emission Inventories for Carbon Monoxide and Precursors of Ozone. Volume 1. General Guidance for Stationary Sources.
PB92-112168/REB 92-01 PC **A11**/MF **A03**

Example Emission Inventory Documentation for Post-1987 Ozone State Implementation Plans (SIPs).
PB92-112176/REB 92-01 PC **A18**/MF **A04**

Proceedings: The 1991 International Symposium on Radon and Radon Reduction Technology. Volume 1. Symposium Oral Papers Opening Session and Technical Sessions 1 through 5.
PB92-115351/REB 92-01 PC **A18**/MF **A04**

Proceedings: The 1991 International Symposium on Radon and Radon Reduction Technology. Volume 2. Symposium Oral Papers Technical Sessions 6 through 10.
PB92-115369/REB 92-01 PC **A19**/MF **A04**

Proceedings: The 1991 International Symposium on Radon and Radon Reduction Technology. Volume 3. Symposium Panel and Poster Papers Technical Sessions 1 through 5.
PB92-115377/REB 92-01 PC **A20**/MF **A04**

Proceedings: The 1991 International Symposium on Radon and Radon Reduction Technology. Volume 4. Symposium Poster Papers Technical Sessions 6 through 10.
PB92-115385/REB 92-01 PC **A13**/MF **A03**

Parametric Analysis of the Installation and Operating Costs of Active Soil Depressurization Systems for Residential Radon Mitigation.
PB92-116037/REB 92-01 PC **A07**/MF **A02**

Modeling Air Flow Dynamics in Radon Mitigation Systems: A Simplified Approach.
PB92-120427/REB 92-01 PC **A02**/MF **A01**

Cost Analysis of Soil Depressurization Techniques for Indoor Radon Reduction.
PB92-120443/REB 92-01 PC **A03**/MF **A01**

Modeling Wave Form Effects in ESPs: The Algorithm in ESPM and ESPVI.
PB92-121243/REB 92-01 PC **A03**/MF **A01**

U.S. EPA Office of Research and Development Overview of Current Radon Research.
PB92-121250/REB 92-01 PC **A02**/MF **A01**

Sub-Slab Pressure Field Extension in Schools and Other Large Buildings.
PB92-121268/REB 92-01 PC **A03**/MF **A01**

Evaluation of NOx Emission Control Catalysts for Power Plant SCR Installations.
PB92-121276/REB 92-01 PC **A03**/MF **A01**

Cleaning of Flue Gases from Waste Combustors, 1990.
PB92-121300/REB 92-01 PC **A03**/MF **A01**

Stationary Combustion NOx Control: A Summary of the 1991 Symposium. Held in Washington, DC., March 25-28, 1991.
PB92-121375/REB 92-01 PC **A02**/MF **A01**

Role of Gas-Phase Cl2 in the Formation of PCDD/PCDF during Waste Combustion.
PB92-121383/REB 92-01 PC **A02**/MF **A01**

Effect of Natural Ventilation on Radon and Radon Progeny Levels in Houses.
PB92-124148/REB 92-01 PC **A03**/MF **A01**

Effect of Storage Conditions on Handling and SO2 Reactivity of Ca(OH)2-Based Sorbents.
PB92-124270/REB 92-01 PC **A02**/MF **A01**

Economic Impact Analysis of Regulatory Controls in the Dry Cleaning Industry.
PB92-126770/REB 92-01 PC **A11**/MF **A03**

Development of Seasonal and Annual Biogenic Emissions Inventories for the U.S. and Canada.
PB92-126796/REB 92-01 PC **A07**/MF **A02**

Experimental Investigation of PIC Formation in CFC Incineration.
PB92-126952/REB 92-01 PC **A06**/MF **A02**

Alternative Control Techniques Document: Nitric and Adipic Acid Manufacturing Plants.
PB92-132828/REB 92-01 PC **A07**/MF **A02**

Technical Guidance: Stage II Vapor Recovery Systems for Control of Vehicle Refueling Emissions at Gasoline Dispensing Facilities. Volume 1. Chapters.
PB92-132844/REB 92-01 PC **A10**/MF **A03**

Technical Guidance: Stage II Vapor Recovery Systems for Control of Vehicle Refueling Emissions at Gasoline Dispensing Facilities. Volume 2. Appendices.
PB92-132851/REB 92-01 PC **A20**/MF **A04**

Clean Air Act Section 183(d) Guidance on Cost-Effectiveness.
PB92-136795/REB 92-01 PC **A03**/MF **A01**

Demonstration of Fuel Cells to Recover Energy from Landfill Gas. Phase 1 Final Report: Conceptual Study.
PB92-137520/REB 92-01 PC **A05**/MF **A01**

New Developments in Emission Projection Methodologies.
PB92-139393/REB 92-01 PC **A02**/MF **A01**

Co-Existing with Asbestos: A Look at the Engineering Research Program of the U.S. Environmental Protection Agency.
PB92-139419/REB 92-01 PC **A03**/MF **A01**

Residential Wood Combustion: Issues and Emission Estimation Techniques.
PB92-139435/REB 92-01 PC **A03**/MF **A01**

Conceptual Design Issues: Developing a New Highway Vehicle Emissions Estimation Methodology.
PB92-139450/REB 92-01 PC **A02**/MF **A01**

Handbook: Control Technologies for Hazardous Air Pollutants.
PB92-141373/REB 92-01 PC **A12**/MF **A03**

Slowing the Increase of Atmospheric Carbon Dioxide: A Biological Approach.
PB92-144070/REB 92-01 PC **A02**/MF **A01**

Burning Tires for Fuel and Tire Pyrolysis: Air Implications.
PB92-145358/REB 92-01 PC **A11**/MF **A03**

User's Guide for the Urban Airshed Model. Volume 6. User's Manual for the Postprocessing System.
PB92-145382/REB 92-01 PC **A06**/MF **A02**

Assessment of VOC Emissions and Their Control from Baker's Yeast Manufacturing Facilities.
PB92-145408/REB 92-01 PC **A04**/MF **A01**

Sulfur Oxides Control Technology Series: Flue Gas Desulfurization: Spray Dryer Process.
PB92-150358/REB 92-01 PC **A03**/MF **A01**

Fuel Cell Energy Recovery from Landfill Gas.
PB92-150614/REB 92-01 PC **A03**/MF **A01**

Current Status of ADVACATE Process for Flue Gas Desulfurization (Journal Article).
PB92-150622/REB 92-01 PC **A02**/MF **A01**

Diagnostic Evaluation of Regional Acid Deposition Model (RADM) Performance during a Period of Frontal Passage Using Aircraft Measurements.
PB92-152958/REB 92-01 PC **A06**/MF **A02**

Global Assessment of Promising Forest Management Practices for Sequestration of Carbon.
PB92-153006/REB 92-01 PC **A03**/MF **A01**

Trace Elements, Leaching and Health Risks from Municipal Waste Combustion Ash.
PB92-153311/REB 92-01 PC **A03**/MF **A01**

Summary of NOx Control Technologies and Their Availability and Extent of Application.
PB92-158260/REB 92-01 PC **A06**/MF **A02**

Enabling Document for New Source Performance Standards for Air Oxidation Processes and Distillation Operations in the Synthetic Organic Chemical Manufacturing Industry.
PB92-161967/REB 92-01 PC **A04**/MF **A01**

Tiered Modeling Approach for Assessing the Risks Due to Sources of Hazardous Air Pollutants.
PB92-164748/REB 92-01 PC **A03**/MF **A01**

Controlling Odorous Emissions from Iron Foundries.
PB92-166925/REB 92-01 PC **A03**/MF **A01**

Natural Basement Ventilation as a Radon Mitigation Technique.
PB92-166958/REB 92-01 PC **A03**/MF **A01**

Status of Selected Air Pollution Control Programs, February 1992.
PB92-171966/REB 92-01 PC **A09**/MF **A02**

Transportation Control Measure Information Documents.
PB92-173566/REB 92-01 PC **A19**/MF **A04**

Guideline Series: Control of Volatile Organic Compound Emissions from Reactor Processes and Distillation Operations Processes in the Synthetic Organic Chemical Manufacturing Industry.
PB92-180009/REB 92-01 PC **A09**/MF **A03**

Air Stripping of Aqueous Solutions. Engineering Bulletin.
PB92-180033/REB 92-01 PC **A02**/MF **A01**

Control of Air Emissions from Materials Handling during Remediation. Engineering Bulletin.
PB92-180041/REB 92-01 PC **A02**/MF **A01**

U.S. EPA's Global Climate Change Program: Landfill Emissions and Mitigation Research.
PB92-180215/REB 92-01 PC **A03**/MF **A01**

What Is the Potential of Forest Management to Slow the Increase of Atmospheric CO2.
PB92-180249/REB 92-01 PC **A03**/MF **A01**

Radon Prevention in the Design and Construction of Schools and other Large Buildings.
PB92-180298/REB 92-01 PC **A01**/MF **A01**

Development of a Core Combustion Research Program Plan for EPA.
PB92-180868/REB 92-01 PC **A03**/MF **A01**

Control of VOC Emissions from Ink and Paint Manufacturing Processes.
PB92-190230/REB 92-01 PC **A09**/MF **A02**

Measurement Solution: Using a Temporary Total Enclosure for Capture Efficiency Testing.
PB92-190271/REB 92-01 PC **A07**/MF **A02**

Simplified Modeling of Air Flow Dynamics in SSD Radon Mitigation Systems for Residences with Gravel Beds.
PB92-195635/REB 92-01 PC **A05**/MF **A01**

Effects of Operating Variables on PAH Emissions and Mutagenicity of Emissions from Woodstoves (Journal Article).
PB92-195809/REB 92-01 PC **A02**/MF **A01**

Sorbent/Urea Slurry Injection for Simultaneous SO2/NOx Removal.
PB92-195817/REB 92-01 PC **A02**/MF **A01**

Predictions of Azeotropes Formed from Fluorinated Ethers, Ethanes, and Propanes.
PB92-195908/REB 92-01 PC **A03**/MF **A01**

Landfill Gas Utilization: Options, Benefits, and Barriers.
PB92-195916/REB 92-01 PC **A03**/MF **A01**

Novel Method of Reducing Transient Emissions from Rotary Kiln Incinerators through Modified Waste Packaging.
PB92-195932/REB 92-01 PC **A02**/MF **A01**

Parametric Evaluation of Powdered Activated Carbon Injection for Control of Mercury Emissions from a Municipal Waste Combustor.
PB92-195940/REB 92-01 PC **A03**/MF **A01**

Reducing Mercury Emission from Municipal Waste Combustion with Carbon Injection into Flue Gas.
PB92-195965/REB 92-04 PC **A03**/MF **A01**

Guide for Using the Empirical Kinetics Modeling Approach Interface (EKMAI).
PB92-196005/REB 92-01 PC **A03**/MF **A01**

EPA's Control Technology Center: Technical Support to Federal, State, and Local Agencies.
PB92-198233/REB 92-04 PC **A02**/MF **A01**

Using a Flame Ionization Detector (FID) Continuously Measure Toxic Organic Vapors in a Paint Spray Booth.
PB92-198258/REB 92-01 PC **A03**/MF **A01**

Costs of Radon Diagnostics and Mitigation in School Buildings.
PB92-198282/REB 92-04 PC **A03**/MF **A01**

Modeling Radon Entry into Florida Houses with Concrete Slabs and Concrete-Block Stem Walls.
PB92-201128/REB 92-04 PC **A06**/MF **A02**

Demonstration of Sorbent Injection Technology on a *Wall-Fired Utility Boiler (Edgewater Limb Demonstration).*
PB92-201136/REB 92-04 PC **A10**/MF **A03**

Air Pollution Engineering Research at the U.S. Environmental Protection Agency.
PB92-206457/REB 92-04 PC **A01**/MF **A01**

Full-Scale Laboratory Simulation Facility to Test Particulate and Organic Emissions from a Third World Residential Combustion Process. III Evaluation of a Potential Technique for the Control of Emissions from the Indoor, Open Hearth Combustion of Coal.
PB92-206499/REB 92-04 PC **A03**/MF **A01**

Physical Property Data on Fluorinated Propanes and Butanes as CFC and HCFC Alternatives.
PB92-206507/REB 92-04 PC **A03**/MF **A01**

Data Logging Systems for Monitoring Long-Term Radon *Mitigation Experimental Programs in Schools and Other* Large Buildings.
PB92-206580/REB 92-04 PC **A03**/MF **A01**

Surface-Coating-Free Materials and Reduction of VOC Emissions from Coating Operations.
PB92-206614/REB 92-04 PC **A03**/MF **A01**

Interagency Workgroup on Air Quality Modeling (IWAQM) Work Plan Rationale.
PB92-213248/REB 92-04 PC **A03**/MF **A01**

Landfill Gas Recovery/Utilization: Options and Economics.
PB92-217066/REB 92-04 PC **A03**/MF **A01**

Approach to Assessment of Management Impacts on Agricultural Soil Carbon.
PB92-217173/REB 92-04 PC **A03**/MF **A01**

Volatile Emissions from Stabilization/Solidification of Hazardous Waste.
PB92-217371/REB 92-04 PC **A03**/MF **A01**

HVAC Systems in the Current Stock of U.S. K-12 Schools.
PB92-218338/REB 92-04 PC **A04**/MF **A01**

User's Guide for the Urban Airshed Model. Volume 7. User's Manual for the Performance Evaluation System.
PB92-224849/REB 92-04 PC **A07**/MF **A02**

Soil Vapor Extraction Column Experiments on Gasoline Contaminated Soil.
PB92-226430/REB 92-04 PC **A05**/MF **A01**

Control of VOC Emissions from Nonferrous Metal Rolling Processes.
PB92-227677/REB 92-04 PC **A05**/MF **A01**

Carbon Storage Potential of Short Rotation Tropical Tree Plantations.
PB92-232891/REB 92-04 PC **A03**/MF **A01**

RACT/BACT/LAER Clearinghouse: A Compilation of Control Technology Determinations. Second Supplement to the 1990 Edition.
PB92-235647/REB 92-04 PC **A20**/MF **A04**

Control Technology Center FY91: A Fifth Year of Growth.
PB92-238468/REB 92-04 PC **A04**/MF **A01**

Reference Guide to Odor Thresholds for Hazardous Air Pollutants Listed in the Clean Air Act Amendments of 1990.
PB92-239516/REB 92-04 PC **A05**/MF **A01**

Operations and Research at the U.S. EPA Incineration Research Facility: Annual Report for FY91.
PB92-239540/REB 92-04 PC **A06**/MF **A02**

AIR POLLUTION CONTROL EQUIPMENT

Trace Metal Fate in a Rotary Kiln Incinerator with an Ionizing Wet Scrubber (Journal Article).
PB92-110568/REB 92-01 PC **A02**/MF **A01**

Effects on Electrostatic Precipitation of Changes in Grain Loading, Size Distribution, Resistivity, and Temperature.
PB92-113109/REB 92-01 PC **A03**/MF **A01**

Evaluation of Pilot ESP Performance with Elevated Loadings from Sorbent Injection Processes.
PB92-113117/REB 92-01 PC **A03**/MF **A01**

SUPER ESP: Ultimate Electrostatic Precipitation.
PB92-113125/REB 92-01 PC **A03**/MF **A01**

Measurement and Prediction of the Resistivity of Ash/Sorbent Mixtures Produced by Sulfur Oxide Control Processes.
PB92-126812/REB 92-01 PC **A04**/MF **A01**

Hazardous Air Pollutant Program (HAP-PRO). User's Manual (for Use with Version 1.0, January-September, 1990).
PB92-135904/REB 92-01 PC **A04**/MF **A01**

QAQPS Control Cost Manual (Fourth Edition). Supplement 1.
PB92-137181/REB 92-01 PC **A05**/MF **A01**

Sulfur Oxides Control Technology Series: Flue Gas Desulfurization. Dual Alkali Process.
PB92-150341/REB 92-01 PC **A03**/MF **A01**

ESP VI 4.0 Electrostatic Precipitator VI and Performance Prediction Model.
PB92-169614/REB 92-04 PC **A05**/MF **A01**

Incineration Data on Arsenic and Lead Emissions.
PB92-179043/REB 92-01 PC **A03**/MF **A01**

Capsule Report: Particulate Control by Fabric Filtration on Coal-Fired Industrial Boilers.
PB92-179894/REB 92-01 PC **A03**/MF **A01**

Capsule Report: Bahco Flue Gas Desulfurization and Particulate Removal System.
PB92-179902/REB 92-01 PC **A03**/MF **A01**

Capsule Report: Adipic Acid-Enhanced Lime/Limestone Test Results at the EPA Alkali Scrubbing Test Facility.
PB92-179944/REB 92-01 PC **A03**/MF **A01**

Capsule Report: Benefits of Microprocessor Control of Curing Ovens for Solvent-Based Coatings.
PB92-179993/REB 92-01 PC **A03**/MF **A01**

Alternative Control Techniques Document: For PM-10 Emissions from Ferrous Foundries.
PB92-180017/REB 92-01 PC **A07**/MF **A02**

Corona Destruction: An Innovative Control Technology for VOCs and Air Toxics.
PB92-206622/REB 92-04 PC **A03**/MF **A01**

Hazardous Air Pollutant Program (HAP-PRO). Version 1 (for Microcomputers).
PB92-501212/REB 92-01 CP **D03**

Electrostatic Precipitator V-I (ESPVI 4.0) and Performance Prediction Model (for Microcomputers).
PB92-502251/REB 92-04 CP **D02**

AIR POLLUTION DETECTION

Annular Denuders for Use in Global Climate and Stratospheric Measurements of Acidic Gases and Particles (Abstract Only).
N91-32531/6/REB 92-01
(Order as N91-32528/2/REB, PC **A05**/MF **A01**)

Screening Methods for the Development of Air Toxics Emission Factors.
PB92-108778/REB 92-01 PC **A20**/MF **A04**

Source Reconciliation of Ambient Volatile Organic Compounds Measured in the Atlanta 1990 Summer Study: The Mobile Source Component.
PB92-124130/REB 92-01 PC **A03**/MF **A01**

Superfund Innovative Technology Evaluation: The Delaware SITE Study, 1989.
PB92-125749/REB 92-01 PC **A08**/MF **A02**

Fractionation of Complex Combustion Mixtures Using an Ion-Exchange Methodology.
PB92-126887/REB 92-01 PC **A02**/MF **A01**

Evaluation of a Sampling and Analysis Method for Determination of Polyhalogenated Dibenzo-p-Dioxins and Dibenzofurans in Ambient Air.
PB92-129600/REB 92-01 PC **A02**/MF **A01**

Standard Reference Materials for Chemical and Biological Studies of Complex Environmental Samples.
PB92-150705/REB 92-01 PC **A03**/MF **A01**

Emissions of Metals, Chromium and Nickel Species, and Organics from Municipal Wastewater Sludge Incinerators. Volume 2. Site 5 Emission Test Report Hexavalent Chromium Method Evaluation.
PB92-151562/REB 92-01 PC **A05**/MF **A01**

Emissions of Metals, Chromium and Nickel Species, and Organics from Municipal Wastewater Sludge Incinerators. Volume 3. Site 6 Emissions Test Report.
PB92-151570/REB 92-01 PC **A07**/MF **A02**

Emissions of Metals, Chromium and Nickel Species, and Organics from Municipal Wastewater Sludge Incinerators. Volume 4. Site 6 Emission Test Report - Appendices.
PB92-151588/REB 92-01 PC **A13**/MF **A03**

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PB92-151612/REB 92-01 PC **A16**/MF **A03**

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PB92-113232/REB 92-01 PC **A02**/MF **A01**

Intersubject Variability in Human Acute Ozone Responsiveness. Symposium Proceedings.
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Deposition Patterns of Cigarette Smoke in Human Airways.
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Review of the National Ambient Air Quality Standards for Ozone Assessment of Scientific and Technical Information. OAQPS Staff Paper.
PB92-190446/REB 92-01 PC **A17**/MF **A03**

Mutagenicity of Emissions from the Simulated Open Burning of Scrap Rubber Tires.
PB92-217009/REB 92-04 PC **A04**/MF **A01**

Transactions: Tropospheric Ozone and the Environment. Papers from an International Conference.
PB92-217017/REB 92-04 PC **A03**/MF **A01**

Effects of Heavy Industrial Pollution on Respiratory Function in the Children of Cubatao, Brazil: A Preliminary Report.
PB92-217207/REB 92-04 PC **A02**/MF **A01**

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Sulfur Dynamics of Forest Ecosystems.
PB92-153048/REB 92-01 PC **A04**/MF **A01**

Nutrient Leaching from Conifer Needles in Relation to Foliar Apoplast Cation Exchange Capacity.
PB92-153378/REB 92-01 PC **A02**/MF **A01**

Leaf Photosynthetic and Water Relations Responses for 'Valencia' Orange Trees Exposed to Oxidant Air Pollution.
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Pollution Impacts at the Stand and Ecosystem Levels.
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Methods of Assessing Responses of Trees, Stands and Ecosystems to Air Pollution (Chapter 7).
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Review of the National Ambient Air Quality Standards for Ozone Assessment of Scientific and Technical Information. OAQPS Staff Paper.
PB92-190446/REB 92-01 PC **A17**/MF **A03**

Western Forests and Air Pollution.
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Climate Change in Thailand and Its Potential Impact on Rice Yield.
PB92-232883/REB 92-04 PC **A03**/MF **A01**

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PB92-235670/REB 92-04 PC **A05**/MF **A02**

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Regional Fine Particle Field Study: Data Base and Initial Results.
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Urban Air Toxics Monitoring Program Carbonyl Results, 1990.
PB92-110030/REB 92-01 PC **A07**/MF **A02**

Status and Needs for Toxic Emission Inventories for Regional Dispersion and Deposition Modeling.
PB92-110394/REB 92-01 PC **A03**/MF **A01**

Field Performance of Woodburning Stoves in Crested Butte, Colorado.
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U.S. Standards for Air Sampling of Environmental Contaminants: Current Basis and Future Options.
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Source Reconciliation of Ambient Volatile Organic Compounds Measured in the Atlanta 1990 Summer Study: The Mobile Source Component.
PB92-124130/REB 92-01 PC **A03**/MF **A01**

Characterization of the Wintertime Boise, Idaho, Air Shed: A Comprehensive Field Study Report for the U.S. EPA Office of Air Quality Planning and Standards.
PB92-136803/REB 92-01 PC **A04**/MF **A01**

Time Spent in Activities, Locations, and Microenvironments: A California-National Comparison.
PB92-140789/REB 92-01 PC **A05**/MF **A01**

Enhanced Ozone Monitoring Network Design and Siting Criteria Guidance Document.
PB92-145390/REB 92-01 PC **A04**/MF **A01**

Monitoring and Research Strategy for Forests-Environmental Monitoring and Assessment Program.
PB92-146208/REB 92-01 PC **A09**/MF **A02**

Evaluation of RADM Predictions for a Mesoscale-beta Box Volume over Northeastern Pennsylvania.
PB92-158492/REB 92-01 PC **A02**/MF **A01**

Evaluation of the Fourier Transform Infrared Spectrometer for Particle-Associated Ammonium Sulfate Determination.
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PB92-164979/REB 92-01 PC **A03**/MF **A01**

Personnel Protection through Reconnaissance Robotics at Superfund Remedial Sites.
PB92-166743/REB 92-01 PC **A02**/MF **A01**

14C Source Apportionment Technique Applied to Wintertime Urban Aerosols and Gases for the EPA Integrated Air Cancer Project.
PB92-171370 92-01 Not available NTIS

Air Quality Atlas.
PB92-190248/REB 92-01 PC **A03**/MF **A01**

Meteorological and Site Influences Affecting the Comparison of Nephelometer and Photographic Determinations of Light Extinction at Rural Sites in the Eastern United States.
PB92-195999/REB 92-01 PC **A03**/MF **A01**

Sampling Polycyclic Aromatic Hydrocarbons and Related Semivolatile Organic Compounds in Indoor Air.
PB92-198274/REB 92-04 PC **A03**/MF **A01**

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PB92-206432/REB 92-04 PC **A03**/MF **A01**

Summary Report for the National Atmospheric Deposition Program/National Trends Network (NADP/NTN) Site Visitation Program for the Period October 1989 through September 1990.
PB92-217298/REB 92-04 PC **A05**/MF **A01**

Tests of Indoor Air Quality Sinks.
PB92-218346/REB 92-04 PC **A15**/MF **A03**

Atlanta Ozone Precursor Monitoring Study Data Report.
PB92-220656/REB 92-04 PC **A08**/MF **A02**

Staten Island/New Jersey Urban Air Toxics Assessment Project. Quarterly and Summary Data (for Microcomputers). October 1987-March 1991.
PB92-504174/REB 92-04 CP **D02**

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Performance of Automated Ambient SO2 Analyzers with Respect to a Proposed 5-Minute Ambient Air Quality Standard.
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Technical Assistance Document: Performance Audit Procedures for Opacity Monitors.
PB92-192889/REB 92-01 PC **A12**/MF **A03**

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PB92-106921/REB 92-01 PC **A08**/MF **A02**

Screening Methods for the Development of Air Toxics Emission Factors.
PB92-108778/REB 92-01 PC **A20**/MF **A04**

Summary of the 1991 EPA/AWMA International Symposium: Measurement of Toxic and Related Air Pollutants. Held in Durham, North Carolina on May 6-10, 1991.
PB92-110386/REB 92-01 PC **A03**/MF **A01**

Carpet Policy Dialogue. Compendium Report, September 27, 1991.
PB92-115005/REB 92-01 PC **A99**/MF **A06**

Evaluation of VOC Emissions from Heated Roofing Asphalt.
PB92-115286/REB 92-01 PC **A04**/MF **A01**

Technical Assistance Document for Sampling and Analysis of Ozone Precursors.
PB92-122795/REB 92-01 PC **A09**/MF **A02**

Superfund Innovative Technology Evaluation: The Delaware SITE Study, 1989.
PB92-125749/REB 92-01 PC **A08**/MF **A02**

Measurement and Prediction of the Resistivity of Ash/Sorbent Mixtures Produced by Sulfur Oxide Control Processes.
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PB92-136852/REB 92-01 PC **A03**/MF **A01**

Greenhouse Gases from Small-Scale Combustion in Developing Countries: A Pilot Study in Manila.
PB92-139369/REB 92-01 PC **A04**/MF **A01**

Seasonal and Annual Biogenic Emission Inventories for the U.S. and Canada.
PB92-139427/REB 92-01 PC **A03**/MF **A01**

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PB92-143700/REB 92-01 PC **A99**/MF **A06**

Experimental Investigation of PIC Formation in CFC Incineration.
PB92-150432/REB 92-01 PC **A02**/MF **A01**

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PB92-151554/REB 92-01 PC **A04**/MF **A01**

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PB92-151562/REB 92-01 PC **A05**/MF **A01**

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Pilot-Scale Evaluation of the Thermal Stability POHC Incinerability Ranking.
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Air/Superfund National Technical Guidance Study Series. Guideline for Predictive Baseline Emissions Estimation Procedures for Superfund Sites.
PB92-171909/REB 92-01 PC **A03**/MF **A01**

Air Superfund National Technical Guidance Study Series. Screening Procedures for Estimating the Air Impacts of Incineration at Superfund Sites.
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Oil and Gas Field Emissions Survey.
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Evaluation of High Volume Particle Sampling and Sample Handling Protocols for Ambient Urban Air Mutagenicity Determinations.
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Acid Aerosol Measurement Intercomparison Workshop. Held in Research Triangle Park, North Carolina on April 10-11, 1991.
PB92-191097/REB 92-01 PC **A15**/MF **A03**

Acid Aerosol Measurement Methods: Studies of Extraction and Analytical Effects.
PB92-191154/REB 92-01 PC **A02**/MF **A01**

Spatial and Temporal Analysis of Non-Urban Ozone Concentrations over the Eastern United States Using Rotated Principal Component Analysis.
PB92-192152/REB 92-01 PC **A02**/MF **A01**

Quality Assurance Support for the National Atmospheric Deposition Program and National Trends Network Monitoring Activities. Fourth Progress Report, 1990-1991.
PB92-194000/REB 92-01 PC **A06**/MF **A02**

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PB92-206606/REB 92-04 PC **A03**/MF **A01**

Recommended Operating Procedure Number 56: Collection of Gaseous Grab Samples from Combustion Sources for Nitrous Oxide Measurement.
PB92-216928/REB 92-04 PC **A03**/MF **A01**

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PB92-219823/REB 92-04 PC **A06**/MF **A02**

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Effects of RVP on Emissions at 20F Ambient Temperature.
PB92-143684/REB 92-01 PC **A03**/MF **A01**

NATICH Data Base Report on State, Local and EPA Air Toxics Activities, September 1991.
PB92-143700/REB 92-01 PC **A99**/MF **A06**

Science Policy Interface (Chapter 12).
PB92-143841/REB 92-01 PC **A03**/MF **A01**

VMT Forecasting and Tracking Guidance, Section 187.
PB92-164961/REB 92-01 PC **A03**/MF **A01**

Procedures for Establishing Emissions for Early Reduction Compliance Extensions. Volume 1. Synthetic Organic Chemical Manufacturing, Ethylene Oxide Sterilization, and Chromium Electroplating.
PB92-176221/REB 92-01 PC **A05**/MF **A01**

Questions and Answers about the Early Reductions Program.
PB92-180124/REB 92-01 PC **A04**/MF **A01**

Enabling Document for Regulations Governing Compliance Extensions for Early Reductions of Hazardous Air Pollutants.
PB92-180132/REB 92-01 PC **A07**/MF **A02**

Transportation and Air Quality Planning Guidelines, 1992.
PB92-201458/REB 92-04 PC **A10**/MF **A03**

Production of Acetal, Amino, and Phenolic Resins.
PB92-213263/REB 92-04 PC **A08**/MF **A02**

Quality Review Guidelines for 1990 Base Year Emission Inventories.
PB92-224435/REB 92-04 PC **A12**/MF **A03**

AIR QUALITY

National Air Toxics Information Clearinghouse: Bibliography of Selected Reports and Federal Register Notices Related to Air Toxics. Volume 5. Citations, 1991.
PB92-111830/REB 92-01 PC **A10**/MF **A03**

National Air Toxics Information Clearinghouse: Ongoing Research and Regulatory Development Projects.
PB92-111905/REB 92-01 PC **A10**/MF **A03**

National Air Toxics Information Clearinghouse: Bibliography of Selected Reports and Federal Register Notices Related to Air Toxics. Index, 1991.
PB92-111913/REB 92-01 PC **A21**/MF **A04**

Regional Air Quality and Acid Deposition Modeling and the Role for Visualization.
PB92-124247/REB 92-01 PC **A03**/MF **A01**

Characterization of the Wintertime Boise, Idaho, Air Shed: A Comprehensive Field Study Report for the U.S. EPA Office of Air Quality Planning and Standards.
PB92-136803/REB 92-01 PC **A04**/MF **A01**

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PB92-158468/REB 92-01 PC **A04**/MF **A01**

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Air Quality Criteria for Oxides of Nitrogen. Volume 2.
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PB92-186451/REB 92-01 PC **A03**/MF **A01**

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PB92-179845/REB 92-01 PC **A02**/MF **A01**

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CERCLIS Characterization Project: Region 10 Results.
PB92-963325/REB 92-01 PC **A05**/MF **A01**

ECO Update. Volume 1, Number 5, August 1992. Briefing the BTAG: Initial Description of Setting, History, and Ecology of a Site.
PB92-963374/REB 92-04 PC **A03**/MF **A01**

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ASTER: An Integration of the ACQUIRE Data Base and the QSAR System for Use in Ecological Risk Assessments.
PB92-198217/REB 92-04 PC **A02**/MF **A01**

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Effects of Fenvalerate on the Early Life Stages of Topsmelt ('Atherinops affinis').
PB92-195684/REB 92-04 PC **A02**/MF **A01**

Laboratory Spawning of Topsmelt, 'Atherinops affinis', with Notes on Culture and Growth of Larvae.
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Superfund Record of Decision (EPA Region 2): Garden State Cleaners, Buena Borough, Atlantic County, NJ. (First Remedial Action), September 1991.
PB92-963834/REB 92-04 PC **A04**/MF **A01**

ATMOSPHERIC BOUNDARY LAYER

Use of Four-Dimensional Data Assimilation in a Limited-Area Mesoscale Model Part 2: Effects of Data Assimilation within the Planetary Boundary Layer.
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Regional Oxidant Model (ROM) User's Guide. Part 4: The ROM System User Tutorial (Processor Network and Core Model).
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Tropospheric Nitrogen: The Influence of Anthropogenic Sources on Distribution and Deposition.
PB92-126937/REB 92-01 PC **A06**/MF **A02**

Estimating Natural Emissions for EPA's Regional Oxidant Model.
PB92-129592/REB 92-01 PC **A03**/MF **A01**

Statistical Methodology for Exploring Elevational Differences in Precipitation Chemistry.
PB92-144088/REB 92-01 PC **A03**/MF **A01**

User's Guide for the Urban Airshed Model. Volume 6. User's Manual for the Postprocessing System.
PB92-145382/REB 92-01 PC **A06**/MF **A02**

Determination of Rates of Reaction in the Gas-Phase in the Troposphere. Theory and Practice. 3. Rate of Indirect Photoreaction.
PB92-150374/REB 92-01 PC **A11**/MF **A03**

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PB92-150382/REB 92-01 PC **A05**/MF **A01**

Stability of Tropospheric OH during Ice Ages, Inter-Glacial Epochs and Modern Times.
PB92-166669/REB 92-01 PC **A02**/MF **A01**

User's Guide for the Urban Airshed Model. Volume 7. User's Manual for the Performance Evaluation System.
PB92-224849/REB 92-04 PC **A07**/MF **A02**

Regional Oxidant Model (ROM), (Source Code Only) (Version 2.1).
PB92-500842/REB 92-01 MagTape$1500.00

Regional Oxidant Model (ROM), Source Code and Test Data (Version 2.1).
PB92-500859/REB 92-01 MagTape$4000.00

ATMOSPHERIC CIRCULATION

Hierarchical Stochastic Model of Large-Scale Atmospheric Circulation Patterns and Multiple Station Daily Precipitation.
PB92-217421/REB 92-04 PC **A03**

Fiscal Year 1991 Summary Report of NOAA Atmospheric Sciences Modeling Division Support to the U.S. Environmental Protection Agency.
PB92-217835/REB 92-04 PC **A05**/MF **A01**

ATMOSPHERIC COMPOSITION

Annular Denuders for Use in Global Climate and Stratospheric Measurements of Acidic Gases and Particles (Abstract Only).
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Estimating Agriculture's Net Contribution to Atmospheric Carbon.
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Guideline for Regulatory Application of the Urban Airshed Model.
PB92-108760/REB 92-01 PC **A05**/MF **A01**

Performances of Lagrangian and Eulerian Transport and Diffusion Models across Continental Scales.
PB92-158500/REB 92-01 PC **A02**/MF **A01**

Tiered Modeling Approach for Assessing the Risks Due to Sources of Hazardous Air Pollutants.
PB92-164748/REB 92-01 PC **A03**/MF **A01**

Concentrations from Above-Roof Releases of Laboratory Exhausts: A Wind Tunnel Study.
PB92-164821/REB 92-01 PC **A03**/MF **A01**

Interagency Workgroup on Air Quality Modeling (IWAQM) Work Plan Rationale.
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PB92-108786/REB 92-01 PC **A15**/MF **A03**

Regional Ozone Modeling for Northeast Transport (ROMNET). Appendices.
PB92-108794/REB 92-01 PC **A15**/MF **A03**

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Performances of Lagrangian and Eulerian Transport and Diffusion Models across Continental Scales.
PB92-158500/REB 92-01 PC **A02**/MF **A01**

Hierarchical Stochastic Model of Large-Scale Atmospheric Circulation Patterns and Multiple Station Daily Precipitation.
PB92-217421/REB 92-04 PC **A03**

Fiscal Year 1991 Summary Report of NOAA Atmospheric Sciences Modeling Division Support to the U.S. Environmental Protection Agency.
PB92-217835/REB 92-04 PC **A05**/MF **A01**

AUDIO-VISUAL

America's Ecological Report Card: Environmental Monitoring and Assessment Program (EMAP) (Video).
PB92-780865/REB 92-04 AV**$35.00**

AUDIOMETRY

Auditory Deficits and Motor Dysfunction Following Iminodipropionitrile Administration in the Rat.
PB92-143890/REB 92-01 PC **A02**/MF **A01**

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Serial Spatial Reversal Learning in Rats: Comparison of Instrumental and Automaintenance Procedures.
PB92-143940/REB 92-01 PC **A02**/MF **A01**

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PB92-104397/REB 92-01 PC **A03**/MF **A01**

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PB92-104405/REB 92-01 PC **A03**/MF **A01**

Recommended I/M Short Test Procedures for the 1990's: Six Alternatives.
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I/M Network Type: Effects on Emission Reductions, Cost, and Convenience. Technical Information Document.
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Integrating On-Board Diagnostic System Capabilities into the Inspection and Repair Functions of I/M Programs.
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PB92-198241/REB 92-04 PC **A03**/MF **A01**

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Structural Characterization of Sulfonated Azo Dyes Using Liquid Secondary Ion Mass Spectrometry/Tandem Mass Spectrometry.
PB92-188861/REB 92-01 PC **A03**/MF **A01**

Approach to the Design of Nonmutagenic Azo Dyes: Analogues of the Mutagen 4-Amino-3-Methoxyazobenzene (Chapter 4).
PB92-206556/REB 92-04 PC **A03**/MF **A01**

BACILLUS
Fate of 'Bacillus sphaericus' 2362 Spores Following Ingestion by Nontarget Invertebrates.
PB92-129774/REB 92-01 PC **A03**/MF **A01**

BACILLUS SUBTILIS GBO3
Pesticide Fact Sheet Number 235: 'Bacillus subtilis' GB03.
PB92-238484/REB 92-04 PC **A02**/MF **A01**

BACILLUS THURINGIENSIS
Vertebrate Toxicology of the Solubilized Parasporal Crystalline Proteins of 'Bacillus thuringiensis' Subsp. 'israelensis'.
PB92-150507/REB 92-01 PC **A03**/MF **A01**

BACTERIA
Nutritional Role of Endosymbiotic Bacteria in Animal-Bacteria Symbioses: 'Solemya velum', a Case Study.
PB92-112895/REB 92-01 PC **A17**/MF **A04**

Status Report on Planktonic Cyanobacteria (Blue-Green Algae) and Their Toxins.
PB92-206259/REB 92-04 PC **A07**/MF **A02**

BACTERIAL GENES
Relationships of Hg(II) Volatilization from a Freshwater Pond to the Abundance of 'mer' Genes in the Gene Pool of the Indigenous Microbial Community.
PB92-129675/REB 92-01 PC **A03**/MF **A01**

Hydrogenase-Linked Gene in 'Methanobacterium thermoautotrophicum' Strain DeltaH Encodes a Polyferredoxin.
PB92-206234/REB 92-04 PC **A02**/MF **A01**

BACTERIAL PROTEINS
Vertebrate Toxicology of the Solubilized Parasporal Crystalline Proteins of 'Bacillus thuringiensis' Subsp. 'israelensis'.
PB92-150507/REB 92-01 PC **A03**/MF **A01**

BACTERIAL SPORES
Fate of 'Bacillus sphaericus' 2362 Spores Following Ingestion by Nontarget Invertebrates.
PB92-129774/REB 92-01 PC **A03**/MF **A01**

BACULOVIRIDAE
Selection Kinetics during Serial Cell Culture Passage of Mixtures of Wild-Type 'Autographa californica' Nuclear Polyhedrosis Virus and Its Recombinant Ac360-Beta-gal.
PB92-143874/REB 92-01 PC **A02**/MF **A01**

Generation of Recombinant Baculovirus via Liposome-Mediated Transfection.
PB92-143973/REB 92-01 PC **A01**/MF **A01**

BAKER COUNTY (GEORGIA)
Protecting Endangered Species: Interim Measures, Baker County, Georgia.
PB92-232404/REB 92-04 PC **A01**/MF **A01**

BASE REALIGNMENT AND CLOSURE ACTS
Base Realignment and Closure 'How-to' Manual for Compliance with the National Environment Policy Act.
PB92-146281/REB 92-01 PC **A15**/MF **A03**

BASE SEQUENCE
Improved Sample Recovery in Thermocycle Sequencing Protocols.
PB92-124593/REB 92-01 PC **A01**/MF **A01**

BASELINE MEASUREMENTS
Forest Health Monitoring, New England, 1990. Annual Report.
PB92-113018/REB 92-01 PC **A07**/MF **A02**

BASEMENTS
Natural Basement Ventilation as a Radon Mitigation Technique.
PB92-166958/REB 92-01 PC **A03**/MF **A01**

BASINS (GEOGRAPHIC)
Dealing with Toxic Polluted Sediments in the Great Lakes Basin.
AD-P006 908/8/REB 92-04 PC **A03**/MF **A01**

BASS
Chesapeake Bay Striped Bass Fishery Management Plan: Chesapeake Bay Program. Annual Progress Report from the Chesapeake Executive Council.
PB92-186428/REB 92-01 PC **A03**/MF **A01**

Osmoregulatory Failure and Death of First-Year Largemouth Bass 'Micropterus salmoides' Exposed to Low pH and Elevated Aluminum, at Low Temperatures in Soft Water.
PB92-205236/REB 92-04 PC **A03**/MF **A01**

BEARINGS
Waste Minimization Assessment for a Manufacturer of Refurbished Railcar Bearing Assemblies.
PB92-104348/REB 92-01 PC **A01**/MF **A01**

BEETLES
Protocol for Testing the Effects of Fungal Pesticides on Nontarget Beetles Using 'Hippodamia convergens' (Coleoptera: Coccinellidae).
PB92-217488/REB 92-04 PC **A03**/MF **A01**

BEHAVIOR
Neurobehavioral Toxicology. Chapter 2.
PB92-166347/REB 92-01 PC **A03**/MF **A01**

Applications of a Neurobehavioral Screening Battery.
PB92-179787/REB 92-01 PC **A03**/MF **A01**

Exposure of Humans to a Volatile Organic Mixture. 1. Behavioral Assessment.
PB92-189018/REB 92-01 PC **A02**/MF **A01**

Experimental Design and Instrumentation for a Field Experiment.
PB92-217454/REB 92-04 PC **A05**/MF **A01**

Letters to the Editor.
PB92-227560/REB 92-04 PC **A01**/MF **A01**

BELMONT COUNTY (OHIO)
Superfund Record of Decision (EPA Region 5): Buckeye Reclamation Landfill Site, Belmont County, OH. (First Remedial Action), August 1991.
PB92-964123/REB 92-04 PC **A06**/MF **A02**

BEN MODEL
BEN: A Model to Calculate the Economic Benefit of Noncompliance. User's Manual.
PB92-230358/REB 92-04 PC **A08**/MF **A02**

BENEFIT COST ANALYSIS
BEN: A Model to Calculate the Economic Benefit of Noncompliance. User's Manual.
PB92-230358/REB 92-04 PC **A08**/MF **A02**

BENOMYL
Fungicide Benomyl(Methyl 1-(Butylcarbamoyl)-2-Benzimidazolecarbamate) Causes Testicular Dysfunction by Inducing the Sloughing of Germ Cells and Occlusion of Efferent Ductules.
PB92-150796/REB 92-01 PC **A03**/MF **A01**

BENSULFURON METHYL
Pesticide Fact Sheet Number 226: Bensulfuron Methyl.
PB92-104389/REB 92-01 PC **A02**/MF **A01**

BENZENE/DICHLORO
Tests of Indoor Air Quality Sinks.
PB92-218346/REB 92-04 PC **A15**/MF **A03**

BENZENE/HEXACHLORO
Drinking Water Criteria Document for Hexachlorobenzene.
PB92-173400/REB 92-01 PC **A10**/MF **A03**

BENZENE/TRICHLORO
Drinking Water Criteria Document for Trichlorobenzenes.
PB92-173491/REB 92-01 PC **A05**/MF **A01**

BENZO (A)PYRENE
DNA Adducts in Rat Lung, Liver and Peripheral Blood Lymphocytes Produces by i.p. Administration of Benzo(a)Pyrene Metabolites and Derivatives.
PB92-124627/REB 92-01 PC **A01**/MF **A01**

Potential of Carp to Bioactivate Benzo(a)pyrene to Metabolites That Bind to DNA.
PB92-189034/REB 92-01 PC **A02**/MF **A01**

Metabolism of Benzo(a)Pyrene and Persistence of DNA Adducts in the Brown Bullhead 'Ictalurus nebulosus'.
PB92-189067/REB 92-01 PC **A02**/MF **A01**

BENZO (A)PYRENE/DIFLUORO
Synthesis of a Novel Fluorinated Benzo(a)pyrene: 4,5-Difluorobenzo(a)pyrene.
PB92-110493/REB 92-01 PC **A02**/MF **A01**

BERILLIUM
Environmental Profiles and Hazard Indices for Constituents of Municipal Sludge: Beryllium.
PB92-122993/REB 92-01 PC **A03**/MF **A01**

BERKS COUNTY (PENNSYLVANIA)
Superfund Record of Decision (EPA Region 3): Cryo-Chem Site, Earl Township, Berks County, PA. (Third Remedial Action), September 1991.
PB92-963908/REB 92-01 PC **A05**/MF **A01**

BERYLLIUM
Drinking Water Health Advisory for Beryllium.
PB92-135441/REB 92-01 PC **A03**/MF **A01**

Drinking Water Criteria Document for Beryllium.
PB92-173301/REB 92-01 PC **A08**/MF **A02**

Application of Modified Aluminon and GFAAS Methods to Beryllium Determination in Drinking Water.
PB92-180199/REB 92-01 PC **A02**/MF **A01**

BERYLLIUM COMPOUNDS
Drinking Water Health Advisory for Beryllium.
PB92-135441/REB 92-01 PC **A03**/MF **A01**

BEST TECHNOLOGY
RACT/BACT/LAER Clearinghouse: A Compilation of Control Technology Determinations. Second Supplement to the 1990 Edition.
PB92-235647/REB 92-04 PC **A20**/MF **A04**

BIBLIOGRAPHIES
EPA Publications Bibliography 1984-1990. Part 1. Report Summaries. Part 2. Indexes.
PB91-205500/REB 92-01 PC**$200.00**

National Air Toxics Information Clearinghouse: Bibliography of Selected Reports and Federal Register Notices Related to Air Toxics. Volume 5. Citations, 1991.
PB92-111830/REB 92-01 PC **A10**/MF **A03**

National Air Toxics Information Clearinghouse: Ongoing Research and Regulatory Development Projects.
PB92-111905/REB 92-01 PC **A10**/MF **A03**

National Air Toxics Information Clearinghouse: Bibliography of Selected Reports and Federal Register Notices Related to Air Toxics. Index, 1991.
PB92-111913/REB 92-01 PC **A21**/MF **A04**

Risk Assessment, Management, Communication: A Guide to Selected Sources. Volume 4, Number 1.
PB92-114412/REB 92-01 PC **A07**/MF **A02**

Storm and Combined Sewer Pollution Control: A Compilation of Significant References.
PB92-114560/REB 92-01 PC **A03**/MF **A01**

EPA Journal Holdings Report, 1991.
PB92-132810/REB 92-01 PC **A12**/MF **A03**

Practical Directory to Phycovirus Literature.
PB92-132893/REB 92-01 PC **A03**/MF **A01**

Protection of Tomatoes, Egg Plants, and Peppers: 1979-April 1991. Citations from AGRICOLA Concerning Diseases and Other Environmental Considerations.
PB92-140201/REB 92-01 PC **A11**/MF **A03**

Protection of Nut Crops, 1979-April 1991. Citations from AGRICOLA Concerning Diseases and Other Environmental Considerations.
PB92-140219/REB 92-01 PC **A12**/MF **A03**

Protection of Stored Grains, 1979-April 1991. Citations from AGRICOLA Concerning Diseases and Other Environmental Considerations.
PB92-140243/REB 92-01 PC **A11**/MF **A03**

EPA Journal Holdings Report, 1992.
PB92-217728/REB 92-04 PC **A12**/MF **A03**

Office of Wetlands, Oceans and Watersheds Publications.
PB92-224310/REB 92-04 PC **A03**/MF **A01**

Bibliography of Materials on the Emergency Planning and Community Right-to-Know Act (Title III of SARA).
PB92-224823/REB 92-04 PC **A03**/MF **A01**

Risk Assessment, Management, Communication: A Guide to Selected Sources Volume 4, Number 2.
PB92-238518/REB 92-04 PC **A09**/MF **A02**

Pesticide Applicator Training Materials: A Bibliography.
PB92-780873/REB 92-01 PC**$97.50**/MF**$42.50**

EPA (Environmental Protection Agency) Publications Bibliography, Quarterly Abstract Bulletin.
PB92-904200/REB 92-01 Subscription

BILE

Disposition of 2,3,7,8-Tetrabromodibenzo-p-Dioxin and 2,3,7,8-Tetrachlorodibenzo-p-dioxin in the Rat: Biliary Excretion and Induction of Cytochromes CYP1A1 and CYP1A2.
PB92-150747/REB 92-01 PC **A03**/MF **A01**

BIOACCUMULATION

Computerized Risk and Bioaccumulation System (Version 1.0).
PB92-114164/REB 92-01 PC **A03**/MF **A01**

Evaluation of Selected Lipid Methods for Normalizing Pollutant Bioaccumulation.
PB92-124379/REB 92-01 PC **A02**/MF **A01**

Higher Plant Accumulation of Organic Pollutants from Soils.
PB92-209378/REB 92-04 PC **A07**/MF **A02**

BIOASSAY

Methods for Aquatic Toxicity Identification Evaluations. Phase 1 Toxicity Characterization Procedures. Second Edition.
PB92-100072/REB 92-01 PC **A05**/MF **A01**

Toxicological Implementations of Remediating Hazardous Wastes.
PB92-124171/REB 92-01 PC **A03**/MF **A01**

Fractionation of Complex Combustion Mixtures Using an Ion-Exchange Methodology.
PB92-126887/REB 92-01 PC **A02**/MF **A01**

Chemical Contamination of Harbor Seal Pups in Puget Sound. Puget Sound Estuary Program.
PB92-132778/REB 92-01 PC **A06**/MF **A02**

Dioxin and Furan Concentrations in Puget Sound Crabs. Puget Sound Estuary Program.
PB92-132786/REB 92-01 PC **A05**/MF **A01**

Standard Reference Materials for Chemical and Biological Studies of Complex Environmental Samples.
PB92-150705/REB 92-01 PC **A03**/MF **A01**

Full-Scale Laboratory Simulation Facility to Test Particulate and Organic Emissions from a Third World Residential Combustion Process. 1. Facility Description and Results of Tests of Three Rural China Residential Coals, a U.S. Coal, and Wood.
PB92-206598/REB 92-04 PC **A03**/MF **A01**

Application of Tradescantia Micronucleus Assay for In situ Evaluation of Potential Genetic Hazards from Exposure to Chemicals at a Wood-Preserving Site.
PB92-217231/REB 92-04 PC **A02**/MF **A01**

BIOCHEMISTRY

Synthesis of a Novel Fluorinated Benzo(a)pyrene: 4,5-Difluorobenzo(a)pyrene.
PB92-110493/REB 92-01 PC **A02**/MF **A01**

Clinical Biochemistry.
PB92-188762/REB 92-01 PC **A03**/MF **A01**

Predictive Assay for Rodent Carcinogenicity Using In vivo Biochemical Parameters: Operational Characteristics and Complementarity.
PB92-206390/REB 92-04 PC **A03**/MF **A01**

BIOCIDES

Treating Soil Solution Samplers to Prevent Microbial Removal of Analytes.
PB92-166610/REB 92-01 PC **A02**/MF **A01**

BIOCONVERSION

Predicting Chemical Concentration Effects on Transformation Rates of Dissolved Organics by Complex Microbial Assemblages.
PB92-101393/REB 92-01 PC **A03**/MF **A01**

Biotransformation of CIS-1,2-Dichloroethylene in Aquifer Material from Picatinny Arsenal, Morris County, New Jersey.
PB92-179100/REB 92-01 PC **A03**/MF **A01**

Abiotic Transformation of Carbon Tetrachloride in the Presence of Sulfide and Mineral Surfaces.
PB92-179738/REB 92-01 PC **A02**/MF **A01**

BIODEGRADATION

Optimizing BTEX Biodegradation under Denitrifying Conditions.
PB92-124262/REB 92-01 PC **A03**/MF **A01**

Control of Aromatic Waste Air Streams by Soil Bioreactors.
PB92-144021/REB 92-01 PC **A02**/MF **A01**

Column Studies on BTEX Biodegradation under Microaerophilic and Denitrifying Conditions.
PB92-179050/REB 92-01 PC **A03**/MF **A01**

Biotransformation of CIS-1,2-Dichloroethylene in Aquifer Material from Picatinny Arsenal, Morris County, New Jersey.
PB92-179100/REB 92-01 PC **A03**/MF **A01**

Development of Predictive Structure-Biodegradation Relationship Models with the Use of Respirometrically Generated Biokinetic Data.
PB92-191196/REB 92-01 PC **A03**/MF **A01**

BIODETERIORATION

Quantitative Assessment of the Effects of Metals on Microbial Degradation of Organic Chemicals.
PB92-101385/REB 92-01 PC **A02**/MF **A01**

Regiospecific Dechlorination of Pentachlorophenol by Dichlorophenol-Adapted Microorganisms in Freshwater, Anaerobic Sediment Slurries.
PB92-101674/REB 92-01 PC **A03**/MF **A01**

Guide for Conducting Treatability Studies under CERCLA: Aerobic Biodegradation Remedy Screening. Interim Guidance.
PB92-109065/REB 92-01 PC **A03**/MF **A01**

Guide for Conducting Treatability Studies under CERCLA: Aerobic Biodegradation Remedy Screening.
PB92-109073/REB 92-01 PC **A02**/MF **A01**

Effect of Nitrate Addition on Biorestoration of Fuel-Contaminated Aquifer: Field Demonstration.
PB92-110444/REB 92-01 PC **A03**/MF **A01**

Reduction of Hexachloroethane and Carbon Tetrachloride at Surfaces of Biotite, Vermiculite, Pyrite, and Marcasite.
PB92-113141/REB 92-01 PC **A03**/MF **A01**

Dechlorinations of Polychlorinated Biphenyls in Sediments of New Bedford Harbor.
PB92-121151/REB 92-01 PC **A03**/MF **A01**

Laboratory and Field Studies on BTEX Biodegradation in a Fuel-Contaminated Aquifer under Denitrifying Conditions.
PB92-121227/REB 92-01 PC **A03**/MF **A01**

Hydraulic Fracturing to Improve Nutrient and Oxygen Delivery for In situ Bioreclamation.
PB92-121334/REB 92-01 PC **A03**/MF **A01**

Bioventing to Treat Fuel Spills from Underground Storage Tanks.
PB92-121342/REB 92-01 PC **A02**/MF **A01**

Biodegradation of Creosote and Pentachlorophenol in Contaminated Groundwater: Chemical and Biological Assessment.
PB92-129659/REB 92-01 PC **A03**/MF **A01**

Performance Characterization of a Model Bioreactor for the Biodegradation of Trichloroethylene by 'Pseudomonas cepacia' G4.
PB92-129717/REB 92-01 PC **A02**/MF **A01**

Biotransformation of Monoaromatic and Chlorinated Hydrocarbons at an Aviation Gasoline Spill Site.
PB92-144005/REB 92-01 PC **A03**/MF **A01**

Methodologies for Evaluating In situ Bioremediation of Chlorinated Solvents.
PB92-146943/REB 92-01 PC **A05**/MF **A02**

Equilibrium-Analysis of Projected Climate Change Effects on the Global Soil Organic Matter Pool.
PB92-153022/REB 92-01 PC **A03**/MF **A01**

Development of Predictive Structure-Biodegradation Relationship Models with the Use of Respirometrically Generated Biokinetic Data.
PB92-191196/REB 92-01 PC **A03**/MF **A01**

Hazardous Waste Degradation by Wood Degrading Fungi.
PB92-217082/REB 92-04 PC **A03**/MF **A01**

Respirometric Methods for Determination of Biodegradability and Biodegradation Kinetics for Hazardous Organic Pollutant Compounds.
PB92-217108/REB 92-04 PC **A03**/MF **A01**

Guide for Conducting Treatability Studies under CERCLA: Aerobic Biodegradation Remedy Screening. Quick Reference Fact Sheet.
PB92-224377/REB 92-04 PC **A02**/MF **A01**

BIODIVERSITY

Indicators for Monitoring Biodiversity: A Hierarchical Approach.
PB92-108117/REB 92-01 PC **A03**/MF **A01**

BIOFILMS

Mixed-Species Colonization of Solid Surfaces in Laboratory Biofilms.
PB92-195692/REB 92-01 PC **A03**/MF **A01**

BIOGEOCHEMISTRY

Sulfur Dynamics in Mineral Horizons of Two Northern Hardwood Soils. A Column Study with (35)S.
PB92-139955/REB 92-01 PC **A03**/MF **A01**

Sulfur Dynamics of Forest Ecosystems.
PB92-153048/REB 92-01 PC **A04**/MF **A01**

BIOINDICATORS

Fractionation of Complex Combustion Mixtures Using an Ion-Exchange Methodology.
PB92-126887/REB 92-01 PC **A02**/MF **A01**

BIOLOGICAL AEROSOLS

Evaluation of Sampling Alternatives for Bioaerosols. Phase 2: Viable Microorganism Sampling Efficiency.
PB92-136183/REB 92-01 PC **A06**/MF **A02**

Evaluation of Alternative Samplers for Bioaerosols. Phase 1. Physical Sampling Efficiency.
PB92-161918/REB 92-01 PC **A04**/MF **A01**

BIOLOGICAL AVAILABILITY

Acid-Volatile Sulfide as a Factor Mediating Cadmium and Nickel Bioavailability in Contaminated Sediments.
PB92-124296/REB 92-01 PC **A03**/MF **A01**

Bioavailability to Plants of Sludge-Borne Toxic Organics.
PB92-153931/REB 92-01 PC **A03**/MF **A01**

BIOLOGICAL CRITERIA

Biological Criteria: Guide to Technical Literature.
PB92-231489/REB 92-04 PC **A07**/MF **A02**

Biological Criteria: National Program Guidance for Surface Waters.
PB92-231497/REB 92-04 PC **A04**/MF **A01**

Proceedings of a Symposium: Biological Criteria Research and Regulation. Held in Arlington, Virginia on December 12-13, 1990.
PB92-231505/REB 92-04 PC **A09**/MF **A02**

Biological Criteria: State Development and Implementation Efforts.
PB92-231513/REB 92-04 PC **A03**/MF **A01**

BIOLOGICAL DIVERSITY

Science Policy Interface (Chapter 12).
PB92-143841/REB 92-01 PC **A03**/MF **A01**

Biological Diversity and Biological Integrity: Current Concerns for Lakes and Streams.
PB92-232917/REB 92-04 PC **A03**/MF **A01**

BIOLOGICAL EFFECTS

Technical Basis for Establishing Sediment Quality Criteria for Nonionic Organic Chemicals Using Equilibrium Partitioning. Annual Review.
PB92-129642/REB 92-01 PC **A03**/MF **A01**

Air Pollution Effects on Biodiversity.
PB92-170166/REB 92-01 PC **A15**/MF **A03**

Application of Tradescantia Micronucleus Assay for In situ Evaluation of Potential Genetic Hazards from Exposure to Chemicals at a Wood-Preserving Site.
PB92-217231/REB 92-04 PC **A02**/MF **A01**

Biological Criteria: State Development and Implementation Efforts.
PB92-231513/REB 92-04 PC **A03**/MF **A01**

Health Effects Assessment Summary Tables.
PB92-921100/REB 92-01 Standing Order

BIOLOGICAL INDICATORS

Indicators for Monitoring Biodiversity: A Hierarchical Approach.
PB92-108117/REB 92-01 PC **A03**/MF **A01**

On-Site Methods for Assessing Chemical Impact on the Soil Environment Using Earthworms: A Case Study at the Baird and McGuire Superfund Site, Holbrook, Massachusetts.
PB92-108166/REB 92-01 PC **A03**/MF **A01**

Ecological Indicators. Proceedings of an International Symposium. Held in Fort Lauderdale, Florida on October 16-19, 1990.
PB92-114131/REB 92-01 PC **A99**/MF **E99**

Analysis and Interpretation of Zooplankton Samples Collected during Phase 2 of the Eastern Lake Survey.
PB92-136829/REB 92-01 PC **A14**/MF **A03**

Diatoms: Powerful Indicators of Environmental Change.
PB92-180397/REB 92-01 PC **A03**/MF **A01**

Assessing Trends in Fishery Resources and Lake Water Aluminum from Paleolimnological Analyses of Siliceous Algae.
PB92-180405/REB 92-01 PC **A03**/MF **A01**

Detection and Disinfection of Pathogens in Storm-Generated Flows.
PB92-209311/REB 92-04 PC **A03**/MF **A01**

BIOLOGICAL INDUSTRIAL WASTE TREATMENT
Technology Evaluation Report: Biological Treatment of Wood Preserving Site Groundwater by Biotrol, Inc.
PB92-110048/REB 92-01 PC **A06**/MF **A02**

EPA SITE Demonstration of the BioTrol Soil Washing Process.
PB92-150655/REB 92-01 PC **A03**/MF **A01**

BIOLOGICAL MARKERS
Assessment of Neurotoxicity: Use of Glial Fibrillary Acidic Protein as a Biomarker.
PB92-110527/REB 92-01 PC **A03**/MF **A01**

Protein Adducts for Exposure Monitoring: A Computerized Database. Software and User's Manual.
PB92-155431/REB 92-01 PC **A03**/MF **A01**

Biologic Markers in Pulmonary Toxicology.
PB92-238328/REB 92-04 PC **A09**/MF **A02**

Biologic Markers in Immunotoxicology.
PB92-238351/REB 92-04 PC **A10**/MF **A03**

Protein Adducts for Exposure Monitoring: A Computerized Database (CPAD) (Version 1) (for Microcomputers).
PB92-501873/REB 92-01 CP **D02**

BIOLOGICAL PEST CONTROL
Reregistration Eligibility Document (RED): Heliothis zea NPV (List A, Case Number 151).
PB92-111863/REB 92-01 PC **A03**/MF **A01**

RED Facts: Heliothis zea NPV.
PB92-111871/REB 92-01 PC **A02**/MF **A01**

SELCTV System Manual for SELCTV and REFER Databases and the SELCTV Data Management Program.
PB92-113455/REB 92-01 PC **A04**/MF **A01**

NERISK: An Expert System to Enhance the Integration of Pesticides with Anthropod Biological Control.
PB92-124254/REB 92-01 PC **A02**/MF **A01**

Fate of 'Bacillus sphaericus' 2362 Spores Following Ingestion by Nontarget Invertebrates.
PB92-129774/REB 92-01 PC **A03**/MF **A01**

Vertebrate Toxicology of the Solubilized Parasporal Crystalline Proteins of 'Bacillus thuringiensis' Subsp. 'israelensis'.
PB92-150507/REB 92-01 PC **A03**/MF **A01**

BIOLOGICAL RADIATION EFFECTS
Potential Impacts of Increased Solar UV-B on Global Plant Productivity.
PB92-180223/REB 92-01 PC **A03**/MF **A01**

BIOLOGICAL SURVEYS
Effects of El Nino and La Nina on Seabird Assemblages in the Equatorial Pacific.
PB92-217405/REB 92-04 PC **A03**/MF **A01**

BIOLOGICAL TECHNICAL ASSISTANCE GROUPS
ECO Update: The Role of BTAGs in Ecological Assessment. Volume 1, Number 1, September 1991.
PB92-963337/REB 92-01 PC **A02**/MF **A01**

BIOLOGICAL TREATMENT
Effect of Sodium Chloride on Transport of Bacteria in a Saturated Aquifer Material.
PB92-110428/REB 92-01 PC **A02**/MF **A01**

Effect of Nitrate Addition on Biorestoration of Fuel-Contaminated Aquifer: Field Demonstration.
PB92-110444/REB 92-01 PC **A03**/MF **A01**

Biodegradation of Monoaromatic Hydrocarbons by Aquifer Microorganisms Using Oxygen, Nitrate, or Nitrous Oxide as the Terminal Electron Acceptor.
PB92-110543/REB 92-01 PC **A02**/MF **A01**

BioTrol Soil Washing System for Treatment of a Wood Preserving Site: Applications Analysis Report.
PB92-115245/REB 92-01 PC **A04**/MF **A01**

Technology Evaluation Report: Biotrol Soil Washing System for Treatment of a Wood Preserving Site. Volume 1.
PB92-115310/REB 92-01 PC **A13**/MF **A03**

Technology Evaluation Report: Biotrol Soil Washing System for Treatment of a Wood Preserving Site. Volume 2, Part A.
PB92-115328/REB 92-01 PC **A17**/MF **A04**

Technology Evaluation Report: Biotrol Soil Washing System for Treatment of a Wood Preserving Site. Volume 2, Part B.
PB92-115336/REB 92-01 PC **A15**/MF **A03**

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PB92-121367/REB 92-01 PC **A02**/MF **A01**

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PB92-129659/REB 92-01 PC **A03**/MF **A01**

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PB92-206374/REB 92-04 PC **A02**/MF **A01**

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PB92-217082/REB 92-04 PC **A03**/MF **A01**

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PB92-217108/REB 92-04 PC **A03**/MF **A01**

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PB92-224336/REB 92-04 PC **A03**/MF **A01**

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PB92-224708/REB 92-04 PC **A03**/MF **A01**

Bioremediation in the Field. An Information Update on Applying Bioremediation to Site Clean-Up. Number 3.
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Rotating Biological Contactors. Engineering Bulletin.
PB92-235936/REB 92-04 PC **A02**/MF **A01**

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Bioremediation in the Field: An Information Update on Applying Bioremediation to Site Cleanup. (Number 4).
PB92-224708/REB 92-04 PC **A03**/MF **A01**

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PB92-108125/REB 92-01 PC **A03**/MF **A01**

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PB92-216951/REB 92-04 PC **A07**/MF **A02**

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PB92-232339/REB 92-04 PC **A03**/MF **A01**

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PB92-150655/REB 92-01 PC **A03**/MF **A01**

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Technology Evaluation Report: Biotrol Soil Washing System for Treatment of a Wood Preserving Site. Volume 1.
PB92-115310/REB 92-01 PC **A13**/MF **A03**

Technology Evaluation Report: Biotrol Soil Washing System for Treatment of a Wood Preserving Site. Volume 2, Part A.
PB92-115328/REB 92-01 PC **A17**/MF **A04**

Technology Evaluation Report: Biotrol Soil Washing System for Treatment of a Wood Preserving Site. Volume 2, Part B.
PB92-115336/REB 92-01 PC **A15**/MF **A03**

Technology Demonstration Summary: Bio Trol Soil Washing System for Treatment of a Wood Preserving Site.
PB92-224393/REB 92-04 PC **A02**/MF **A01**

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PB92-186451/REB 92-01 PC **A03**/MF **A01**

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PB92-201136/REB 92-04 PC **A10**/MF **A03**

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Characterization of the Wintertime Boise, Idaho, Air Shed: A Comprehensive Field Study Report for the U.S. EPA Office of Air Quality Planning and Standards.
PB92-136803/REB 92-01 PC **A04**/MF **A01**

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PB92-188937/REB 92-01 PC **A02**/MF **A01**

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PB92-232610/REB 92-04 PC **A01**/MF **A01**

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Superfund Record of Decision (EPA Region 5): Enviro-Chem (Northside Sanitary Landfill), Zionsville, IN. (First Remedial Action), (Amendment), June 1991.
PB92-964116/REB 92-01 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 5): Northside Sanitary Landfill (Enviro-Chem), Zionsville, IN. (First Remedial Action), (Amendment), June 1991.
PB92-964117/REB 92-01 PC **A03**/MF **A01**

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PB92-188937/REB 92-01 PC **A02**/MF **A01**

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Respiratory Syncytial Virus Infection of Human Primary Nasal and Bronchial Epithelial Cell Cultures and Bronchoalveolar Macrophages.
PB92-209352/REB 92-04 PC **A02**/MF **A01**

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PB92-150879/REB 92-01 PC **A03**/MF **A01**

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PB92-963802/REB 92-01 PC **A04**/MF **A01**

BROWN BULLHEAD
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BUILDING CODES
Recommended HVAC Standard of the Florida Radon Research Program.
PB92-147909/REB 92-01 PC **A03**/MF **A01**

BUILDINGS
Proceedings: The 1991 International Symposium on Radon and Radon Reduction Technology. Volume 1. Symposium Oral Papers Opening Session and Technical Sessions 1 through 5.
PB92-115351/REB 92-01 PC **A18**/MF **A04**

Proceedings: The 1991 International Symposium on Radon and Radon Reduction Technology. Volume 2. Symposium Oral Papers Technical Sessions 6 through 10.
PB92-115369/REB 92-01 PC **A19**/MF **A04**

Proceedings: The 1991 International Symposium on Radon and Radon Reduction Technology. Volume 3. Symposium Panel and Poster Papers Technical Sessions 1 through 5.
PB92-115377/REB 92-01 PC **A20**/MF **A04**

Proceedings: The 1991 International Symposium on Radon and Radon Reduction Technology. Volume 4. Symposium Poster Papers Technical Sessions 6 through 10.
PB92-115385/REB 92-01 PC **A13**/MF **A03**

Observations on Studies Useful to Asbestos Operations and Management Activities.
PB92-136860/REB 92-01 PC **A03**/MF **A01**

Co-Existing with Asbestos: A Look at the Engineering Research Program of the U.S. Environmental Protection Agency.
PB92-139419/REB 92-01 PC **A03**/MF **A01**

Data Logging Systems for Monitoring Long-Term Radon Mitigation Experimental Programs in Schools and Other Large Buildings.
PB92-206580/REB 92-04 PC **A03**/MF **A01**

Guidelines for Catastrophic Emergency Situations Involving Asbestos.
PB92-218361/REB 92-04 PC **A04**/MF **A01**

BULLETIN BOARD SYSTEM
U.S. EPA Nonpoint Source Information Exchange Computer Bulletin Board System (BBS). User's Manual.
PB92-228048/REB 92-04 PC **A04**/MF **A01**

BULLITT COUNTY (KENTUCKY)
Superfund Record of Decision (EPA Region 4): Tri-City Industrial Disposal Site, Bullitt County, Brooks, KY. (First Remedial Action), August 1991.
PB92-964004/REB 92-01 PC **A14**/MF **A03**

Superfund Record of Decision (EPA Region 4): Smith's Farm Site (First Operable Unit), Bullitt County, Brooks, KY. (First Remedial Action), (Amendment), September 1991.
PB92-964006/REB 92-01 PC **A10**/MF **A03**

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Protecting Endangered Species: Interim Measures, Burke County, Georgia.
PB92-232685/REB 92-04 PC **A01**/MF **A01**

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ABEL. User's Manual.
PB92-230366/REB 92-04 PC **A08**/MF **A02**

Bioremediation Case Studies: An Analysis of Vendor Supplied Data.
PB92-232339/REB 92-04 PC **A03**/MF **A01**

BUTLER COUNTY (PENNSYLVANIA)
Superfund Record of Decision (EPA Region 3): Hranica Landfill, Buffalo Township, PA. (First Remedial Action), June 1990.
PB91-921566/REB 92-01 PC **A03**/MF **A01**

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Ozonation/Post-Chlorination of Humic Acid: A Model for Predicting Drinking Water Disinfection By-Products.
PB92-180280/REB 92-01 PC **A03**/MF **A01**

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PB92-232958/REB 92-04 PC **A02**/MF **A01**

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PB92-108042/REB 92-01 PC **A03**/MF **A01**

Cadmium: Special Review Document.
PB92-114230/REB 92-01 PC **A01**/MF **A01**

Preliminary Use and Substitutes Analysis of Lead and Cadmium in Products in Municipal Solid Waste.
PB92-162551/REB 92-01 PC **A09**/MF **A02**

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PB92-209329/REB 92-04 PC **A03**/MF **A01**

CALCIUM ARSENATE
Pesticide Fact Sheet Number 111.1: Calcium Arsenate (Tolerance Revocation).
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PB92-231919/REB 92-04 PC **A05**/MF **A01**

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PB92-180116/REB 92-01 PC **A04**/MF **A01**

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Superfund Record of Decision (EPA Region 4): USA Anniston Army Depot, (Groundwater Operable Unit), Calhoun County, Anniston, AL. (First Remedial Action), September 1991.
PB92-964010/REB 92-01 PC **A03**/MF **A01**

CALHOUN COUNTY (MICHIGAN)
Superfund Record of Decision (EPA Region 5): Verona Well Field Site, Battle Creek, MI. (Second Remedial Action), June 1991.
PB92-964110/REB 92-01 PC **A08**/MF **A02**

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PB92-140789/REB 92-01 PC **A05**/MF **A01**

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PB92-174408/REB 92-01 PC **A10**/MF **A03**

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PB92-185842/REB 92-01 PC **A03**/MF **A01**

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PB92-150788/REB 92-01 PC **A03**/MF **A01**

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PB92-147883/REB 92-01 PC **A02**/MF **A01**

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PB92-161926/REB 92-01 PC **A03**/MF **A01**

Estimating Agriculture's Net Contribution to Atmospheric Carbon.
PB92-217165/REB 92-04 PC **A03**/MF **A01**

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14C Source Apportionment Technique Applied to Wintertime Urban Aerosols and Gases for the EPA Integrated Air Cancer Project.
PB92-171370 92-01 Not available NTIS

CARBON CYCLE

Proceedings of the International Workshop on Large-Scale Reforestation. Held in Corvallis, Oregon on May 9-10, 1990.
PB92-109131/REB 92-01 PC **A08**/MF **A02**

Can Intensive Management Increase Carbon Storage in Forests.
PB92-113224/REB 92-01 PC **A02**/MF **A01**

Global Carbon Cycle and Climate Change: Responses and Feedbacks from Below-Ground Systems.
PB92-121359/REB 92-01 PC **A03**/MF **A01**

Stress Interactions and Mycorrhizal Plant Response: Understanding Carbon Allocation Priorities.
PB92-144054/REB 92-01 PC **A03**/MF **A01**

Global Assessment of Promising Forest Management Practices for Sequestration of Carbon.
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PB92-153741/REB 92-01 PC **A03**/MF **A01**

Approach to Assessment of Management Impacts on Agricultural Soil Carbon.
PB92-217173/REB 92-04 PC **A03**/MF **A01**

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PB92-101690/REB 92-01 PC **A03**/MF **A01**

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Slowing the Increase of Atmospheric Carbon Dioxide: A Biological Approach.
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PB92-145424/REB 92-01 PC **A02**/MF **A01**

Technology for Reduction of CO2 Emissions from the Transportation Sector.
PB92-153733/REB 92-01 PC **A03**/MF **A01**

Reregistration Eligibility Document (RED): Carbon and Carbon Dioxide.
PB92-161926/REB 92-01 PC **A03**/MF **A01**

Carbon Storage Potential of Short Rotation Tropical Tree Plantations.
PB92-232891/REB 92-04 PC **A03**/MF **A01**

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What Is the Potential of Forest Management to Slow the Increase of Atmospheric CO2.
PB92-180249/REB 92-01 PC **A03**/MF **A01**

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Alterations in Rat Flash and Pattern Reversal Evoked Potentials after Acute or Repeated Administration of Carbon Disulfide (CS2).
PB92-188929/REB 92-01 PC **A03**/MF **A01**

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PB92-217181/REB 92-04 PC **A03**/MF **A01**

CARBON MONOXIDE

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AD-A252 680/4/REB 92-04 PC **A05**/MF **A01**

Production of Carbon Monoxide by the Homogeneous NOx-Induced Photooxidation of Volatile Organic Compounds in the Troposphere.
PB92-110576/REB 92-01 PC **A03**/MF **A01**

Emission Inventory Requirements for Carbon Monoxide State Implementation Plans, 1991.
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Methods for the Determination of Organic Compounds in Drinking Water. Supplement 2.
PB92-207703/REB 92-04 PC **A12**/MF **A03**

Chemical Dehalogenation Treatability Studies under CERCLA: An Overview.
PB92-231299/REB 92-04 PC **A02**/MF **A01**

Technical Guidance Manual for Performing Waste Load Allocations. Book 4. Lakes, Reservoirs and Impoundments. Chapter 3: Toxic Substances Impact.
PB92-231760/REB 92-04 PC **A14**/MF **A03**

Method 1624: Volatile Organic Compounds by Isotope Dilution GCMS; Method 1625: Semivolatile Organic Compounds by Isotope Dilution GCMS.
PB92-231976/REB 92-04 PC **A05**/MF **A01**

Handbook of RCRA Ground-Water Monitoring Constituents: Chemical and Physical Properties (40 CFR Part 264, Appendix 9).
PB92-233287/REB 92-04 PC **A13**/MF **A03**

CHEMICAL COMPOUNDS
Toxic Release Inventory (TRI) United States and Territories, 1987.
PB92-100114/REB 92-01 MF**$600.00**

Toxic Release Inventory (TRI) United States and Territories, 1988.
PB92-100122/REB 92-01 MF**$600.00**

Problems Associated with Published Environmental Fate Data.
PB92-101666/REB 92-01 PC **A03**/MF **A01**

On-Site Methods for Assessing Chemical Impact on the Soil Environment Using Earthworms: A Case Study at the Baird and McGuire Superfund Site, Holbrook, Massachusetts.
PB92-108166/REB 92-01 PC **A03**/MF **A01**

Screening Methods for the Development of Air Toxics Emission Factors.
PB92-108778/REB 92-01 PC **A20**/MF **A04**

Predicting Chemical Reactivity by Computer.
PB92-124312/REB 92-01 PC **A03**/MF **A01**

Toxic Substances Control Act (TSCA) Chemical Substances Inventory: Revised Inventory Synonym and Preferred Name File. January 1992 Magnetic Tape Documentation.
PB92-140755/REB 92-01 PC **A03**/MF **A01**

Limited-Use Chemical Protective Clothing for EPA Superfund Activities.
PB92-143494/REB 92-01 PC **A03**/MF **A01**

Toxic Release Inventory (TRI). Documentation for the 1990 Magnetic Tape.
PB92-155381/REB 92-01 PC **A06**/MF **A02**

Consolidated List of Chemicals Subject to Reporting under the Emergency Planning and Community Right-to-Know Act. (Title III of the Superfund Amendments and Reauthorization Act of 1986).
PB92-155399/REB 92-01 PC **A04**/MF **A01**

Controlling Odorous Emissions from Iron Foundries.
PB92-166925/REB 92-01 PC **A03**/MF **A01**

EPCRA Section 313 Roadmaps Database. User's Manual. (Version 2.2) (for Microcomputers).
PB92-169523/REB 92-01 PC **A05**/MF **A01**

Statistical Approach to Predicting Chronic Toxicity of Chemicals to Fishes from Acute Toxicity Test Data. Data Tape Documentation.
PB92-169655/REB 92-04 PC **A06**/MF **A02**

Technical Resource Document: Batch-Type Procedures for Estimating Soil Adsorption of Chemicals.
PB92-188515/REB 92-01 PC **A06**/MF **A02**

Emergency Planning and Community Right-to-Know Act: Section 313 Release Reporting Requirements.
PB92-226216/REB 92-04 PC **A03**/MF **A01**

Development Document for Effluent Limitations Guidelines and Standards and Pretreatment Standards for the Steam Electric: Point Source Category.
PB92-226422/REB 92-04 PC **A99**/MF **A06**

Common Synonyms: For Chemicals Listed Under Section 313 of the Emergency Planning and Community Right-to-Know Act.
PB92-232164/REB 92-04 PC **A06**/MF **A02**

Role of Property-Reactivity Relationships in Meeting the EPA's Needs for Environmental Fate Constants.
PB92-232941/REB 92-04 PC **A02**/MF **A01**

Waste Reduction Activities and Options for a Local Board of Education in New Jersey.
PB92-238476/REB 92-04 PC **A02**/MF **A01**

Toxic Release Inventory (TRI) 1987-1989, (on CD-ROM).
PB92-500024/REB 92-01 *CD-ROM$45.00*

Toxic Substances Control Act (TSCA) Chemical Substances Inventory: Revised Inventory Synonym and Preferred Name File, January 1992.
PB92-501386/REB 92-01 CP **T05**

Consolidated List of Chemical Subject to Reporting under the Emergency Planning and Community Right to Know Act. SARA Section 302 Extremely Hazardous Substances, CERCL Hazardous Substances and SARA Section 313 Toxic Chemicals (Title III, List of Lists) (for Microcomputers).
PB92-501774/REB 92-01 CP **D02**

Roadmaps to Sources of Information on Chemicals Listed in the Emergency Planning Community and Community Right-to-Know Act (Also Known as SARA Title 3), Section 313. Toxic Release Inventory (for Microcomputers).
PB92-501972/REB 92-01 CP **D04**

Statistical Approach to Predicting Chronic Toxicity of Chemicals to Fishes from Acute Toxicity Test Data (for Microcomputers).
PB92-503119/REB 92-04 CP **D02**

Health Effects Assessment Summary Tables.
PB92-921100/REB 92-01 Standing Order

CHEMICAL EQUILIBRIUM
Continuous Multiligand Distribution Model Used to Predict the Stability Constant of Cu(II) Metal Complexation with Humic Material from Fluorescence Quenching Data.
PB92-101377/REB 92-01 PC **A02**/MF **A01**

MANE: A Multiphase, Aqueous, Non-Steady State, Equilibrium Model for Simulating Soil-Water Interactions.
PB92-143817/REB 92-01 PC **A03**/MF **A01**

CHEMICAL INDUSTRY
Alternative Control Techniques Document: Nitric and Adipic Acid Manufacturing Plants.
PB92-132828/REB 92-01 PC **A07**/MF **A02**

Enabling Document for New Source Performance Standards for Air Oxidation Processes and Distillation Operations in the Synthetic Organic Chemical Manufacturing Industry.
PB92-161967/REB 92-01 PC **A04**/MF **A01**

Cost-Effectiveness Analysis of Proposed Effluent Limitations Guidelines and Standards for the Pesticide Manufacturing Industry.
PB92-173525/REB 92-01 PC **A03**/MF **A01**

Economic Impact Analysis of Proposed Effluent Limitations Guidelines and Standards for the Pesticide Manufacturing Industry.
PB92-173533/REB 92-01 PC **A15**/MF **A03**

Development Document for Best Available Technology, Pretreatment Technology, and New Source Performance Technology for the Pesticide Chemical Industry. Proposed. (Pesticide Chemicals Manufacturing Category Effluent Limitations Guidelines, Pretreatment Standards, and New Source Performance Standards).
PB92-173541/REB 92-01 PC **A21**/MF **A04**

Guideline Series: Control of Volatile Organic Compound Emissions from Reactor Processes and Distillation Operations Processes in the Synthetic Organic Chemical Manufacturing Industry.
PB92-180009/REB 92-01 PC **A09**/MF **A03**

Waste Minimization Assessment for a Manufacturer of Chemicals.
PB92-203595/REB 92-01 PC **A02**/MF **A01**

Development Document for Effluent Limitations Guidelines and Standards for the Gum and Wood Chemicals Manufacturing, Point Source Category.
PB92-232040/REB 92-04 PC **A12**/MF **A03**

CHEMICAL INFORMATION FACT SHEET
RED Facts: Warfarin.
PB92-126754/REB 92-01 PC **A02**/MF **A01**

Pesticide Fact Sheet Number 231: Prodiamine.
PB92-145416/REB 92-01 PC **A03**/MF **A01**

RED Facts: Carbon Dioxide.
PB92-145424/REB 92-01 PC **A02**/MF **A01**

RED Facts: Silicon Dioxide and Silica Gel.
PB92-145432/REB 92-01 PC **A02**/MF **A01**

RED Facts: Sodium Diacetate.
PB92-145440/REB 92-01 PC **A02**/MF **A01**

RED Facts: Dried Blood.
PB92-145465/REB 92-01 PC **A02**/MF **A01**

RED Facts: Inorganic Nitrate/Nitrite (Sodium and Potassium Nitrates).
PB92-145473/REB 92-01 PC **A02**/MF **A01**

RED Facts: Carbon.
PB92-147883/REB 92-01 PC **A02**/MF **A01**

RED Facts: Propionic Acid.
PB92-147891/REB 92-01 PC **A02**/MF **A01**

RED Facts: Sodium and Calcium Hypochlorite Salts.
PB92-171958/REB 92-01 PC **A02**/MF **A01**

Pesticide Fact Sheet Number 225: Dichlorvos (DDVP).
PB92-185818/REB 92-01 PC **A01**/MF **A01**

Pesticide Fact Sheet Number 91.1: Arsenic Acid (H3AsO4).
PB92-185826/REB 92-01 PC **A02**/MF **A01**

Pesticide Fact Sheet Number 112.1: Lead Arsenate.
PB92-185834/REB 92-01 PC **A01**/MF **A01**

Pesticide Fact Sheet Number 233: Ethylene Bisdithiocarbamates (EBDCs).
PB92-185842/REB 92-01 PC **A03**/MF **A01**

Pesticide Fact Sheet Number 234: Ethylene Oxide (EtO).
PB92-185859/REB 92-01 PC **A02**/MF **A01**

Pesticide Fact Sheet Number 111.1: Calcium Arsenate (Tolerance Revocation).
PB92-186410/REB 92-01 PC **A01**/MF **A01**

RED Facts: Heptachlor.
PB92-192798/REB 92-01 PC **A02**/MF **A01**

RED Facts: Putrescent Whole Egg Solids.
PB92-235621/REB 92-04 PC **A01**/MF **A01**

RED Facts: Alkyl Amine Hydrochloride.
PB92-235639/REB 92-04 PC **A02**/MF **A01**

CHEMICAL INTERACTIONS
Model of Additive Effects of Mixtures of Narcotic Chemicals.
PB92-108174/REB 92-01 PC **A02**/MF **A01**

CHEMICAL NOMENCLATURE
Common Synonyms: For Chemicals Listed Under Section 313 of the Emergency Planning and Community Right-to-Know Act.
PB92-232164/REB 92-04 PC **A06**/MF **A02**

CHEMICAL REACTION MECHANISMS
Formation of Disinfection By-Products.
PB92-124221/REB 92-01 PC **A02**/MF **A01**

Reductive Transformations of Halogenated Aromatic Hydrocarbons in Anaerobic Water-Sediment Systems: Kinetics, Mechanisms and Products.
PB92-166818/REB 92-01 PC **A03**/MF **A01**

CHEMICAL REACTIONS
Synthesis of a Novel Fluorinated Benzo(a)pyrene: 4,5-Difluorobenzo(a)pyrene.
PB92-110493/REB 92-01 PC **A02**/MF **A01**

Predicting Chemical Reactivity by Computer.
PB92-124312/REB 92-01 PC **A03**/MF **A01**

CHEMICAL REACTIVITY
Determination of Rates of Reaction in the Gas-Phase in the Troposphere. Theory and Practice. 3. Rate of Indirect Photoreaction.
PB92-150374/REB 92-01 PC **A11**/MF **A03**

Determination of Rates of Reaction in the Gas-Phase in the Troposphere. Theory and Practice. 4. Rate of Indirect Photoreaction.
PB92-150382/REB 92-01 PC **A05**/MF **A01**

CHEMICAL RESISTANCE
Chemical Resistance of Geosynthetic Materials.
PB92-136928/REB 92-01 PC **A03**/MF **A01**

Evaluation of the Chemical Resistance of Geotextiles, Geonet and Pipe.
PB92-170562/REB 92-01 PC **A05**/MF **A01**

CHEMICAL SPILLS
Biotransformation of Monoaromatic and Chlorinated Hydrocarbons at an Aviation Gasoline Spill Site.
PB92-144005/REB 92-01 PC **A03**/MF **A01**

Making It Work: Title 3 Compliance. The Public's Right-to-Know.
PB92-224690/REB 92-04 PC **A02**/MF **A01**

Title 3 on Indian Lands: A Guide to the Emergency Planning and Community Right-to-Know Act. (Technical Assistance Bulletin). Volume 10, Number 2.
PB92-224740/REB 92-04 PC **A03**/MF **A01**

CHEMICAL STABILIZATION
Evaluation of Waste Stabilized by the Soliditech SITE Technology.
PB92-136878/REB 92-01 PC **A02**/MF **A01**

CHEMICAL SUBSTANCE INVENTORY

Toxic Substances Control Act (TSCA) Chemical Substances Inventory: Revised Inventory Synonym and Preferred Name File, January 1992 Magnetic Tape Documentation.
PB92-140755/REB 92-01 PC **A03**/MF **A01**

Toxic Substances Control Act (TSCA) Chemical Substances Inventory: Revised Inventory Synonym and Preferred Name File, January 1992.
PB92-501386/REB 92-01 CP **T05**

CHEMICAL TREATMENT

Developments in Chemical Treatment of Contaminated Soil.
PB92-152933/REB 92-01 PC **A03**/MF **A01**

Guide for Conducting Treatability Studies under CERCLA: Chemical Dehalogenation.
PB92-169044/REB 92-04 PC **A05**/MF **A01**

Chemical Oxidation Treatment. Engineering Bulletin.
PB92-180066/REB 92-01 PC **A02**/MF **A01**

CHEMICAL WARFARE AGENTS

Upper-Bound Quantitative Cancer Risk Estimate for Populations Adjacent to Sulfur Mustard Incineration Facilities.
PB92-137207/REB 92-01 PC **A03**/MF **A01**

CHEMICAL WASTE SITES

Application of a Plant Test System in the Identification of Potential Genetic Hazards at Chemical Waste Sites.
PB92-124551/REB 92-01 PC **A03**/MF **A01**

CHEMICAL WATER POLLUTANTS

Influence of Size on Fate and Ecological Effects of Kepone in Physical Models.
PB92-121326/REB 92-01 PC **A03**/MF **A01**

Superfund Innovative Technology Evaluation Program Demonstration Plan for Westinghouse Bio-Analytic Systems Pentachlorophenol Immunoassays.
PB92-170190/REB 92-01 PC **A08**/MF **A02**

U.S. Environmental Protection Agency Health Effects Research on Drinking Water Contaminants.
PB92-206531/REB 92-04 PC **A02**/MF **A01**

Effects of Aqueous and Dietary Exposure of Dieldrin on Survival, Growth and Bioconcentration in Mallard Ducklings.
PB92-217413/REB 92-04 PC **A03**/MF **A01**

CHERRY TREES

Effects of Glean, a Sulfonylurea Herbicide, on the Reproductive Biology and Fruit Set in Cherry Trees. Progress Report to Region 10.
PB92-142652/REB 92-01 PC **A03**/MF **A01**

CHESAPEAKE BAY

Distribution of Submerged Aquatic Vegetation in the Chesapeake Bay and Tributaries and Chincoteague Bay - 1990.
PB92-145366/REB 92-01 PC **A13**

Progress Report of the Baywide Nutrient Reduction Reevaluation: Chesapeake Bay Program.
PB92-161033/REB 92-01 PC **A04**/MF **A01**

Chesapeake Bay Striped Bass Fishery Management Plan: Chesapeake Bay Program. Annual Progress Report from the Chesapeake Executive Council.
PB92-186428/REB 92-01 PC **A03**/MF **A01**

Chesapeake Bay Bluefish Fishery Management Plan. Chesapeake Bay Program Agreement Commitment Report.
PB92-186436/REB 92-01 PC **A04**/MF **A01**

Chesapeake Bay Waterfowl Policy and Management Plan (Agreement Committment Report).
PB92-186451/REB 92-01 PC **A03**/MF **A01**

Committed Obligated Expected Expenditures Plan (COEEP).
PB92-186469/REB 92-01 PC **A03**/MF **A01**

Chesapeake Bay Weakfish and Spotted Seatrout Fishery Management Plan: An Agreement Commitment Report from the Chesapeake Executive Council.
PB92-186477/REB 92-01 PC **A03**/MF **A01**

Disease Incidence and Potential Mechanisms of Defense for MSX-Resistant and -Susceptible Eastern Oysters Held in Chesapeake Bay.
PB92-195650/REB 92-01 PC **A02**/MF **A01**

Chesapeake Bay Citizen Monitoring Program Report Conestoga River (October 1986-June 1990).
PB92-217801/REB 92-04 PC **A03**/MF **A01**

CHESAPEAKE BAY BASIN

Chesapeake Bay Basin Comprehensive List of Toxic Substances.
PB92-221373/REB 92-04 PC **A04**/MF **A01**

Comprehensive List of Chesapeake Bay Basin Species.
PB92-222850/REB 92-04 PC **A07**/MF **A02**

CHESTER COUNTY (PENNSYLVANIA)

Superfund Record of Decision (EPA Region 3): Strasburg Landfill, Newlin Township, Chester County, PA. (Second Remedial Action), June 1991.
PB92-963913/REB 92-01 PC **A04**/MF **A01**

CHILDREN

Child Lead Exposure Study, Leeds, Alabama.
PB92-123793/REB 92-01 PC **A05**/MF **A01**

Neurobehavioral Evaluation System (NES) and School Performance.
PB92-124585/REB 92-01 PC **A03**/MF **A01**

CHIMNEYS

Fluid Modeling Simulation of Stack-Tip Downwash for Neutrally Buoyant Plumes.
PB92-166644/REB 92-01 PC **A03**/MF **A01**

CHLORAL HYDRATE

Hepatocarcinogenicity of Chloral Hydrate, 2-Chloroacetaldehyde, and Dichloroacetic Acid in the Male B6C3F1 Mouse.
PB92-232990/REB 92-04 PC **A03**/MF **A01**

CHLORINE

Toxicity of Chlorine and Ammonia to Aquatic Life: Chemistry, Water Quality Criteria, Recent Research, and Recommended Future Research.
PB92-108091/REB 92-01 PC **A03**/MF **A01**

Induction of Gastrointestinal Tract Nuclear Anomalies in B6C3F1 Mice by 3-Chloro-4-(Dichloromethyl)-5-Hydroxy-2(5H)-Furanone and 3,4-(Dichloro)-5-Hydroxy-2(5H)-Furanone, Mutagenic Byproducts of Chlorine Disinfection.
PB92-164938/REB 92-01 PC **A02**/MF **A01**

CHLORINE ALIPHATIC COMPOUNDS

Methodologies for Evaluating In situ Bioremediation of Chlorinated Solvents.
PB92-146943/REB 92-01 PC **A05**/MF **A02**

CHLORINE ORGANIC COMPOUNDS

Reduction of Hexachloroethane and Carbon Tetrachloride at Surfaces of Biotite, Vermiculite, Pyrite, and Marcasite.
PB92-113141/REB 92-01 PC **A03**/MF **A01**

Evaluation of VOST and SemiVOST Methods for Halogenated Compounds in the Clean Air Act Amendments Title III, Bench and Laboratory Studies.
PB92-178979/REB 92-01 PC **A03**/MF **A01**

Polychlorinated Biphenyls.
PB92-223288/REB 92-04 PC **A09**/MF **A03**

CHLOROBENZILATE

Chlorobenzilate Position Document 1.
PB92-114313/REB 92-01 PC **A01**/MF **A01**

CHLOROHYDROCARBONS

Experimental Investigation of PIC Formation in CFC Incineration.
PB92-126952/REB 92-01 PC **A06**/MF **A02**

GAC Adsorption of a Mixture of Natural Organic Matter and VOCs in the Presence and Absence of Molecular Oxygen.
PB92-153782/REB 92-01 PC **A03**/MF **A01**

CHLOROHYDROXYFURANONES

DNA Strand Breaks Induced in Cultured Human and Rodent Cells by Chlorohydroxyfuranones, Mutagens Isolated from Drinking Water.
PB92-164904/REB 92-01 PC **A03**/MF **A01**

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Quantification of Toxicological Effects for Dichloromethane.
PB92-173335/REB 92-01 PC **A03**/MF **A01**

CHLOROPHENAMIDINE

Influence of Chlordimeform on Alpha-Adrenergic Receptor-Associated Mechanisms of Hormonal Regulation in the Rat: Pituitary and Adrenocortical Secretion.
PB92-143908/REB 92-01 PC **A03**/MF **A01**

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Effects of Triadimefon on a Multiple Schedule of Fixed-Interval Performance: Comparison with Methylphenidate, d-Amphetamine and Chlorpromazine.
PB92-143932/REB 92-01 PC **A02**/MF **A01**

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Drinking Water Health Advisory for Chlorpyrifos.
PB92-135466/REB 92-01 PC **A03**/MF **A01**

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Prevention of Waterborne Cholera in the United States.
PB92-136886/REB 92-01 PC **A02**/MF **A01**

CHOLINERGIC RECEPTORS

Colchicine-Induced Deafferentation of the Hippocampus Selectively Disrupts Cholinergic Rhythmical Slow Wave Activity.
PB92-120476/REB 92-01 PC **A03**/MF **A01**

Spatial Learning Deficits Are Not Solely Due to Cholinergic Deficits Following Medial Septal Lesions with Colchicine.
PB92-206317/REB 92-04 PC **A03**/MF **A01**

Age-Dependent Changes in Receptor-Stimulated Phosphoinositide Turnover in the Rat Hippocampus.
PB92-206333/REB 92-04 PC **A02**/MF **A01**

CHOLINESTERASE

Methods Used in Determination of Cholinesterase Activity.
PB92-179035/REB 92-01 PC **A03**/MF **A01**

Age-Dependent Changes in Activity of Mallard Plasma Cholinesterases.
PB92-232875/REB 92-04 PC **A01**/MF **A01**

CHOLINESTERASE INHIBITORS

Comparison of In vivo Cholinesterase Inhibition in Neonatal and Adult Rats by Three Organophosphorothioate Insecticides.
PB92-110550/REB 92-01 PC **A03**/MF **A01**

Relationship between Cholinesterase Inhibition and Thermoregulation Following Exposure to Diisopropyl Fluorophosphate in the Rat.
PB92-158658/REB 92-01 PC **A02**/MF **A01**

Dose-Related Inhibition of Brain and Plasma Cholinesterase in Neonatal and Adult Rats Following Sublethal Organophosphate Exposures.
PB92-209360/REB 92-04 PC **A03**/MF **A01**

CHROMAFFIN GRANULES

Triphenyl Phosphite-Induced Ultrastructural Changes in Bovine Adrenomedullary Chromaffin Cells.
PB92-209337/REB 92-04 PC **A03**/MF **A01**

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Laboratory and Field Evaluations of a Methodology for Determining Hexavalent Chromium Emissions from Stationary Sources.
PB92-101336/REB 92-01 PC **A06**/MF **A02**

CHROMATOGRAPHIC ANALYSIS

Indoor Air Pollutants from Household Product Sources: Project Report.
PB92-136837/REB 92-01 PC **A08**/MF **A02**

CHROMIUM

Emissions of Metals, Chromium and Nickel Species, and Organics from Municipal Wastewater Sludge Incinerators. Volume 2. Site 5 Emission Test Report Hexavalent Chromium Method Evaluation.
PB92-151562/REB 92-01 PC **A05**/MF **A01**

Distribution, Speciation, and Transformation of Chromium in Contaminated Soils and Aquifer Sediments.
PB92-179092/REB 92-01 PC **A02**/MF **A01**

CHROMOSOME ABERRATIONS

Interspecies Cytogenetic Comparisons: Studies with X-Radiation and Bleomycin Sulfate.
PB92-227438/REB 92-04 PC **A03**/MF **A01**

CIGARETTE SMOKE

Dosimetry of Localized Accumulations of Cigarette Smoke and Radon Progeny at Bifurcations.
PB92-164847/REB 92-01 PC **A03**/MF **A01**

CIRCULATING BED COMBUSTOR

Technology Evaluation Report: Ogden Circulating Bed Combustor at the McColl Superfund Site.
PB92-227289/REB 92-04 PC **A04**/MF **A01**

CITIZEN PARTICIPATION

Citizens' Guidance Manual for the Technical Assistance Grant Program.
PB92-101435/REB 92-01 PC **A14**/MF **A03**

Volunteer Lake Monitoring Program, 1991. Volume 7. Southern Region.
PB92-231125/REB 92-04 PC **A05**/MF **A01**

CITRUS SINENSIS

Effects of Open-Top Chambers on 'Valencia' Orange Trees.
PB92-180355/REB 92-01 PC **A02**/MF **A01**

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Leaf Photosynthetic and Water Relations Responses for 'Valencia' Orange Trees Exposed to Oxidant Air Pollution.
PB92-153857/REB 92-01 PC **A03**/MF **A01**

Effects of Open-Top Chambers on 'Valencia' Orange Trees.
PB92-180355/REB 92-01 PC **A02**/MF **A01**

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Sediment Classification Methods Compendium.
PB92-231679/REB 92-04 PC **A13**/MF **A03**

CLAYS

Full-Scale Laboratory Simulation Facility to Test Particulate and Organic Emissions from a Third World Residential Combustion Process. III Evaluation of a Potential Technique for the Control of Emissions from the Indoor, Open Hearth Combustion of Coal.
PB92-206499/REB 92-04 PC **A03**/MF **A01**

CLAYTON COUNTY (IOWA)

Protecting Endangered Species: Interim Measures, Clayton County, Iowa.
PB92-232628/REB 92-04 PC **A01**/MF **A01**

CLEAN AIR ACT

Clean Air Act Requirements for Trace Metals Information.
PB92-164995/REB 92-01 PC **A02**/MF **A01**

Documentation for Developing the Initial Source Category List.
PB92-218429/REB 92-04 PC **A16**/MF **A03**

CLEAN AIR ACT SECTION 183 (D)

Clean Air Act Section 183(d) Guidance on Cost-Effectiveness.
PB92-136795/REB 92-01 PC **A03**/MF **A01**

CLEAN WATER ACT

Effects of Section 404 Permitting on Freshwater Wetlands in Louisiana, Alabama, and Mississippi.
PB92-217439/REB 92-04 PC **A03**/MF **A01**

Illinois Water Quality Report, 1990-1991.
PB92-223023/REB 92-04 PC **A19**/MF **A04**

Guidance for State Implementation of Water Quality Standards for CWA Section 303(C)(2)(B).
PB92-231604/REB 92-04 PC **A03**/MF **A01**

CLEANING AGENTS

Chemical Substitution for 1,1,1,-Trichloroethane and Methanol in an Industrial Cleaning Operation.
PB92-179686/REB 92-01 PC **A03**/MF **A01**

CLEANUP

Bioremediation in the Field: An Information Update on Applying Bioremediation to Site Cleanup. (Number 4).
PB92-224708/REB 92-04 PC **A03**/MF **A01**

National Priorities List Sites: Connecticut.
PB92-963203/REB
92-01
see individual report for order number and price

National Priorities List Sites: Maine.
PB92-963204/REB 92-01 PC **A04**/MF **A01**

National Priorities List Sites: New Hampshire.
PB92-963205/REB 92-01 PC **A04**/MF **A01**

National Priorities List Sites: Massachusetts.
PB92-963206/REB 92-01 PC **A05**/MF **A01**

National Priorities List Sites: Puerto Rico.
PB92-963207/REB 92-01 PC **A04**/MF **A01**

National Priorities List Sites: New York.
PB92-963208/REB 92-01 PC **A10**/MF **A03**

National Priorities List Sites: North Carolina.
PB92-963209/REB 92-01 PC **A05**/MF **A01**

National Priorities List Sites: South Carolina.
PB92-963210/REB 92-01 PC **A05**/MF **A01**

National Priorities List Sites: Minnesota.
PB92-963211/REB 92-01 PC **A07**/MF **A02**

National Priorities List Sites: Texas.
PB92-963212/REB 92-01 PC **A06**/MF **A02**

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PB92-963250/REB 92-01 PC **A08**/MF **A02**

National Priorities List Sites: Alaska.
PB92-963251/REB 92-01 PC **A04**/MF **A01**

Superfund: Reporting on Cleanup Activities through Environmental Indicators. FY 1991 Update.
PB92-963255/REB 92-01 PC **A03**/MF **A01**

Superfund Accelerated Cleanup Model (SACM).
PB92-963263/REB 92-01 PC **A03**/MF **A01**

Political Subdivision Involvement in Superfund.
PB92-963330/REB 92-01 PC **A01**/MF **A01**

Homeowners Exempted from Superfund Cleanup Costs: National Policy Overview.
PB92-963336/REB 92-01 PC **A01**/MF **A01**

Presentations EPA-State Soil Standards Conference. Held in Crystal City, Virginia on January 29, 1991.
PB92-963350/REB 92-01 PC **A08**/MF **A02**

Superfund Record of Decision (EPA Region 1): Western Sand and Gravel Site, Burrillville and North Smithfield, RI. (Third Remedial Action), April 1991.
PB92-963701/REB 92-01 PC **A11**/MF **A03**

Superfund Record of Decision (EPA Region 1): Dover Municipal Landfill, Dover, NH. (First Remedial Action), September 1991.
PB92-963702/REB 92-01 PC **A13**/MF **A03**

Superfund Record of Decision (EPA Region 2): C and J Disposal Site, Town of Eaton, Madison County, NY. (First Remedial Action), March 1991.
PB92-963801/REB 92-01 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 2): Endicott Village Wellfield, Broome County, Endicott, NY. (Second Remedial Action), March 1991.
PB92-963802/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 2): Genzale Plating Company, Franklin Square, Nassau County, NY. (First Remedial Action), March 1991.
PB92-963803/REB 92-01 PC **A05**/MF **A01**

Superfund Record of Decision (EPA Region 2): Global Landfill, Middlesex County, NJ. (First Remedial Action), October 1991.
PB92-963804/REB 92-01 PC **A08**/MF **A02**

Superfund Record of Decision (EPA Region 4): Hercules 009 Landfill Site, Brunswick, Glynn County, GA. (First Remedial Action), June 1991.
PB92-964001/REB 92-01 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 5): Oak Grove Sanitary Landfill, Anoka County, MN. (Second Remedial Action), December 1990.
PB92-964102/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 10): Bunker Hill Mining and Metallurgical Complex, Shoshone County, ID. (First Remedial Action), August 1991.
PB92-964601/REB 92-01 PC **A07**/MF **A02**

CLEANUP OPERATIONS

General Methods for Remedial Operations Performance Evaluations.
PB92-166842/REB 92-01 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 1): Western Sand and Gravel, RI. (Second Remedial Action), September 1985.
PB92-183284/REB 92-04 PC **A04**/MF **A01**

Surfactant-Enhanced Solubilization of Tetrachloroethylene and Degradation Products in Pump and Treat Remediation.
PB92-191121/REB 92-01 PC **A03**/MF **A01**

Closure of a Dioxin Incineration Facility.
PB92-191170/REB 92-01 PC **A03**/MF **A01**

Effect of Bioremediation on the Mutagenicity of Oil Spilled in Prince William Sound, Alaska.
PB92-206374/REB 92-04 PC **A02**/MF **A01**

Higher Plant Accumulation of Organic Pollutants from Soils.
PB92-209378/REB 92-04 PC **A07**/MF **A02**

Air Emissions from the Treatment of Soils Contaminated with Petroleum Fuels and Other Substances.
PB92-212976/REB 92-04 PC **A12**/MF **A03**

Characterizing Heterogeneous Wastes: Methods and Recommendations (March 26-28, 1991).
PB92-216894/REB 92-04 PC **A08**/MF **A02**

Superfund Innovative Technology Evaluation Program: Technology Profiles, Fourth Edition.
PB92-224294/REB 92-04 PC **A10**/MF **A03**

Bioremediation in the Field. An Information Update on Applying Bioremediation to Site Clean-Up. Number 3.
PB92-224807/REB 92-04 PC **A03**/MF **A01**

Contaminants and Remedial Options at Wood Preserving Sites.
PB92-232222/REB 92-04 PC **A07**/MF **A02**

Community Relations in Superfund: A Handbook.
PB92-963341/REB 92-01 PC **A12**/MF **A03**

Evaluation of Ground-Water Extraction Remedies: Phase 2. Volume 1. Summary Report.
PB92-963346/REB 92-04 PC **A03**/MF **A01**

Evaluation of Ground-Water Extraction Remedies: Phase 2. Volume 2. Case Studies and Updates.
PB92-963347/REB 92-04 PC **A19**/MF **A04**

Superfund Accelerated Cleanup Bulletin: Presumptive Remedies for Wood Treatment Facilities. Volume 1, Number 2, May 1992.
PB92-963361/REB 92-04 PC **A01**/MF **A01**

ECO Update. Volume 1, Number 3. The Role of Natural Resource Trustees in the Superfund Process.
PB92-963369/REB 92-04 PC **A03**/MF **A01**

ECO Update. Volume 1, Number 4. Developing a Work Scope for Ecological Assessments.
PB92-963370/REB 92-04 PC **A03**/MF **A01**

Superfund Accelerated Cleanup Bulletin. Volume 1, Number 3. Presumptive Remedies.
PB92-963371/REB 92-04 PC **A01**/MF **A01**

CLEFT PALATE

Retinoic Acid Alters Epithelial Differentiation during Palaiotogenesis.
PB92-158617/REB 92-01 PC **A03**/MF **A01**

Comparisons of the Effects of TCDD and Hydrocortisone on Growth Factor Expression Provide Insight into Their Interaction in the Embryonic Mouse Palate.
PB92-158641/REB 92-01 PC **A03**/MF **A01**

CLETHODIM

Pesticide Fact Sheet Number 230: Clethodim.
PB92-145457/REB 92-01 PC **A02**/MF **A01**

CLIMATE

Climate.
PB92-150457/REB 92-01 PC **A03**/MF **A01**

CLIMATIC CHANGES

Annular Denuders for Use in Global Climate and Stratospheric Measurements of Acidic Gases and Particles (Abstract Only).
N91-32531/6/REB
92-01
(Order as N91-32528/2/REB, PC **A05**/MF **A01**)

Global Carbon Cycle and Climate Change: Responses and Feedbacks from Below-Ground Systems.
PB92-121359/REB 92-01 PC **A03**/MF **A01**

Three Case Studies of Lake Temperature and Stratification Response to Warmer Climate.
PB92-121391/REB 92-01 PC **A03**/MF **A01**

Global Ecosystems Database, Version 0.1 (Beta-test). EPA Global Climate Research Program. NOAA/NGDC Global Change Database Program. Prototype 1. Database Documentation. NGDC Key to Geophysical Records Documentation No. 25.
PB92-122803/REB 92-01 PC **A16**/MF **A03**

Equilibrium-Analysis of Projected Climate Change Effects on the Global Soil Organic Matter Pool.
PB92-153022/REB 92-01 PC **A03**/MF **A01**

Global Carbon Cycle and Climate Change.
PB92-153741/REB 92-01 PC **A03**/MF **A01**

Climate Change and Isoprene Emissions from Vegetation.
PB92-153865/REB 92-01 PC **A03**/MF **A01**

NEXRAD Precipitation Information Application Forum Climate and Global Change.
PB92-180082/REB 92-01 PC **A03**/MF **A01**

U.S. EPA's Global Climate Change Program: Landfill Emissions and Mitigation Research.
PB92-180215/REB 92-01 PC **A03**/MF **A01**

Potential Impacts of Climate Change on Pacific Northwest Forest Vegetation.
PB92-184985/REB 92-01 PC **A03**/MF **A01**

Impacts of Climate Change on Rice Yield: Evaluation of the Efficacity of Different Modeling Approaches.
PB92-188754/REB 92-01 PC **A04**/MF **A01**

Climate Change in Thailand and Its Potential Impact on Rice Yield.
PB92-232883/REB 92-04 PC **A03**/MF **A01**

Toward a Rule-Based Biome Model (Journal Article).
PB92-232909/REB 92-04 PC **A03**/MF **A01**

CLIMATOLOGY

Role of Climate in Forest Monitoring and Assessment: A New England Example.
PB92-132885/REB 92-01 PC **A06**/MF **A02**

NEXRAD Precipitation Information Application Forum Climate and Global Change.
PB92-180082/REB 92-01 PC **A03**/MF **A01**

CLINICAL CHEMISTRY

Possible Approaches to Establishing Interlaboratory Comparability of Measurements of Polychlorinated Biphenyls in Human Serum.
PB92-144062/REB 92-01 PC **A02**/MF **A01**

Clinical Biochemistry.
PB92-188762/REB 92-01 PC **A03**/MF **A01**

CLOSURES

RCRA Cover Systems for Waste Management Facilities.
PB92-120435/REB 92-01 PC **A03**/MF **A01**

Technical Aspects of Underground Storage Tank Closure.
PB92-161199/REB 92-01 PC **A04**/MF **A01**

COAL
Evaluation of NOx Emissions from TVA Coal-Fired Power Plants.
PB92-164813/REB 92-01 PC **A03**/MF **A01**

Full-Scale Laboratory Simulation Facility to Test Particulate and Organic Emissions from a Third World Residential Combustion Process. III Evaluation of a Potential Technique for the Control of Emissions from the Indoor, Open Hearth Combustion of Coal.
PB92-206499/REB 92-04 PC **A03**/MF **A01**

COAL COMBUSTION
Characteristics of Single Particle Coal Combustion.
PB92-121409/REB 92-01 PC **A02**/MF **A01**

NO/Char Reactions at Pulverized Coal Flame Conditions.
PB92-121417/REB 92-01 PC **A03**/MF **A01**

Nitric Oxide Formation during Pulverized Coal Combustion.
PB92-121433/REB 92-01 PC **A03**/MF **A01**

Oxidation and Devolatilization of Nitrogen in Coal Char.
PB92-121441/REB 92-01 PC **A02**/MF **A01**

COAL FIRED POWER PLANTS
Sulfur Oxides Control Technology Series: Flue Gas Desulfurization. Dual Alkali Process.
PB92-150341/REB 92-01 PC **A03**/MF **A01**

COAL PREPARATION
Capsule Report: First Progress Report. Physical Coal-Cleaning Demonstration at Homer City, Pennsylvania.
PB92-179910/REB 92-01 PC **A03**/MF **A01**

COASTAL REGIONS
Uncertainties in Nitrogen Mass Loadings in Coastal Watersheds.
PB92-108075/REB 92-01 PC **A03**/MF **A01**

Toxicity of Chlorine and Ammonia to Aquatic Life: Chemistry, Water Quality Criteria, Recent Research, and Recommended Future Research.
PB92-108091/REB 92-01 PC **A03**/MF **A01**

EPA's Environmental Monitoring and Assessment Program: An Ecological Status and Trends Program.
PB92-121169/REB 92-01 PC **A03**/MF **A01**

Biological Criteria: Guide to Technical Literature.
PB92-231489/REB 92-04 PC **A07**/MF **A02**

COASTS
National Estuary Program After Four Years: A Report to Congress.
PB92-233154/REB 92-04 PC **A06**/MF **A02**

COATING PROCESSES
Pollution Prevention Methods in the Surface Coating Industry.
PB92-153337/REB 92-01 PC **A03**/MF **A01**

COATINGS
Capsule Report: Benefits of Microprocessor Control of Curing Ovens for Solvent-Based Coatings.
PB92-179993/REB 92-01 PC **A03**/MF **A01**

Control of VOC Emissions from Ink and Paint Manufacturing Processes.
PB92-190230/REB 92-01 PC **A09**/MF **A02**

Surface-Coating-Free Materials and Reduction of VOC Emissions from Coating Operations.
PB92-206614/REB 92-04 PC **A03**/MF **A01**

COCHISE COUNTY (ARIZONA)
Protecting Endangered Species: Interim Measures, Cochise County, Arizona.
PB92-232602/REB 92-04 PC **A01**/MF **A01**

COCONINO COUNTY (ARIZONA)
Protecting Endangered Species: Interim Measures, Coconino County, Arizona.
PB92-232636/REB 92-04 PC **A01**/MF **A01**

COLCHICINE
Compensatory Alterations in Receptor-Stimulated Phosphoinositide Hydrolysis in the Hippocampus Vary as a Function of Dose of Colchicine.
PB92-110501/REB 92-01 PC **A02**/MF **A01**

Colchicine-Induced Deafferentation of the Hippocampus Selectively Disrupts Cholinergic Rhythmical Slow Wave Activity.
PB92-120476/REB 92-01 PC **A03**/MF **A01**

Effects of NGF and Fetal Cell Transplants on Spatial Learning after Intradentate Administration of Colchicine.
PB92-150770/REB 92-01 PC **A03**/MF **A01**

Neurobiological Effects of Colchicine: Modulation by Nerve Growth Factor.
PB92-158633/REB 92-01 PC **A03**/MF **A01**

Spatial Learning Deficits Are Not Solely Due to Cholinergic Deficits Following Medial Septal Lesions with Colchicine.
PB92-206317/REB 92-04 PC **A03**/MF **A01**

COLIFORM BACTERIA
Compliance Concerns with the New Coliform Regulation.
PB92-179696/REB 92-01 PC **A02**/MF **A01**

COLIPHAGES
Effect of the Method of Preparing Monochloramine upon Inactivation of MS2 Coliphage, 'Escherichia coli', and 'Klebsiella pneumoniae'.
PB92-217355/REB 92-04 PC **A02**/MF **A01**

COLLEGES
Directory of EPA Support to Minority Academic Institutions, FY 1990-1991.
PB92-218353/REB 92-04 PC **A05**/MF **A02**

COLLETOTRICHUM GLOESPORIOIDES
Preparation and Regeneration of Protoplasts of 'Colletotrichum gloeosporioides' f. p. 'Aeschynomene'.
PB92-195734/REB 92-01 PC **A02**/MF **A01**

COLLOIDS
Facilitated Transport of Inorganic Contaminants in Ground Water: Part 2. Colloidal Transport.
PB92-114503/REB 92-01 PC **A03**/MF **A01**

Transport of Inorganic Colloids through Natural Aquifer Material: Implications for Contaminant Transport.
PB92-158690/REB 92-01 PC **A02**/MF **A01**

Stability and Transport of Inorganic Colloids through Contaminated Aquifer Material.
PB92-164839/REB 92-01 PC **A02**/MF **A01**

Surface-Charge Repulsive Effects on the Mobility of Inorganic Colloids in Surface Systems. Annual Colloid and Surface Science Symposium (65th). Held in Norman, Oklahoma on June 17-19, 1991.
PB92-191139/REB 92-01 PC **A03**/MF **A01**

COLORADO
National Priorities List Sites: Colorado.
PB92-963237/REB 92-01 PC **A05**/MF **A01**

COLORADO COUNTY (TEXAS)
Protecting Endangered Species: Interim Measures, Colorado County, Texas.
PB92-232719/REB 92-04 PC **A01**/MF **A01**

COMBINED SEWERS
Storm and Combined Sewer Pollution Control: A Compilation of Significant References.
PB92-114560/REB 92-01 PC **A03**/MF **A01**

Storage of Combined Sewage in a Marine Waterbody.
PB92-158542/REB 92-01 PC **A03**/MF **A01**

Handling and Disposal of Sludges and Residuals from Combined Sewer Overflow Treatment.
PB92-158567/REB 92-01 PC **A02**/MF **A01**

Demonstration of in-Receiving Water Storage of Combined Sewer Overflows: In a Marine/Estuarine Environment by the Flow Balance Method.
PB92-158575/REB 92-01 PC **A02**/MF **A01**

Combined Sewer Overflow: Balancing Flow for CSO Abatement.
PB92-179761/REB 92-01 PC **A02**/MF **A01**

COMBUSTION
Technical Implementation Document for EPA's Boiler and Industrial Furnace Regulations.
PB92-154947/REB 92-01 PC **A11**/MF **A03**

Development of a Core Combustion Research Program Plan for EPA.
PB92-180868/REB 92-01 PC **A03**/MF **A01**

COMBUSTION CONTROL
Combustion Control of Trace Organic Air Pollutants from Municipal Waste Combustors.
PB92-113158/REB 92-01 PC **A03**/MF **A01**

COMBUSTION EFFICIENCY
Trajectory and Incineration of Rogue Droplets in a Turbulent Diffusion Flame.
PB92-120450/REB 92-01 PC **A03**/MF **A01**

Experimental Investigation of PIC Formation in CFC Incineration.
PB92-126952/REB 92-01 PC **A06**/MF **A02**

Experimental Investigation of PIC Formation in CFC Incineration.
PB92-150432/REB 92-01 PC **A02**/MF **A01**

Pilot-Scale Evaluation of the Thermal Stability POHC Incinerability Ranking.
PB92-166966/REB 92-01 PC **A11**/MF **A03**

Full-Scale Laboratory Simulation Facility to Test Particulate and Organic Emissions from a Third World Residential Combustion Process. 1. Facility Description and Results of Tests of Three Rural China Residential Coals, a U.S. Coal, and Wood.
PB92-206598/REB 92-04 PC **A03**/MF **A01**

Retech, Inc., Plasma Centrifugal Furnace: Applications Analysis Report.
PB92-218791/REB 92-04 PC **A04**/MF **A01**

COMBUSTION PRODUCTS
Experimental Investigation of PIC Formation in CFC Incineration.
PB92-126952/REB 92-01 PC **A06**/MF **A02**

Fuel Rich Sulfur Capture in a Combustion Environment.
PB92-205228/REB 92-04 PC **A02**/MF **A01**

Chemical and Physical Properties of Emissions from Kuwait Oil Fires.
PB92-206481/REB 92-04 PC **A03**/MF **A01**

Full-Scale Laboratory Simulation Facility to Test Particulate and Organic Emissions from a Third World Residential Combustion Process. III Evaluation of a Potential Technique for the Control of Emissions from the Indoor, Open Hearth Combustion of Coal.
PB92-206499/REB 92-04 PC **A03**/MF **A01**

Recommended Operating Procedure Number 56: Collection of Gaseous Grab Samples from Combustion Sources for Nitrous Oxide Measurement.
PB92-216928/REB 92-04 PC **A03**/MF **A01**

COMBUSTORS
Waste Combustion System Analysis.
PB92-125418/REB 92-01 PC **A06**/MF **A02**

COMMUNICATIONS MANAGEMENT
Risk Assessment, Management, Communication: A Guide to Selected Sources. Volume 4, Number 1.
PB92-114412/REB 92-01 PC **A07**/MF **A02**

Risk Assessment, Management, Communication: A Guide to Selected Sources Volume 4, Number 2.
PB92-238518/REB 92-04 PC **A09**/MF **A02**

COMMUNITIES
Environmental Guidance: For Very Small Communities.
PB92-196021/REB 92-01 PC **A03**/MF **A01**

COMMUNITY RELATIONS
Community Relations in Superfund: A Handbook.
PB92-963341/REB 92-01 PC **A12**/MF **A03**

COMPLIANCE
Drinking Water Systems: Three Approaches to Improve Mobile Home Park Compliance.
PB92-164714/REB 92-01 PC **A05**/MF **A02**

Making It Work: Title 3 Compliance. The Public's Right-to-Know.
PB92-224690/REB 92-04 PC **A02**/MF **A01**

COMPOSITE FABRICATION
Lignocellulosic-Plastic Composites from Recycled Materials.
PB92-126861/REB 92-01 PC **A03**/MF **A01**

COMPOSITE MATERIALS
Guides to Pollution Prevention: The Fiberglass-Reinforced and Composite Plastics Industry.
PB91-227967/REB 92-01 PC **A04**/MF **A01**

COMPREHENSIVE ENVIRONMENTAL RESPONSE
Superfund Progress - Aficionado's Version (Progress as of March 31, 1992).
PB92-963267/REB 92-01 PC **A03**/MF **A01**

COMPREHENSIVE ENVIRONMENTAL RESPONSE COMPENSATION AND LIABILITIES ACT (CERCLA)
Superfund Policy Forum Update, Volume 1, Number 1, February 1992.
PB92-963262/REB 92-01 PC **A02**/MF **A01**

COMPREHENSIVE ENVIRONMENTAL RESPONSE COMPENSATION AND LIABILITY ACT
Guide for Conducting Treatability Studies under CERCLA: Soil Washing. Interim Guidance.
PB92-170570/REB 92-01 PC **A03**/MF **A01**

Guide for Conducting Treatability Studies under CERCLA: Soil Washing: Quick Reference Fact Sheet.
PB92-170588/REB 92-01 PC **A02**/MF **A01**

Political Subdivision Involvement in Superfund.
PB92-963330/REB 92-01 PC **A01**/MF **A01**

COMPREHENSIVE ENVIRONMENTAL RESPONSE COMPENSATION AND LIABILITY ACT (CERCLA)
CERCLIS Characterization Project: National Results.
PB92-963315/REB 92-01 PC **A06**/MF **A02**

CERCLIS Characterization Project: Region 3 Results.
PB92-963318/REB 92-01 PC **A05**/MF **A01**

CERCLIS Characterization Project: Region 4 Results.
PB92-963319/REB 92-01 PC **A05**/MF **A01**

CERCLIS Characterization Project: Region 5 Results.
PB92-963320/REB 92-01 PC **A05**/MF **A01**

CERCLIS Characterization Project: Region 6 Results.
PB92-963321/REB 92-01 PC **A05**/MF **A01**

CERCLIS Characterization Project: Region 7 Results.
PB92-963322/REB 92-01 PC **A05**/MF **A01**

CERCLIS Characterization Project: Region 8 Results.
PB92-963323/REB 92-01 PC **A05**/MF **A01**

CERCLIS Characterization Project: Region 9 Results.
PB92-963324/REB 92-01 PC **A05**/MF **A01**

CERCLIS Characterization Project: Region 10 Results.
PB92-963325/REB 92-01 PC **A05**/MF **A01**

COMPRESSED GASES
Impact of Methanol and CNG Fuels on Motor Vehicle Toxic Emissions.
PB92-110378/REB 92-01 PC **A03**/MF **A01**

COMPRESSORS
Program to Determine Performance of Fluorinated Ethers and Fluorinated Propanes in a Compressor Calorimeter.
PB92-139468/REB 92-01 PC **A03**/MF **A01**

COMPUTATION
Parallel Groundwater Computations Using PVM.
PB92-206572/REB 92-04 PC **A03**/MF **A01**

COMPUTER AIDED CONTROL
Capsule Report: Benefits of Microprocessor Control of Curing Ovens for Solvent-Based Coatings.
PB92-179993/REB 92-01 PC **A03**/MF **A01**

COMPUTER APPLICATIONS
Committed Obligated Expected Expenditures Plan (COEEP).
PB92-186469/REB 92-01 PC **A03**/MF **A01**

Intelligent Processing Equipment within the Environmental Protection Agency.
PB92-217330/REB 92-04 PC **A02**/MF **A01**

PREscore Software. Users Manual and Tutorial. Version 1.0.
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COMPUTER-ASSISTED SPERM ANALYSIS
Methods for Assessing Rat Sperm Motility.
PB92-195825/REB 92-01 PC **A02**/MF **A01**

COMPUTER GRAPHICS
User's Guide for the Urban Airshed Model. Volume 6. User's Manual for the Postprocessing System.
PB92-145382/REB 92-01 PC **A06**/MF **A02**

COMPUTER SYSTEMS PERFORMANCE
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(*Order as* N92-24987/9/REB, PC **A10**/MF **A03**)

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Remediation of Leaking USTs: A System for Accessing Case Histories and Related Documents.
PB92-179803/REB 92-01 PC **A02**/MF **A01**

COMPUTERIZED SIMULATION
Global Ecosystems Database. Version 0.1 (Beta-test). *EPA Global Climate Research Program.* NOAA/NGDC Global Change Database Program. Prototype 1. Database Documentation. NGDC Key to Geophysical Records Documentation No. 25.
PB92-122803/REB 92-01 PC **A16**/MF **A03**

Predicting Chemical Reactivity by Computer.
PB92-124312/REB 92-01 PC **A03**/MF **A01**

Tiered Modeling Approach for Assessing the Risks Due to Sources of Hazardous Air Pollutants.
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Application of MINTEQA2 to the Speciation of Contaminants at Globe, Arizona.
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ESP VI 4.0 Electrostatic Precipitator VI and Performance *Prediction Model.*
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Human Exposure Model-II: User's Guide.
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Exposure Assessment Modeling for Hydrocarbon Spills into the Subsurface: Sensitivity to Soil Properties.
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Design and Optimization of a Refrigeration System.
PB92-195973/REB 92-01 PC **A03**/MF **A01**

Guide for Using the Empirical Kinetics Modeling Approach Interface (EKMAI).
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System for Control of River Water Quality for the Community of Madrid Using QUAL2E.
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User's Guide for the SYSPOP Program: A PC Version of the PRESTO-EPA-POP Operation System. Version 1.0.
PB92-213255/REB 92-04 PC **A11**/MF **A03**

Optimal Adaptive Local Grid Refinement Approach to Modeling Contaminant Transport.
PB92-217314/REB 92-04 PC **A03**/MF **A01**

User's Guide for the Urban Airshed Model. Volume 7. *User's Manual for the Performance Evaluation System.*
PB92-224849/REB 92-04 PC **A07**/MF **A02**

BEN: A Model to Calculate the Economic Benefit of Noncompliance. User's Manual.
PB92-230358/REB 92-04 PC **A08**/MF **A02**

Dynamic Toxics Wasteload Allocation Model (DINTOX). User's Manual.
PB92-231570/REB 92-04 PC **A05**

Electrostatic Precipitator V-I (ESPVI 4.0) and Performance Prediction Model (for Microcomputers).
PB92-502251/REB 92-04 CP **D02**

COMUNIDAD DE MADRID (SPAIN)
System for Control of River Water Quality for the Community of Madrid Using QUAL2E.
PB92-206218/REB 92-04 PC **A02**/MF **A01**

CONCRETE PRODUCTS
Guidance Development Document for Effluent Limitations Guidelines and New Source Performance Standards for the Concrete Products. Point Source Category.
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CONCRETE SLABS
Recommended *Sub-Slab Depressurization* Systems Design Standard of the Florida Radon Research Program.
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CONDITIONING (LEARNING)
Eyeblink Conditioning in the Developing Rat.
PB92-232982/REB 92-04 PC **A03**/MF **A01**

CONESTOGA RIVER
Chesapeake Bay Citizen Monitoring Program Report Conestoga River (October 1986-June 1990).
PB92-217801/REB 92-04 PC **A03**/MF **A01**

CONGENITAL ABNORMALITIES
Limited PCB Antagonism of TCDD-Induced Malformations in Mice.
PB92-166768/REB 92-01 PC **A02**/MF **A01**

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Preface and Introduction to 'The Response of Western Forests to Air Pollution'.
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see individual report for order number and price

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Radon Reduction and Radon-Resistant Construction Demonstrations in New York State.
PB92-174051/REB 92-01 PC **A20**/MF **A04**

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Characterization of Products Containing Mercury in *Municipal Solid Waste in the United States, 1970 to 2000.*
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U.S. EPA's Research on Life-Cycle Analysis.
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Citizen's Guide to Pesticides (Fourth Edition), November 1991.
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Novel Method of Reducing Transient Emissions from Rotary Kiln Incinerators through Modified Waste Packaging.
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Development of a Solid Sample Analytical Procedure for Cyanide in Spent Ore. Final Technical Report.
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CONTAMINATION
Sampling of *Contaminated Sites.*
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Continuous Multiligand Distribution Model Used to Predict the Stability Constant of Cu(II) Metal Complexation with Humic Material from Fluorescence Quenching Data.
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Superfund Contracts Management Issues.
PB92-963257/REB 92-01 PC **A02**/MF **A01**

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Contracting and Subcontracting *Guide to the Superfund* Program.
PB92-963274/REB 92-04 PC **Free**

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Solid Waste Contract Negotiation Handbook.
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Technical Assistance Team (TAT) Contracts Users' Manual.
PB92-963407/REB 92-01 PC **A09**/MF **A02**

CONTRACTORS
National Radon Contractor Proficiency (RCP) Program. Proficiency Report, January 1992.
PB92-120914/REB 92-01 PC **A10**/MF **A03**

National Radon Contractor Proficiency (RCP) Program. Proficiency Report, July 1992.
PB92-206150/REB 92-04 PC **A12**/MF **A03**

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Fuzzy Logic Control of AC Induction Motors.
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Causes and Control of Activated Sludge Bulking and Foaming.
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CONTROL TECHNOLOGY CENTER
EPA's Control Technology Center: Technical Support to Federal, State, and Local Agencies.
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Automotive and Heavy-Duty Engine Coolant Recycling by Filtration. Technology Evaluation Report.
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Automotive and *Heavy-Duty Engine Coolant Recycling* by Distillation: Technology Evaluation Report.
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PB92-153444/REB 92-01 PC **A05**/MF **A01**

COOPERATIVE AGREEMENTS
Asia Pacific Cleaner Production Conference: Cooperative Approaches in Minimising Hazardous Wastes. Held in *Melbourne, Australia on February 24-27, 1992.*
PB92-180173/REB 92-01 PC **A02**/MF **A01**

Guidance on Site Assessment Cooperative Agreements.
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Solid Waste Contract Negotiation Handbook.
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COPPER
Lead and Copper Rule Guidance Manual. Volume 1. Monitoring.
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Copper Toxicity to Sperm, Embryos and Larvae of Topsmelt *'Atherinops affinis', with Notes on Induced Spawning.*
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Exposure and Release Estimations for Filter Press and Tray Dryer Operations Based on Pilot Plant Data.
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COPPER IONS
Continuous Multiligand Distribution Model Used to Predict the Stability Constant of Cu(II) Metal Complexation with Humic Material from Fluorescence Quenching Data.
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CORPUS STRIATUM
Measurement of Tyrosine Hydroxylase Apoenzyme Protein by Enzyme-Linked Immunosorbent Assay (ELISA): Effects of 1-Methyl-4-Phenyl-1,2,3,6-Tetrahydropyridine (MPTP) on Striatal Tyrosine Hydroxylase Activity and Content.
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Hazardous Air *Pollutant Program (HAP-PRO). User's* Manual (for Use with Version 1.0, January-September, 1990).
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OAQPS Control Cost Manual (Fourth Edition). Supplement 1.
PB92-137181/REB 92-01 PC **A05**/MF **A01**

Hazardous Air *Pollutant Program (HAP-PRO). Version 1* (for Microcomputers).
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Clean Air Act Section 183(d) Guidance on Cost-Effectiveness.
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Cost-Effectiveness Analysis of Proposed Effluent Limitations Guidelines and Standards for the Pesticide Manufacturing Industry.
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Economic Incentives: Options for Environmental Protection.
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Cost-Effectiveness Analysis of Effluent Standards and Limitations for Battery Manufacturing.
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COSTS
Standardized Costs for Water Supply Distribution Systems.
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Standardized Costs for Water Supply Distribution (for Microcomputers).
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CRABS COMPUTER PROGRAM
Computerized Risk and Bioaccumulation System (Version 1.0).
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Evaluating Created Wetlands through Comparisons with Natural Wetlands.
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Workshop Proceedings: The Role of Created and Natural Wetlands in Controlling Nonpoint Source Pollution. Held in Arlington, Virginia on June 10-11, 1991.
PB92-113463/REB 92-01 PC **A13**/MF **A03**

Quality Assurance Project Plan: Tampa, Florida Wetlands Study.
PB92-122761/REB 92-01 PC **A11**/MF **A03**

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Removal of Creosote from Soil by Thermal Desorption.
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Creosote, Pentachlorophenol, and Inorganic Arsenicals; Amendment of Notice of Intent to Cancel Registrations.
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Removal of Creosote from Soil by Bioslurry Reactors.
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Field Performance of Woodburning Stoves in Crested Butte, Colorado.
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Efficient Multiple-Exposure Analysis of the Toxicity of Crisnatol: A DNA Intercalator in Phase 2 Clinical Trials.
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Serological Cross-Reactions between 'Escherichia coli' O157 and other Species of the Genus 'Escherichia'.
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CROSSWALK/AIR TOXIC EMISSION FACTOR DATA BASE MANAGEMENT SYSTEM
Crosswalk/Air Toxic Emission Factor Data Base Management System User's Manual, Version 1.2.
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Crosswalk/Air Toxic Emission Factor Data Base Management System (XATEF), (Version 1.2) (for Microcomputers).
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Alaska North Slope Oil-Field Restoration Research Strategy.
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Acoustic Location of Leaks in Pressurized Underground Petroleum Pipelines.
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CRUSTACEA
Nutritional Value of 'Artemia' and 'Tigriopus californicus' (Baker) for Two Pacific Mysid Species, 'Metamysidopsis elongata' (Holmes) and 'Mysidopsis intii' (Holmquist).
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Test of Criteria for Introduced Species: The Global Invasion by the Isopod 'Synidotea laevidorsalis' (Miers, 1881).
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Effects of Heavy Industrial Pollution on Respiratory Function in the Children of Cubatao, Brazil: A Preliminary Report.
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CULBERSON COUNTY (TEXAS)
Protecting Endangered Species: Interim Measures, Culberson County, Texas.
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CULICIDAE
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Impact of Conservation Tillage Use on Soil and Atmospheric Carbon in the Contiguous United States.
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CULTURE MEDIA
Formation of Transconjugants on Plating Media Following 'In situ' Conjugation Experiments.
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Isolation and Culture of Leydig Cells from Adult Rats.
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Determination of alpha-emitting nuclides of plutonium, americium and curium in environmental materials: Pt. 1. Sea water.
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CYANIDES
Drinking Water Criteria Document for Cyanide.
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Development of a Solid Sample Analytical Procedure for Cyanide in Spent Ore. Final Technical Report.
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CYANOPHYTA
Status Report on Planktonic Cyanobacteria (Blue-Green Algae) and Their Toxins.
PB92-206259/REB 92-04 PC **A07**/MF **A02**

CYCLOHEXYLAMINES
Interactive Effects of Aldrin, Cyclohexylamine, 2,4-Diaminotoluene and Two Phorbol Esters on Metabolic Cooperation between V79 Cells.
PB92-108026/REB 92-01 PC **A02**/MF **A01**

CYCLONE COMBUSTORS
Technology Evaluation Report: Babcock and Wilcox Cyclone Furnace Vitrification Technology. Volume 1.
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Technology Evaluation Report: Babcock and Wilcox Cyclone Furnace Vitrification Technology. Volume 2.
PB92-222223/REB 92-04 PC **A15**/MF **A03**

CYCLOPENTADIENE/HEXACHLORO
Drinking Water Criteria Document for Hexachlorocyclopentadiene.
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CYCLOPHOSPHAMIDE
Host Resistance to 'Trichinella spiralis' Infection in Rats and Mice: Species-Dependent Effects of Cyclophosphamide Exposure.
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CYTOCHROME P-450
Induction of Cytochrome P-450-IA1 in Juvenile Fish by Creosote-Contaminated Sediment.
PB92-129790/REB 92-01 PC **A02**/MF **A01**

CYTOCHROMES
Disposition of 2,3,7,8-Tetrabromodibenzo-p-Dioxin and 2,3,7,8-Tetrachlorodibenzo-p-dioxin in the Rat: Biliary Excretion and Induction of Cytochromes CYP1A1 and CYP1A2.
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Response of a Human Bronchial Epithelial Cell Line to Histamine: Intracellular Calcium Changes and Extracellular Release of Inflammatory Mediators.
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CYTOMEGALOVIRUSES
Murine Cytomegalovirus Host Resistance Models.
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Waste Minimization Assessment for a Dairy.
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DALAPON
Drinking Water Criteria Document for Dalapon.
PB92-173327/REB 92-01 PC **A04**/MF **A01**

DAM FAILURE
Capsule Report: Acostic Monitoring to Determine the Integrity of Hazardous Waste Dams.
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DAMINOZIDE
Daminozide Position Document 4.
PB92-114198/REB 92-01 PC **A01**/MF **A01**

Daminozide Position Document 2/3.
PB92-114214/REB 92-01 PC **A03**/MF **A01**

Daminozide Position Document 1.
PB92-114222/REB 92-01 PC **A02**/MF **A01**

DAPHNIA
Modelling Individuals Employing an Integrated Energy Response: Application to 'Daphnia'.
PB92-179829/REB 92-01 PC **A03**/MF **A01**

Effects of Low Dissolved Oxygen on Survival, Growth and Reproduction of 'Daphnia', 'Hyalella' and 'Gammarus'.
PB92-188846/REB 92-01 PC **A02**/MF **A01**

DATA ANALYSIS
Direct/Delayed Response Project: Soil Characterization Comparison.
PB92-153428/REB 92-01 PC **A16**/MF **A03**

DATA BASE MANAGEMENT
Superfund Soils Data Management System.
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DATA BASE MANAGEMENT SYSTEMS
Volatile Organic Compound (VOC) and Particulate Matter (PM) Speciation Data System User's Manual, Version 1.4.
PB92-105527/REB 92-01 PC **A04**/MF **A01**

Crosswalk/Air Toxic Emission Factor Data Base Management System User's Manual, Version 1.2.
PB92-145556/REB 92-01 PC **A11**/MF **A03**

Volatile Organic Compound and Particulate Matter (VOC/PM) Speciation Data Base Management System (SPECIATE), Version 1.4 (for Microcomputers).
PB92-500354/REB 92-01 CP **D02**

Crosswalk/Air Toxic Emission Factor Data Base Management System (XATEF), (Version 1.2) (for Microcomputers).
PB92-501626/REB 92-01 CP **D02**

DATA BASES
SELCTV System Manual for SELCTV and REFER Databases and the SELCTV Data Management Program.
PB92-113455/REB 92-01 PC **A04**/MF **A01**

Characteristics of the U.S. EPA's Office of Pesticide Programs' Toxicity Information Databases.
PB92-188978/REB 92-01 PC **A02**/MF **A01**

Introduction and Summary. Genotoxicity and Carcinogenicity Databases: An Assessment of the Present Situation.
PB92-188986/REB 92-01 PC **A01**/MF **A01**

DATA DICTIONARIES
RCRIS Data Element Dictionary, Version 3.0.0. Data Tape Documentation.
PB92-145515/REB 92-01 PC **A25**/MF **A06**

User's Guide and Data Dictionary for Kenai Lakes Investigation Project.
PB92-178961/REB 92-01 PC **A03**/MF **A01**

DATA FILE
Toxic Release Inventory (TRI) 1987-1989, (on CD-ROM).
PB92-500024/REB 92-01 CD-ROM$45.00

Volatile Organic Compound and Particulate Matter (VOC/PM) Speciation Data Base Management System (SPECIATE), Version 1.4 (for Microcomputers).
PB92-500354/REB 92-01 CP **D02**

Aquatic Toxicity Information Retrieval Data Base (AQUIRE).
PB92-500453/REB 92-01 CP **T02**

Aquqtic Toxicity Information on VAX VMS Backup (AQUIRE for VMS).
PB92-500479/REB 92-01 CP **T02**

National Acid Precipitation Assessment Program (NAPAP) Emissions Inventory, 1985 (Version 2). Development of the Annual Data and Modelers' (for Microcomputers).
PB92-501139/REB 92-01 CP **D04**

Toxic Substances Control Act (TSCA) Chemical Substances Inventory: Revised Inventory Synonym and Preferred Name File, January 1992.
PB92-501386/REB 92-01 CP **T05**

Consolidated List of Chemical Subject to Reporting under the Emergency Planning and Community Right to Know Act. SARA Section 302 Extremely Hazardous Substances, CERCL Hazardous Substances and SARA Section 313 Toxic Chemicals (Title III, List of Lists) (for Microcomputers).
PB92-501774/REB 92-01 CP **D02**

Toxic Release Inventory (TRI), 1990.
PB92-501816/REB 92-01 CP **T14**

Roadmaps to Sources of Information on Chemicals Listed in the Emergency Planning Community and Community Right-to-Know Act (Also Known as SARA Title 3), Section 313. Toxic Release Inventory (for Microcomputers).
PB92-501972/REB 92-01 CP **D04**

Fish and Chemistry Data for the Upper Peninsula of Michigan Report (for Microcomputers).
PB92-503085/REB 92-04 CP **D02**

Staten Island/New Jersey Urban Air Toxics Assessment Project. Quarterly and Summary Data (for Microcomputers). October 1987-March 1991.
PB92-504174/REB 92-04 CP **D02**

General Information on Applying for Registration of Pesticides in the United States. Second Edition (for Microcomputers).
PB92-504356/REB 92-04 CP **D02**

Enforcement Document Retrieval System (EDRS) - ASCII (1972-November 1991).
PB92-592210/REB 92-01 Subscription

Enforcement Document Retrieval System (EDRS) - EBCDIC (1972-November 1991).
PB92-592220/REB 92-01 Subscription

Resource Conservation and Recovery Information System (RCRIS) Extract Tape.
PB92-592290/REB 92-01 CP **T01**

Enforcement Document Retrieval System (EDRS) Master File (1972-April 1992).
PB92-592380/REB 92-01 Subscription$1,440.00

Enforcement Document Retrieval System (EDRS) Update File (November 14, 1991 to April 22, 1992).
PB92-592390/REB 92-01 CP **T99**

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PB92-153899/REB 92-01 PC **A03**/MF **A01**

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PB92-179886/REB 92-01 PC **A03**/MF **A01**

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PB92-178938/REB 92-01 PC **A05**/MF **A01**

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Characterization of Stress-Responsive Behavior in 'Pseudomonas aeruginosa' PAO: Isolation of Tn3-lacZYA Fusions with Novel Damage-Inducible (din) Promoters.
PB92-195718/REB 92-01 PC **A02**/MF **A01**

Induction of Prophage Lambda by Chlorinated Organics: Detection of Some Single-Species/Single-Site Carcinogens.
PB92-195841/REB 92-01 PC **A03**/MF **A01**

Prophage Induction by DNA Topoisomerase II Poisons and Reactive-Oxygen Species: Role of DNA Breaks.
PB92-195866/REB 92-01 PC **A03**/MF **A01**

DNA INSERTION ELEMENTS

Efficient Multiple-Exposure Analysis of the Toxicity of Crisnatol: A DNA Intercalator in Phase 2 Clinical Trials.
PB92-206283/REB 92-04 PC **A03**/MF **A01**

DNA PROBES

Gene Probe for PO Messenger RNA Used to Index Acrylamide Toxic Neuropathy in Rats.
PB92-143957/REB 92-01 PC **A03**/MF **A01**

Differentiation of 'Giardia duodenalis' from Other 'Giardia spp.' by Using Polymerase Chain Reaction and Gene Probes.
PB92-150531/REB 92-01 PC **A02**/MF **A01**

DNA TOPOISOMERASE I

New Action for Topoisomerase Inhibitors.
PB92-110451/REB 92-01 PC **A03**/MF **A01**

DNA TOPOISOMERASE II

Polyploidy Induction as a Consequence of Topoisomerase Inhibition. A Flow Cytometric Assessment.
PB92-143866/REB 92-01 PC **A03**/MF **A01**

Prophage Induction by DNA Topoisomerase II Poisons and Reactive-Oxygen Species: Role of DNA Breaks.
PB92-195866/REB 92-01 PC **A03**/MF **A01**

DOCUMENTATION
Pesticide Compact Label File - 1990 Updates.
PB92-911600/REB 92-01 Subscription

DOCUMENTS
EPA Publications Bibliography 1984-1990. Part 1. Report Summaries. Part 2. Indexes.
PB91-205500/REB 92-01 PC**$200.00**

DOOLY COUNTY (GEORGIA)
Protecting Endangered Species: Interim Measures, Dooly County, Georgia.
PB92-232750/REB 92-04 PC **A01**/MF **A01**

DOSE-RESPONSE RELATIONSHIPS
Evaluating the Relationship of Metabolic Activation System Concentrations and Chemical Dose Concentrations for the Salmonella Spiral and Plate Assays.
PB92-113331/REB 92-01 PC **A03**/MF **A01**

Reversibility of Tributyltin-Induced Toxicity In vitro as a Function of Concentration and Duration of Exposure (C X T).
PB92-164854/REB 92-01 PC **A03**/MF **A01**

DOSIMETRY
Dosimetry of Localized Accumulations of Cigarette Smoke and Radon Progeny at Bifurcations.
PB92-164847/REB 92-01 PC **A03**/MF **A01**

DOVER (NEW HAMPSHIRE)
Superfund Record of Decision (EPA Region 1): Dover Municipal Landfill, Dover, NH. (First Remedial Action), September 1991.
PB92-963702/REB 92-01 PC **A13**/MF **A03**

DOWNWASH
Fluid Modeling Simulation of Stack-Tip Downwash for Neutrally Buoyant Plumes.
PB92-166644/REB 92-01 PC **A03**/MF **A01**

DRAG OUT
Modifications to Reduce Drag Out at a Printed Circuit Board Manufacturer.
PB92-198555/REB 92-04 PC **A03**/MF **A01**

DRAINAGE SYSTEMS
U.S. EPA's Manual of Practice for the Investigation and Control of Cross-Connection Pollution into Storm Drainage Systems.
PB92-217074/REB 92-04 PC **A02**/MF **A01**

DREDGE SPOIL
Chetco Ocean Dredged Material Disposal Site (ODMDS) Designation: Final Environmental Impact Statement.
PB92-104470/REB 92-01 PC **A08**/MF **A02**

DREDGED MATERIALS
Developing Sediments Quality Standards: Comprehensive Sediment Management in Puget Sound.
AD-P006 465/9/REB 92-01 PC **A03**/MF **A01**

DRIED BLOOD
RED Facts: Dried Blood.
PB92-145465/REB 92-01 PC **A02**/MF **A01**

Reregistration Eligibility Document (RED): Dried Blood.
PB92-161942/REB 92-01 PC **A03**/MF **A01**

DRINKING WATER
Manual for the Certification of Laboratories Analyzing Drinking Water. Criteria and Procedures Quality Assurance. Third Edition. Change 1.
PB92-150390/REB 92-01 PC **A03**/MF **A01**

Handbook for Special Public Notification for Lead for Public Drinking Water Suppliers.
PB92-164722/REB 92-01 PC **A04**/MF **A01**

Removing Radium from Water by Plain and Treated Activated Alumina.
PB92-164789/REB 92-01 PC **A05**/MF **A01**

Safe Drinking Water from Small Systems: Treatment Options.
PB92-198605/REB 92-04 PC **A02**/MF **A01**

Methods for the Determination of Organic Compounds in Drinking Water. Supplement 2.
PB92-207703/REB 92-04 PC **A12**/MF **A03**

Removal of Radium from Drinking Water.
PB92-218320/REB 92-04 PC **A07**/MF **A02**

Pesticides in Drinking-Water Wells.
PB92-225069/REB 92-04 PC **A03**/MF **A01**

Is Your Drinking Water Safe.
PB92-232198/REB 92-04 PC **A03**/MF **A01**

Andrew W. Breidenbach Environmental Research Center Small Systems Resource Directory.
PB92-239565/REB 92-04 PC **A04**/MF **A01**

DROPS (LIQUIDS)
Trajectory and Incineration of Rogue Droplets in a Turbulent Diffusion Flame.
PB92-120450/REB 92-01 PC **A03**/MF **A01**

DRUG FREE WORK PLACE ACT
Debarment and Suspension.
PB92-963331/REB 92-01 PC **A01**/MF **A01**

DRUG THERAPY
Efficient Multiple-Exposure Analysis of the Toxicity of Crisnatol: A DNA Intercalator in Phase 2 Clinical Trials.
PB92-206283/REB 92-04 PC **A03**/MF **A01**

Rational Approaches to the Management of Bronchopulmonary Disease.
PB92-206473/REB 92-04 PC **A03**/MF **A01**

DRY CLEANING
Dry Cleaning Facilities: Background Information for Proposed Standards.
PB92-126762/REB 92-01 PC **A07**/MF **A02**

Economic Impact Analysis of Regulatory Controls in the Dry Cleaning Industry.
PB92-126770/REB 92-01 PC **A11**/MF **A03**

Guidance Document for Effluent Discharges from the Auto and Other Laundries. Point Source Category.
PB92-231927/REB 92-04 PC **A09**/MF **A03**

DRY METHODS
Routine Estimation and Reporting of Dry Deposition for the U.S.A. Dry Deposition Network.
PB92-121144/REB 92-01 PC **A03**/MF **A01**

DRYING APPARATUS
Capsule Report: Benefits of Microprocessor Control of Curing Ovens for Solvent-Based Coatings.
PB92-179993/REB 92-01 PC **A03**/MF **A01**

DUBUQUE COUNTY (IOWA)
Protecting Endangered Species: Interim Measures, Dubuque County, Iowa.
PB92-232560/REB 92-04 PC **A01**/MF **A01**

Superfund Record of Decision (EPA Region 7): People's Natural Gas Coal Gasification Site, Dubuque, IA. (First Remedial Action), September 1991.
PB92-964301/REB 92-01 PC **A05**/MF **A01**

DUCKS
Effects of Aqueous and Dietary Exposure of Dieldrin on Survival, Growth and Bioconcentration in Mallard Ducklings.
PB92-217413/REB 92-04 PC **A03**/MF **A01**

Age-Dependent Changes in Activity of Mallard Plasma Cholinesterases.
PB92-232875/REB 92-04 PC **A01**/MF **A01**

DUPONT/OBERLIN MICROFILTRATION TREATMENT
Technology Evaluation Report: SITE Program Demonstration of the DuPont/Oberlin Microfiltration Technology.
PB92-153410/REB 92-01 PC **A06**/MF **A02**

Technology Demonstration Summary, DuPont/Oberlin Microfiltration System, Palmerton, Pennsylvania. April-May 1992.
PB92-224351/REB 92-04 PC **A02**/MF **A01**

DUPONT/OBERLIN MICROFILTRATION TREATMENT SYSTEM
DuPont/Oberlin Microfiltration Technology. Applications Analysis Report.
PB92-119023/REB 92-01 PC **A04**/MF **A01**

Demonstration of Microfiltration Technology.
PB92-136936/REB 92-01 PC **A02**/MF **A01**

DURSBAN
Long-Term Neurochemical and Behavioral Effects Induced by Acute Chlorpyrifos Treatment.
PB92-206366/REB 92-04 PC **A02**/MF **A01**

DYES
Fate of Commercial Disperse Dyes in Sediments.
PB92-101401/REB 92-01 PC **A03**/MF **A01**

Estimation of Water Solubility and Octanol/Water Partition Coefficient of Hydrophobic Dyes. Part 1. Relationship between Solubility and Partition Coefficient.
PB92-124320/REB 92-01 PC **A03**/MF **A01**

Estimation of Water Solubility and Octanol/Water Partition Coefficient of Hydrophobic Dyes. Part 2. Reverse-Phase High Performance Liquid Chromatography.
PB92-124338/REB 92-01 PC **A02**/MF **A01**

Predicting the Precipitation of Acid and Direct Dyes in Natural Waters.
PB92-206200/REB 92-04 PC **A03**/MF **A01**

DYNAMIC TOXICS WASTELOAD ALLOCATION MODEL
Dynamic Toxics Wasteload Allocation Model (DINTOX). User's Manual.
PB92-231570/REB 92-04 PC **A05**

EARLY PREGNANCY PROTOCOL
Use of Bromoergocryptine in the Validation of Protocols for the Assessment of Mechanisms of Early Pregnancy Loss in the Rat.
PB92-124692/REB 92-01 PC **A03**/MF **A01**

EARLY REDUCTIONS PROGRAM
Questions and Answers about the Early Reductions Program.
PB92-180124/REB 92-01 PC **A04**/MF **A01**

Enabling Document for Regulations Governing Compliance Extensions for Early Reductions of Hazardous Air Pollutants.
PB92-180132/REB 92-01 PC **A07**/MF **A02**

EARTH FILLS
Analysis of Factors Affecting Methane Gas Recovery from Six Landfills.
PB92-101351/REB 92-01 PC **A13**/MF **A03**

Markets for Scrap Tires.
PB92-115252/REB 92-01 PC **A06**/MF **A02**

Fuel Cell Energy Recovery from Landfill Gas.
PB92-121235/REB 92-01 PC **A03**/MF **A01**

Construction, Monitoring, and Performance of Two Soil Liners.
PB92-124049/REB 92-01 PC **A07**/MF **A02**

Compilation of Current Practices at Land Disposal Facilities: Summary of Liner and Leak Detection Designs, Action Leakage Rates, Response Action Plans, and Management of Liquids in Landfills.
PB92-126206/REB 92-01 PC **A08**/MF **A02**

Available Disposal Capacity for Solid Waste in Illinois.
PB92-139815/REB 92-01 PC **A06**/MF **A02**

Fuel Cell Energy Recovery from Landfill Gas.
PB92-150614/REB 92-01 PC **A03**/MF **A01**

Development of an Empirical Model of Methane Emissions from Landfills.
PB92-152875/REB 92-01 PC **A06**/MF **A02**

Environmental Protection Agency's Municipal Solid Waste Landfill Liner Design Criteria.
PB92-153766/REB 92-01 PC **A02**/MF **A01**

Proximity of Louisiana Sanitary Landfills to Wetlands and Deepwater Habitats.
PB92-164953/REB 92-01 PC **A02**/MF **A01**

U.S. EPA's Global Climate Change Program: Landfill Emissions and Mitigation Research.
PB92-180215/REB 92-01 PC **A03**/MF **A01**

Background Document for the Liquid Release Test: Single Laboratory Evaluation and 1988 Collaborative Study.
PB92-183201/REB 92-04 PC **A06**/MF **A02**

Landfill Gas Utilization: Options, Benefits, and Barriers.
PB92-195916/REB 92-01 PC **A03**/MF **A01**

Landfill Leachate Effects on Transport of Organic Substances in Aquifer Materials (Chapter 16).
PB92-198225/REB 92-04 PC **A03**/MF **A01**

Landfill Leachate Effects on Sorption of Organic Micropollutants onto Aquifer Materials.
PB92-198597/REB 92-04 PC **A03**/MF **A01**

Alternative Daily Cover Materials for Municipal Solid Waste Landfills.
PB92-208206/REB 92-04 PC **A03**/MF **A01**

Relationship between Free Liquids and Solids Content for Sewage Sludges.
PB92-227453/REB 92-04 PC **A03**/MF **A01**

EASTERN LAKE SURVEY
Fish Communities in Lakes in Subregion 2B (Upper Peninsula of Michigan) in Relation to Lake Acidity. Volume 1 and Volume 2: Appendices. Data Tape Documentation.
PB92-169630/REB 92-04 PC **A11**/MF **A03**

Fish and Chemistry Data for the Upper Peninsula of Michigan Report (for Microcomputers).
PB92-503085/REB 92-04 CP **D02**

EASTERN REGION (UNITED STATES)
Regional Fine Particle Field Study: Data Base and Initial Results.
PB92-106939/REB 92-01 PC **A05**/MF **A01**

Urban Air Toxics Monitoring Program Carbonyl Results, 1990.
PB92-110030/REB 92-01 PC **A07**/MF **A02**

Evaluation of RADM Predictions for a Mesoscale-beta Box Volume over Northeastern Pennsylvania.
PB92-158492/REB 92-01 PC **A02**/MF **A01**

Spatial and Temporal Analysis of Non-Urban Ozone Concentrations over the Eastern United States Using Rotated Principal Component Analysis.
PB92-192152/REB 92-01 PC **A02**/MF **A01**

ECOLOGY
EPA's Environmental Monitoring and Assessment Program: An Ecological Status and Trends Program.
PB92-121169/REB 92-01 PC **A03**/MF **A01**

U.S. Environmental Protection Agency's Environmental Monitoring and Assessment Program: An Ecological Status and Trends Program.
PB92-121292/REB 92-01 PC **A02**/MF **A01**

Influence of Size on Fate and Ecological Effects of Kepone in Physical Models.
PB92-121326/REB 92-01 PC **A03**/MF **A01**

Integrating Sustainable Agriculture, Ecology, and Environmental Policy. Proceedings of a Workshop. Held in Arlington, Virginia, on July 22-23, 1991.
PB92-137975/REB 92-01 PC **A11**/MF **A03**

Monitoring and Research Strategy for Forests-Environmental Monitoring and Assessment Program.
PB92-146208/REB 92-01 PC **A09**/MF **A02**

Alaska North Slope Oil-Field Restoration Research Strategy.
PB92-151653/REB 92-01 PC **A04**/MF **A01**

Ecological Regions versus Hydrologic Units: Frameworks for Managing Water Quality.
PB92-153873/REB 92-01 PC **A02**/MF **A01**

Progress Report of the Baywide Nutrient Reduction Reevaluation: Chesapeake Bay Program.
PB92-161033/REB 92-01 PC **A04**/MF **A01**

Oregon, USA, Ecological Regions and Subregions for Water Quality Management.
PB92-180348/REB 92-01 PC **A03**/MF **A01**

Chesapeake Bay Waterfowl Policy and Management Plan (Agreement Committment Report).
PB92-186451/REB 92-01 PC **A03**/MF **A01**

Reproductive Ecology of the Inland Silverside, 'Menidia beryllina', (Pisces: Atherinidae) from Blackwater Bay, Florida.
PB92-195775/REB 92-01 PC **A03**/MF **A01**

Peer Review Workshop Report on a Framework for Ecological Risk Assessment.
PB92-213198/REB 92-04 PC **A06**/MF **A02**

Cartographic and Geometric Components of a Global Sampling Design for Environmental Monitoring.
PB92-217397/REB 92-04 PC **A03**/MF **A01**

America's Ecological Report Card: Environmental Monitoring and Assessment Program (EMAP) (Video).
PB92-780865/REB 92-04 AV**$35.00**

ECO Update: Ecological Assessment of Superfund Sites. An Overview. Volume 1, Number 2, December 1991.
PB92-963335/REB 92-01 PC **A02**/MF **A01**

ECO Update: The Role of BTAGs in Ecological Assessment. Volume 1, Number 1, September 1991.
PB92-963337/REB 92-01 PC **A02**/MF **A01**

ECO Update. Volume 1, Number 4. Developing a Work Scope for Ecological Assessments.
PB92-963370/REB 92-04 PC **A03**/MF **A01**

ECO Update. Volume 1, Number 5, August 1992. Briefing the BTAG: Initial Description of Setting, History, and Ecology of a Site.
PB92-963374/REB 92-04 PC **A03**/MF **A01**

ECONOMIC ANALYSIS

ABEL. User's Manual.
PB92-230366/REB 92-04 PC **A08**/MF **A02**

ECONOMIC ASSISTANCE

Economic Incentives: Options for Environmental Protection.
PB92-224831/REB 92-04 PC **A07**/MF **A02**

ECONOMIC IMPACT

Economic Impact Analysis of Regulatory Controls in the Dry Cleaning Industry.
PB92-126770/REB 92-01 PC **A11**/MF **A03**

ECONOMIC IMPACTS

Economic Impact Analysis of Proposed Effluent Limitations Guidelines and Standards for the Pesticide Manufacturing Industry.
PB92-173533/REB 92-01 PC **A15**/MF **A03**

Economic Impact Analysis of Effluent Limitations and Standards for the Battery Manufacturing Industry.
PB92-231901/REB 92-04 PC **A08**/MF **A02**

ECOSYSTEMS

Environmental Monitoring and Assessment Program (EMAP) Design Report.
PB92-103449/REB 92-01 PC **A04**/MF **A01**

Indicators for Monitoring Biodiversity: A Hierarchical Approach.
PB92-108117/REB 92-01 PC **A03**/MF **A01**

Ecological Indicators. Proceedings of an International Symposium. Held in Fort Lauderdale, Florida on October 16-19, 1990.
PB92-114131/REB 92-01 PC **A99**/MF **E99**

Forest Health Monitoring Plot Design and Logistics Study.
PB92-118447/REB 92-01 PC **A06**/MF **A02**

Global Ecosystems Database. Version 0.1 (Beta-test). EPA Global Climate Research Program. NOAA/NGDC Global Change Database Program. Prototype 1. Database Documentation. NGDC Key to Geophysical Records Documentation No. 25.
PB92-122803/REB 92-01 PC **A16**/MF **A03**

Role of Climate in Forest Monitoring and Assessment: A New England Example.
PB92-132885/REB 92-01 PC **A06**/MF **A02**

Proximity of Louisiana Sanitary Landfills to Wetlands and Deepwater Habitats.
PB92-164953/REB 92-01 PC **A02**/MF **A01**

Air Pollution Effects on Biodiversity.
PB92-170166/REB 92-01 PC **A15**/MF **A03**

Pollution Impacts at the Stand and Ecosystem Levels.
PB92-179027/REB 92-01 PC **A03**/MF **A01**

Methods of Assessing Responses of Trees, Stands and Ecosystems to Air Pollution (Chapter 7).
PB92-180231/REB 92-01 PC **A04**/MF **A01**

Approach to Assessment of Management Impacts on Agricultural Soil Carbon.
PB92-217173/REB 92-04 PC **A03**/MF **A01**

Restoration of Aquatic Ecosystems: Science, Technology and Public Policy.
PB92-224161/REB 92-04 PC **A24**/MF **A04**

EDEMA

Myelin Basic Protein-Messenger RNA (MBP-mRNA) Expression during Triethyltin-Induced Myelin Edema.
PB92-150861/REB 92-01 PC **A03**/MF **A01**

EDGEWOOD (MARYLAND)

Superfund Record of Decision (EPA Region 3): USA Aberdeen Proving Ground, Edgewood, MD. (First Remedial Action), September 1991.
PB92-963916/REB 92-01 PC **A05**/MF **A01**

EELGRASS

Long-Term Changes in the Areal Extent of Tidal Marshes, Eelgrass Meadows and Kelp Forests of Puget Sound.
PB92-104496/REB 92-01 PC **A06**/MF **A02**

EFFICIENCY

Numerical Calculation: Aspiration Efficiency of Aerosols into Thin-Walled Sampling Inlets.
PB92-132901/REB 92-01 PC **A06**/MF **A02**

EFFLUENTS

Responses of Wetland Plants to Effluents in Water and Sediment.
PB92-129758/REB 92-01 PC **A02**/MF **A01**

Complex Effluent Toxicity Information System (CETIS) (for Microcomputers).
PB92-501899/REB 92-01 CP **D04**

EGG PLANTS

Protection of Tomatoes, Egg Plants, and Peppers: 1979-April 1991. Citations from AGRICOLA Concerning Diseases and Other Environmental Considerations.
PB92-140201/REB 92-01 PC **A11**/MF **A03**

EKMAI COMPUTER PROGRAM

Guide for Using the Empirical Kinetics Modeling Approach Interface (EKMAI).
PB92-196005/REB 92-01 PC **A03**/MF **A01**

EL NINO

Effects of El Nino and La Nina on Seabird Assemblages in the Equatorial Pacific.
PB92-217405/REB 92-04 PC **A03**/MF **A01**

EL PASO COUNTY (TEXAS)

Protecting Endangered Species: Interim Measures, El Paso County, Texas.
PB92-232420/REB 92-04 PC **A01**/MF **A01**

ELECTRIC BATTERIES

Control Technologies for Remediation of Contaminated Soil and Waste Deposits at Superfund Lead Battery Recycling Sites.
PB92-227388/REB 92-04 PC **A03**/MF **A01**

Cost-Effectiveness Analysis of Effluent Standards and Limitations for Battery Manufacturing.
PB92-231893/REB 92-04 PC **A03**/MF **A01**

Economic Impact Analysis of Effluent Limitations and Standards for the Battery Manufacturing Industry.
PB92-231901/REB 92-04 PC **A08**/MF **A02**

ELECTRIC CORONA

Corona Destruction: An Innovative Control Technology for VOCs and Air Toxics.
PB92-206622/REB 92-04 PC **A03**/MF **A01**

ELECTRIC FIELDS

Electric and Magnetic Fields Near AM Broadcast Towers.
PB92-101427/REB 92-01 PC **A05**/MF **A01**

Research Strategy for Electric and Magnetic Fields: Research Needs and Priorities.
PB92-170174/REB 92-01 PC **A04**/MF **A01**

ELECTRIC MOTORS

Waste Minimization Assessment for a Manufacturer of Permanent-Magnet DC Electric Motors.
PB92-196369/REB 92-04 PC **A02**/MF **A01**

ELECTRIC POWER PLANTS

Evaluation of NOx Emission Control Catalysts for Power Plant SCR Installations.
PB92-121276/REB 92-01 PC **A03**/MF **A01**

ELECTRICAL RESISTIVITY

Measurement and Prediction of the Resistivity of Ash/Sorbent Mixtures Produced by Sulfur Oxide Control Processes.
PB92-126812/REB 92-01 PC **A04**/MF **A01**

ELECTROLYTIC RESPIROMETRY

Development of Predictive Structure-Biodegradation Relationship Models with the Use of Respirometrically Generated Biokinetic Data.
PB92-191196/REB 92-01 PC **A03**/MF **A01**

Respirometric Methods for Determination of Biodegradability and Biodegradation Kinetics for Hazardous Organic Pollutant Compounds.
PB92-217108/REB 92-04 PC **A03**/MF **A01**

ELECTRON ACCEPTORS

Biodegradation of Monoaromatic Hydrocarbons by Aquifer Microorganisms Using Oxygen, Nitrate, or Nitrous Oxide as the Terminal Electron Acceptor.
PB92-110543/REB 92-01 PC **A02**/MF **A01**

ELECTRON CAPTURE MASS SPECTROMETRY

Comparative Analysis of Dioxins and Furans in Ambient Air by High Resolution and Electron Capture Mass Spectrometry.
PB92-206440/REB 92-04 PC **A02**/MF **A01**

ELECTRONICS INDUSTRY

Development Document for Effluent Limitations. Guidelines for the Electrical and Electronic Components. Point Source Category. Phase 2.
PB92-232016/REB 92-04 PC **A09**/MF **A02**

ELECTROSTATIC PRECIPITATORS

Effects on Electrostatic Precipitation of Changes in Grain Loading, Size Distribution, Resistivity, and Temperature.
PB92-113109/REB 92-01 PC **A03**/MF **A01**

Evaluation of Pilot ESP Performance with Elevated Loadings from Sorbent Injection Processes.
PB92-113117/REB 92-01 PC **A03**/MF **A01**

SUPER ESP: Ultimate Electrostatic Precipitation.
PB92-113125/REB 92-01 PC **A03**/MF **A01**

Modeling Wave Form Effects in ESPs: The Algorithm in ESPM and ESPVI.
PB92-121243/REB 92-01 PC **A03**/MF **A01**

ESP VI 4.0 Electrostatic Precipitator VI and Performance Prediction Model.
PB92-169614/REB 92-04 PC **A05**/MF **A01**

Electrostatic Precipitator V-I (ESPVI 4.0) and Performance Prediction Model (for Microcomputers).
PB92-502251/REB 92-04 CP **D02**

ELECTROSTATICS

Quantitative Comparison of Molecular Electrostatic Potentials for Structure-Activity Studies.
PB92-110519/REB 92-01 PC **A03**/MF **A01**

ELK CREEK WILDLIFE MANAGEMENT AREA

Evaluation of Wetland Development and Waterbird Response at Elk Creek Wildlife Management Area, Lake Mills, Iowa, 1961 to 1990.
PB92-153386/REB 92-01 PC **A03**/MF **A01**

ELKART (INDIANA)

Superfund Record of Decision (EPA Region 5): Main Street Well Field, Elkhart, IN. (Second Remedial Action), March 1991.
PB92-964107/REB 92-01 PC **A05**/MF **A01**

ELKHART (INDIANA)

Superfund Record of Decision (EPA Region 5): Conrail Railyard, Elkhart County, IN. (First Remedial Action), June 1991.
PB92-964109/REB 92-01 PC **A04**/MF **A01**

ELUTRIATES

Predicting the Toxicity of Bulk Sediments to Aquatic Organisms with Aqueous Test Fractions: Pore Water versus Elutriate.
PB92-150606/REB 92-01 PC **A02**/MF **A01**

Contribution of Ammonia, Metals and Nonpolar Organic Compounds to the Toxicity of Sediment Interstitial Water from an Illinois River Tributary.
PB92-150648/REB 92-01 PC **A03**/MF **A01**

EMBRYOS

Developmental Malformation of Frog Embryos: An Analysis of Teratogenicity of Chemical Mixtures.
PB92-108190/REB 92-01 PC **A02**/MF **A01**

In vitro/In vivo Comparison of Yolk-Sac Function and Embryo Development.
PB92-150804/REB 92-01 PC **A02**/MF **A01**

EMERGENCIES

National Oil and Hazardous Substances Pollution Contingency Plan (The NCP).
PB92-963261/REB 92-01 PC **A15**/MF **A03**

EMERGENCY EXEMPTION

Emergency Exemptions under Section 18 of the Federal Insecticide Fungicide and Rodenticide Act. 2. Instructions for Submission of Emergency Exemption Applications.
PB92-183243/REB 92-04 PC **A03**/MF **A01**

EMERGENCY PLANNING

Manual of Protective Action Guides and Protective Actions for Nuclear Incidents.
PB92-164763/REB 92-01 PC **A12**/MF **A03**

Guidelines for Catastrophic Emergency Situations Involving Asbestos.
PB92-218361/REB 92-04 PC **A04**/MF **A01**

Superfund Emergency Response Actions: A Summary of Federally-Funded Removals. Fifth Annual Report - Fiscal Year 1990.
PB92-963403/REB 92-01 PC **A08**/MF **A02**

EMERGENCY PLANNING AND COMMUNITY RIGHT TO KNOW ACT

Toxic Release Inventory (TRI). Documentation for the 1990 Magnetic Tape.
PB92-155381/REB 92-01 PC **A06**/MF **A02**

Consolidated List of Chemicals Subject to Reporting under the Emergency Planning and Community Right-to-Know Act. (Title III of the Superfund Amendments and Reauthorization Act of 1986).
PB92-155399/REB 92-01 PC **A04**/MF **A01**

Making It Work: Title 3 Compliance. The Public's Right-to-Know.
PB92-224690/REB 92-04 PC **A02**/MF **A01**

Title 3 on Indian Lands: A Guide to the Emergency Planning and Community Right-to-Know Act. (Technical Assistance Bulletin). Volume 10, Number 2.
PB92-224740/REB 92-04 PC **A03**/MF **A01**

Bibliography of Materials on the Emergency Planning and Community Right-to-Know Act (Title III of SARA).
PB92-224823/REB 92-04 PC **A03**/MF **A01**

Consolidated List of Chemical Subject to Reporting under the Emergency Planning and Community Right to Know Act. SARA Section 302 Extremely Hazardous Substances, CERCL Hazardous Substances and SARA Section 313 Toxic Chemicals (Title III, List of Lists) (for Microcomputers).
PB92-501774/REB 92-01 CP **D02**

EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT OF 1986

Emergency Planning and Community Right-to-Know Act: Section 313 Release Reporting Requirements.
PB92-226216/REB 92-04 PC **A03**/MF **A01**

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CERCLA Notifications: Emergency Response Notification System (ERNS) Fact Sheet.
PB92-963411/REB 92-04 PC **A01**/MF **A01**

Overview of ERNS: Emergency Response Notification System (ERNS) Fact Sheet.
PB92-963412/REB 92-04 PC **A01**/MF **A01**

Oil Notifications: Emergency Response Notification System (ERNS) Fact Sheet.
PB92-963413/REB 92-04 PC **A01**/MF **A01**

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Superfund Emergency Response Actions: A Summary of Federally-Funded Removals. Fifth Annual Report - Fiscal Year 1990.
PB92-963403/REB 92-01 PC **A08**/MF **A02**

EMERGING TECHNOLOGY PROGRAM
U.S. Environmental Protection Agency's SITE Emerging Technology Program: 1991 Update.
PB92-150663/REB 92-01 PC **A02**/MF **A01**

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Solvent Use Emissions Estimation Methodologies: Future Implications.
PB92-150440/REB 92-01 PC **A03**/MF **A01**

EMISSION CONTROL
Degreaser System Pollution Prevention Evaluation.
AD-A242 110/5/REB 92-01 PC **A06**/MF **A02**

Application for Certification 1991 Model Year Light-Duty Vehicles - Audi.
PB91-242644/REB 92-01 PC **A99**/MF **E99**

Application for Certification 1991 Model Year Light-Duty Vehicles - BMW.
PB91-242651/REB 92-01 PC **A99**/MF **E08**

Application for Certification 1991 Model Year Light-Duty Vehicles - Ferrari - Fiat.
PB91-242669/REB 92-01 PC **A07**/MF **A02**

Application for Certification 1991 Model Year Light-Duty Vehicles - Ford.
PB91-242677/REB 92-01 PC **A99**/MF **E19**

Application for Certification 1991 Model Year Light-Duty Trucks - Ford.
PB91-242685/REB 92-01 PC **A99**/MF **E11**

Application for Certification 1991 Model Year Light-Duty Vehicles - Fuji.
PB91-242693/REB 92-01 PC **A99**/MF **A06**

Application for Certification 1991 Model Year Light-Duty Vehicles - General Motors.
PB91-242701/REB 92-01 PC **A99**/MF **E99**

Application for Certification 1991 Model Year Light-Duty Trucks - Isuzu Motors.
PB91-242719/REB 92-01 PC **A19**/MF **A04**

Application for Certification 1991 Model Year Light-Duty Vehicles - Isuzu Motors.
PB91-242727/REB 92-01 PC **A13**/MF **A03**

Application for Certification 1991 Model Year Light-Duty Vehicles and Light-Duty Trucks - Nissan.
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Application for Certification 1991 Model Year Light-Duty Vehicles - Volkswagen.
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Application for Certification 1991 Model Year Heavy-Duty Diesel Engines - Mack Truck.
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Application for Certification 1991 Model Year Heavy-Duty Vehicles - Mack Trucks.
PB91-242776/REB 92-01 PC **A25**/MF **A06**

Application for Certification 1991 Model Year Heavy-Duty Engines - Navistar.
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Application for Certification 1992 Model Year Light-Duty Trucks - Chrysler.
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PB92-122258/REB 92-01 PC **A13**/MF **A03**

Application for Certification 1992 Model Year Light-Duty Vehicles - Federal Coach.
PB92-122266/REB 92-01 PC **A07**/MF **A02**

Application for Certification 1992 Model Year Light-Duty Vehicles - Fiat.
PB92-122274/REB 92-01 PC **A99**/MF **E04**

Application for Certification 1992 Model Year Light-Duty Vehicles - Fiat Ferrari.
PB92-122282/REB 92-01 PC **A99**/MF **A06**

Application for Certification 1992 Model Year Light-Duty Trucks - Ford.
PB92-122290/REB 92-01 PC **A99**/MF **E11**

Application for Certification 1992 Model Year Light-Duty Vehicles - Ford.
PB92-122308/REB 92-01 PC **A99**/MF **E16**

Application for Certification 1992 Model Year Light-Duty Vehicles - General Motors.
PB92-122316/REB 92-01 PC **A99**/MF **E99**

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Application for Certification 1992 Model Year Light-Duty Vehicles - Volkswagen.
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Application for Certification 1992 Model Year Light-Duty Vehicles - Volvo Cars of North America.
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Application for Certification 1992 Model Year Light-Duty Motorcycles - Yamaha.
PB92-122480/REB 92-01 PC **A21**/MF **A04**

Application for Certification 1992 Model Year Heavy-Duty Chrysler Otto Cycle.
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PB92-122530/REB 92-01 PC **A03**/MF **A01**

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Application for Certification 1990 Model Year Light-Duty Vehicles - BMW.
PB92-127968/REB 92-01 PC **A99**/MF **E99**

Application for Certification 1990 Model Year Light-Duty Vehicles - Honda.
PB92-127976/REB 92-01 PC **A22**/MF **A04**

Application for Certification 1990 Heavy-Duty Diesel - Detroit Diesel.
PB92-127984/REB 92-01 PC **A13**/MF **A03**

Application for Certification 1991 Model Year Light-Duty Trucks - Chrysler Jeep.
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Application for Certification 1991 Model Year Light-Duty Trucks - Chrysler.
PB92-128008/REB 92-01 PC **A99**/MF **E11**

Application for Certification 1991 Model Year Light-Duty Vehicles - Chrysler.
PB92-128016/REB 92-01 PC **A99**/MF **E11**

Application for Certification 1991 Model Year Light-Duty Vehicles - Fiat.
PB92-128024/REB 92-01 PC **A13**/MF **A03**

Application for Certification 1991 Model Year Light-Duty Vehicles - American Honda.
PB92-128032/REB 92-01 PC **A99**/MF **E08**

Application for Certification 1991 Model Year Light-Duty Vehicles - Jaguar.
PB92-128040/REB 92-01 PC **A05**/MF **A01**

Application for Certification 1991 Model Year Light-Duty Vehicles - Mazda Motor Company.
PB92-128057/REB 92-01 PC **A99**/MF **E14**

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PB92-128065/REB 92-01 PC **A99**/MF **E08**

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PB92-128073/REB 92-01 PC **A99**/MF **A06**

Application for Certification 1991 Model Year Light-Duty Vehicles - Range Rover.
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Application for Certification 1991 Model Year Light-Duty Vehicles - Volvo.
PB92-128107/REB 92-01 PC **A99**/MF **E19**

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Application for Certification 1991 Model Year Heavy-Duty Diesel Engines - Isuzu Motors.
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Screening Methods for the Development of Air Toxics Emission Factors.
PB92-108778/REB 92-01 PC **A20**/MF **A04**

Locating and Estimating Air Emissions from Sources of Styrene, Interim Report.
PB92-126788/REB 92-01 PC **A08**/MF **A02**

Compilation of Air Pollutant Emission Factors. Volume 1. Stationary Point and Area Sources. Fourth Edition. Supplement D.
PB92-126945/REB 92-01 PC **A07**/MF **A02**

Documentation of AIRS AMS National Methodologies.
PB92-132869/REB 92-01 PC **A07**/MF **A02**

Residential Wood Combustion: Issues and Emission Estimation Techniques.
PB92-139435/REB 92-01 PC **A03**/MF **A01**

National Air Quality and Emissions Trends Report, 1990.
PB92-141555/REB 92-01 PC **A07**/MF **A02**

Assessment of VOC Emissions and Their Control from Baker's Yeast Manufacturing Facilities.
PB92-145408/REB 92-01 PC **A04**/MF **A01**

Crosswalk/Air Toxic Emission Factor Data Base Management System User's Manual, Version 1.2.
PB92-145556/REB 92-01 PC **A11**/MF **A03**

Emission Factor Documentation for AP-42 Section 2.5, Sewage Sludge Incineration.
PB92-152834/REB 92-01 PC **A05**/MF **A01**

Emission Factor Documentation for *AP-42 Section 2.1.1.,* Municipal Waste Combustion.
PB92-152867/REB 92-01 PC **A15**/MF **A03**

Evaluation of NOx Emissions from TVA Coal-Fired Power Plants.
PB92-164813/REB 92-01 PC **A03**/MF **A01**

Concentrations from Above-Roof Releases of Laboratory Exhausts: A Wind Tunnel Study.
PB92-164821/REB 92-01 PC **A03**/MF **A01**

NATO Workshop on the Atmospheric Methane Cycle. Held in Mt. Hood, Oregon on October 6-11, 1991. Working Group Report on Methane Sources and Sinks.
PB92-180256/REB 92-01 PC **A03**/MF **A01**

Oil and Gas Field Emissions Survey.
PB92-184977/REB 92-01 PC **A14**/MF **A03**

Feasibility of Including Regional and Temporal VOC Emissions Estimates in the EPA Emissions Trends Report.
PB92-216910/REB 92-04 PC **A04**/MF **A01**

Evaporation Rate of Volatile Liquids. Final Report, Second Edition.
PB92-232305/REB 92-04 PC **A09**/MF **A02**

Crosswalk/Air Toxic Emission Factor Data Base Management System (XATEF), (Version 1.2) (for Microcomputers).
PB92-501626/REB 92-01 CP **D02**

EMISSION INVENTORIES
Nonroad Engine and Vehicle Emission Study-Report and Appendixes.
PB92-104462/REB 92-01 PC **A20**/MF **A04**

Status and Needs for Toxic Emission Inventories for *Regional Dispersion and Deposition Modeling.*
PB92-110394/REB 92-01 PC **A03**/MF **A01**

Emission Inventory Requirements for Carbon Monoxide State Implementation Plans, 1991.
PB92-112150/REB 92-01 PC **A05**/MF **A01**

Procedures for the Preparation of Emission Inventories for Carbon Monoxide and Precursors of Ozone. Volume 1. General Guidance for Stationary Sources.
PB92-112168/REB 92-01 PC **A11**/MF **A03**

Example Emission Inventory Documentation for Post-1987 Ozone State Implementation Plans (SIPs).
PB92-112176/REB 92-01 PC **A18**/MF **A04**

Emission Inventory Requirements for Ozone State Implementation Plans.
PB92-118017/REB 92-01 PC **A06**/MF **A02**

Locating and Estimating Air Emissions from Sources of Styrene, Interim Report.
PB92-126788/REB 92-01 PC **A08**/MF **A02**

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PB92-126796/REB 92-01 PC **A07**/MF **A02**

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PB92-126846/REB 92-01 PC **A03**/MF **A01**

Nonroad Engine and Vehicle Emission Study-Report.
PB92-126960/REB 92-01 PC **A24**/MF **A04**

Identification and Characterization of Missing or Unaccounted for Area Source Categories.
PB92-139377/REB 92-01 PC **A15**/MF **A03**

Seasonal and Annual Biogenic Emission Inventories for the U.S. and Canada.
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PB92-184977/REB 92-01 PC **A14**/MF **A03**

Procedures for Emission Inventory Preparation. Volume 4: Mobile Sources.
PB92-209386/REB 92-04 PC **A11**/MF **A03**

Quality Review Guidelines for 1990 Base Year Emission Inventories.
PB92-224435/REB 92-04 PC **A12**/MF **A03**

Toxic Release Inventory (TRI) 1987-1989, (on CD-ROM).
PB92-500024/REB 92-01 CD-ROM$45.00

National Acid Precipitation Assessment Program (NAPAP) Emissions Inventory, 1985 (Version 2). Development of the Annual Data and Modelers' (for Microcomputers).
PB92-501139/REB 92-01 CP **D04**

EMISSION INVENTORY

Toxic Release Inventory (TRI) United States and Territories, 1987.
PB92-100114/REB 92-01 MF**$600.00**

Toxic Release Inventory (TRI) United States and Territories, 1988.
PB92-100122/REB 92-01 MF**$600.00**

EMPIRICAL KINETICS MODELING APPROACH INTERFACE PROGRAM

Guide for Using the Empirical Kinetics Modeling Approach Interface (EKMAI).
PB92-196005/REB 92-01 PC **A03**/MF **A01**

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PB92-231091/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, Avery County, North Carolina.
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Protecting Endangered Species: Interim Measures. Decatur County, Georgia.
PB92-231117/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, Culberson County, Texas.
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Protecting Endangered Species: Interim Measures, Carter County, Tennessee.
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PB92-232644/REB 92-04 PC **A01**/MF **A01**

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ENGINES

Nonroad Engine and Vehicle Emission Study-Report and Appendixes.
PB92-104462/REB 92-01 PC **A20**/MF **A04**

Nonroad Engine and Vehicle Emission Study-Report.
PB92-126960/REB 92-01 PC **A24**/MF **A04**

ENVIRONMENT MANAGEMENT

Project Manager's Guide to Requesting and Evaluating Chemical Analyses. Puget Sound Estuary Program.
PB92-132794/REB 92-01 PC **A08**/MF **A02**

ENVIRONMENT PROTECTION

Intelligent Processing Equipment within the Environmental Protection Agency.
N92-24997/8/REB 92-01
(Order as N92-24987/9/REB, PC **A10**/MF **A03**)

ENVIRONMENTAL CHEMICAL SUBSTITUTES

Degreaser System Pollution Prevention Evaluation.
AD-A242 110/5/REB 92-01 PC **A06**/MF **A02**

Simulation Results of Single Refrigerants for Use in a Dual-Circuit Refrigerator/Freezer.
PB92-153790/REB 92-01 PC **A01**/MF **A01**

ENVIRONMENTAL CHEMICAL SUBSTITUTION

Chemical Substitution for 1,1,1,-Trichloroethane and Methanol in an Industrial Cleaning Operation.
PB92-179886/REB 92-01 PC **A03**/MF **A01**

ENVIRONMENTAL EFFECTS

Predicting Chemical Concentration Effects on Transformation Rates of Dissolved Organics by Complex Microbial Assemblages.
PB92-101393/REB 92-01 PC **A03**/MF **A01**

Problems Associated with Published Environmental Fate Data.
PB92-101666/REB 92-01 PC **A03**/MF **A01**

Long-Term Changes in the Areal Extent of Tidal Marshes, Eelgrass Meadows and Kelp Forests of Puget Sound.
PB92-104496/REB 92-01 PC **A06**/MF **A02**

Reduction of Hexachloroethane and Carbon Tetrachloride at Surfaces of Biotite, Vermiculite, Pyrite, and Marcasite.
PB92-113141/REB 92-01 PC **A03**/MF **A01**

Global Carbon Cycle and Climate Change: Responses and Feedbacks from Below-Ground Systems.
PB92-121359/REB 92-01 PC **A03**/MF **A01**

Predicting Chemical Reactivity by Computer.
PB92-124312/REB 92-01 PC **A03**/MF **A01**

Environmental Factors Correlated to Dichlorophenol Dechlorination in Anoxic Freshwater Sediments.
PB92-124346/REB 92-01 PC **A03**/MF **A01**

Science Policy Interface (Chapter 12).
PB92-143841/REB 92-01 PC **A03**/MF **A01**

AL and the Environment: Knowledge-Based Tools for Environmental Decision Makers.
PB92-153345/REB 92-01 PC **A01**/MF **A01**

EPCRA Section 313 Roadmaps Database. User's Manual. (Version 2.2) (for Microcomputers).
PB92-169523/REB 92-01 PC **A05**/MF **A01**

Pollution Impacts at the Stand and Ecosystem Levels.
PB92-179027/REB 92-01 PC **A03**/MF **A01**

U.S. Environmental Protection Agency Research Program on the Environmental Impacts and Control of Highway Deicing Salt Pollution.
PB92-179688/REB 92-01 PC **A03**/MF **A01**

Potential Impacts of Increased Solar UV-B on Global Plant Productivity.
PB92-180223/REB 92-01 PC **A03**/MF **A01**

Technical Guidance on Supplementary Stream Design Conditions for Steady State Modeling.
PB92-231844/REB 92-04 PC **A05**/MF **A01**

Roadmaps to Sources of Information on Chemicals Listed in the Emergency Planning Community and Community Right-to-Know Act (Also Known as SARA Title 3), Section 313. Toxic Release Inventory (for Microcomputers).
PB92-501972/REB 92-01 CP **D04**

ENVIRONMENTAL ENGINEERING

EPA's Control Technology Center: Technical Support to Federal, State, and Local Agencies.
PB92-198233/REB 92-04 PC **A02**/MF **A01**

Air Pollution Engineering Research at the U.S. Environmental Protection Agency.
PB92-206457/REB 92-04 PC **A01**/MF **A01**

ENVIRONMENTAL EXPOSURE

Child Lead Exposure Study, Leeds, Alabama.
PB92-123793/REB 92-01 PC **A05**/MF **A01**

ENVIRONMENTAL EXPOSURE PATHWAYS

Methodology for Assessing Environmental Releases of and Exposure to Municipal Solid Waste Combustor Residuals.
PB92-109149/REB 92-01 PC **A07**/MF **A02**

ENVIRONMENTAL HEALTH

Workshop Report on Toxicity Equivalency Factors for Polychlorinated Biphenyl Congeners. Risk Assessment Forum.
PB92-114529/REB 92-01 PC **A05**/MF **A02**

Tiered Modeling Approach for Assessing the Risks Due to Sources of Hazardous Air Pollutants.
PB92-164748/REB 92-01 PC **A03**/MF **A01**

Implementing 'In vitro' Models in the Hazard Identification and Risk Assessment Process.
PB92-188796/REB 92-01 PC **A03**/MF **A01**

Assessment of Spatial Variation of Risks in Small Populations.
PB92-188903/REB 92-01 PC **A03**/MF **A01**

Use of Visual and Chemosensory Evoked Potentials in Environmental and Occupational Health.
PB92-217041/REB 92-04 PC **A03**/MF **A01**

Supplemental Guidance to RAGS: Calculating the Concentration Term. Volume 1, Number 1, May 1992.
PB92-963373/REB 92-04 PC **A02**/MF **A01**

ENVIRONMENTAL IMPACT

Developing Sediments Quality Standards: Comprehensive Sediment Management in Puget Sound.
AD-P006 465/9/REB 92-01 PC **A03**/MF **A01**

ENVIRONMENTAL IMPACT ASSESSMENTS

Regional Assessment of Aquifer Vulnerability and Sensitivity in the Conterminous United States.
PB92-100148/REB 92-01 PC **A15**/MF **A03**

Regulatory Impact Analysis for the Final Criteria for Municipal Solid Waste Landfills.
PB92-100841/REB 92-01 PC **A13**/MF **A03**

Addendum to the Regulatory Impact Analysis for the Final Criteria for Municipal Solid Waste Landfills.
PB92-100858/REB 92-01 PC **A03**/MF **A01**

Example Environmental Assessment Report for Estuaries.
PB92-102656/REB 92-01 PC **A04**/MF **A01**

On-Site Methods for Assessing Chemical Impact on the Soil Environment Using Earthworms: A Case Study at the Baird and McGuire Superfund Site, Holbrook, Massachusetts.
PB92-108166/REB 92-01 PC **A03**/MF **A01**

Methods of Assessing Responses of Trees, Stands and Ecosystems to Air Pollution (Chapter 7).
PB92-180231/REB 92-01 PC **A04**/MF **A01**

Information Integration for Environmental Monitoring and Assessment: An Annotated Bibliography.
PB92-227461/REB 92-04 PC **A03**/MF **A01**

EMPA Monitor - March 1992 Edition.
PB92-239557/REB 92-04 PC **A03**/MF **A01**

Preliminary Ranking Evaluation Score (PREscore) Version 1.1 (for Microcomputers).
PB92-503507/REB 92-04 CP **D02**

Health Effects Assessment Summary Tables.
PB92-921100/REB 92-01 Standing Order

ENVIRONMENTAL IMPACT STATEMENTS-DRAFT

Dry Cleaning Facilities: Background Information for Proposed Standards.
PB92-126762/REB 92-01 PC **A07**/MF **A02**

ENVIRONMENTAL IMPACT STATEMENTS-FINAL

Chetco Ocean Dredged Material Disposal Site (ODMDS) *Designation: Final Environmental Impact Statement.*
PB92-104470/REB 92-01 PC **A08**/MF **A02**

ENVIRONMENTAL IMPACTS

Air/Superfund National Technical Guidance Study Series: Estimation of Air Impacts for Soil Vapor Extraction (SVE) Systems.
PB92-143676/REB 92-01 PC **A03**/MF **A01**

Access EPA: Public Information Tools, Major EPA Dockets, Clearinghouses and Hotlines, Records Management Programs, Major EPA Environmental Databases, Library and Information Services, State Environmental Libraries, EPA Scientific Models New for 1992. 1992 Edition.
PB92-147438/REB 92-04 PC**$21.00**

Guide to Selected National Environmental Statistics in the U.S. Government.
PB92-201144/REB 92-04 PC **A05**/MF **A02**

Polychlorinated Biphenyls.
PB92-223288/REB 92-04 PC **A09**/MF **A03**

Environmental Gases.
PB92-227313/REB 92-04 PC **A06**/MF **A02**

Protecting Endangered Species: Interim Measures, Culberson County, Texas.
PB92-232412/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, Jackson County, Mississippi.
PB92-232495/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, Navajo County, Arizona.
PB92-232511/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, *Graham County*, Arizona.
PB92-232529/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, Carter County, Tennessee.
PB92-232537/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, Cochise County, Arizona.
PB92-232602/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, Bolivar County, Mississippi.
PB92-232610/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, Clayton County, Iowa.
PB92-232628/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, Coconino County, Arizona.
PB92-232636/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, Aransas County, Texas.
PB92-232644/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, Mitchell *County, North Carolina.*
PB92-232651/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, Mohave County, Arizona.
PB92-232669/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, Burke County, Georgia.
PB92-232685/REB 92-04 PC **A01**/MF **A01**

ENVIRONMENTAL LEGISLATION

Enforcement Document Retrieval System (EDRS) - ASCII (1972-November 1991).
PB92-592210/REB 92-01 Subscription

Enforcement Document Retrieval System (EDRS) EBCDIC (1972-November 1991).
PB92-592220/REB 92-01 Subscription

Enforcement Document Retrieval System (EDRS) Master File (1972-April 1992).
PB92-592380/REB 92-01 Subscription$1,440.00

Enforcement Document Retrieval System (EDRS) Update File (November 14, 1991 to April 22, 1992).
PB92-592390/REB 92-01 CP **T99**

ENVIRONMENTAL MANAGEMENT

Regional Efforts Through the LJC to Address Contaminated Bottom Sediment Problems in the Great Lakes.
AD-P006 832/0/REB 92-04 PC **A02**/MF **A01**

Base Realignment and Closure 'How-to' Manual for Compliance with the National Environment Policy Act.
PB92-146281/REB 92-01 PC **A15**/MF **A03**

AL and the Environment: Knowledge-Based Tools for Environmental Decision Makers.
PB92-153345/REB 92-01 PC **A01**/MF **A01**

Beyond the Border: Environmental Management in Washington and British Columbia.
PB92-166883/REB 92-01 PC **A08**/MF **A02**

At the Threshold: A National Consensus Quality Systems Standard for Environmental Programs, 1992.
PB92-209295/REB 92-04 PC **A03**/MF **A01**

Facility Pollution Prevention Guide.
PB92-213206/REB 92-04 PC **A08**/MF **A02**

Educating Managers about Quality through Customer-Supplier Understanding. Overview of Current Training Initiatives in Energy and Environmental Programs. Annual *National Energy and Environmental Quality Division Conference* (19th).
PB92-217116/REB 92-04 PC **A03**/MF **A01**

Guidelines for Catastrophic Emergency Situations Involving Asbestos.
PB92-218361/REB 92-04 PC **A04**/MF **A01**

America's Ecological Report Card: Environmental Monitoring and Assessment Program (EMAP) (Video).
PB92-780865/REB 92-04 AV**$35.00**

ENVIRONMENTAL MONITORING

Offsite environmental monitoring report: Radiation monitoring around United States nuclear test areas. Calendar year 1990.
DE92010386/REB 92-04 PC **A09**/MF **A02**

Environmental Monitoring and Assessment Program (EMAP) Design Report.
PB92-103449/REB 92-01 PC **A04**/MF **A01**

Long-Term Trends in Puget Sound Marine Fishes: Selected Data Sets.
PB92-104488/REB 92-01 PC **A03**/MF **A01**

Indicators for Monitoring Biodiversity: A Hierarchical Approach.
PB92-108117/REB 92-01 PC **A03**/MF **A01**

Lead and Copper Rule Guidance Manual. Volume 1. Monitoring.
PB92-112101/REB 92-01 PC **A10**/MF **A03**

Ecological Indicators. Proceedings of an International Symposium. Held in Fort Lauderdale, Florida on October 16-19, 1990.
PB92-114131/REB 92-01 PC **A99**/MF **E99**

Environmental Monitoring and Assessment Program: 1991 Project Descriptors.
PB92-114479/REB 92-01 PC **A06**/MF **A02**

Forest Health Monitoring Plot Design and Logistics Study.
PB92-118447/REB 92-01 PC **A06**/MF **A02**

EPA's Environmental Monitoring and Assessment Program: An Ecological Status and Trends Program.
PB92-121169/REB 92-01 PC **A03**/MF **A01**

U.S. Environmental Protection Agency's Environmental Monitoring and Assessment Program: An Ecological Status and Trends Program.
PB92-121292/REB 92-01 PC **A02**/MF **A01**

International Symposium on Field Screening Methods for Hazardous Wastes and Toxic Chemicals (2nd), Proceedings. *Held in Las Vegas, Nevada on February 12-14,* 1991.
PB92-125764/REB 92-01 PC **A99**/MF **E08**

Role of Climate in Forest Monitoring and Assessment: A New England Example.
PB92-132885/REB 92-01 PC **A06**/MF **A02**

Assessment of Diagnostic Measurements for Selection for Residential Radon Mitigation.
PB92-153725/REB 92-01 PC **A03**/MF **A01**

Interlaboratory Study of Cellular Fluorescence Intensity Measurements with Fluorescein-Labeled Microbead Standards.
PB92-153899/REB 92-01 PC **A03**/MF **A01**

Environmental Radiation Data. Report 63, July-September 1990.
PB92-164706/REB 92-01 PC **A03**/MF **A01**

Preliminary Results of a Pesticide Leaching Study at Plains, Georgia.
PB92-166354/REB 92-01 PC **A02**/MF **A01**

Statistical Issues in Environmental Monitoring and Assessment.
PB92-178987/REB 92-01 PC **A03**/MF **A01**

Probability Sampling and Population Inference in Monitoring Programs.
PB92-180272/REB 92-01 PC **A03**/MF **A01**

Diatoms: Powerful Indicators of Environmental Change.
PB92-180397/REB 92-01 PC **A03**/MF **A01**

Report to Congress on Ocean Dumping, 1987-1990.
PB92-188663/REB 92-01 PC **A04**/MF **A01**

Gas Chromatographic Elution Patterns of Chlorinated Dioxins versus Column Polarity.
PB92-192186/REB 92-01 PC **A02**/MF **A01**

Quality Assurance Support for the National Atmospheric Deposition Program and National Trends Network Monitoring Activities. Fourth Progress Report, 1990-1991.
PB92-194000/REB 92-01 PC **A06**/MF **A02**

Cartographic and Geometric Components of a Global Sampling Design for Environmental Monitoring.
PB92-217397/REB 92-04 PC **A03**/MF **A01**

Chesapeake Bay Citizen Monitoring Program Report Conestoga River (October 1986-June 1990).
PB92-217801/REB 92-04 PC **A03**/MF **A01**

Volunteer Lake Monitoring: A Methods Manual.
PB92-218411/REB 92-04 PC **A07**/MF **A02**

Volunteer Lake Monitoring Program, 1991. Volume 1: Statewide Summary Report.
PB92-222512/REB 92-04 PC **A06**/MF **A02**

Volunteer Lake Monitoring Program, 1991. Volume 6. Southwestern Illinois Region.
PB92-222876/REB 92-04 PC **A04**/MF **A01**

Information Integration for Environmental Monitoring and Assessment: An Annotated Bibliography.
PB92-227461/REB 92-04 PC **A03**/MF **A01**

EMPA Monitor - March 1992 Edition.
PB92-239557/REB 92-04 PC **A03**/MF **A01**

ENVIRONMENTAL MONITORING AND ASSESSMENT PROGRAM

Example Environmental Assessment Report for Estuaries.
PB92-102656/REB 92-01 PC **A04**/MF **A01**

Environmental Monitoring and Assessment Program (EMAP) Design Report.
PB92-103449/REB 92-01 PC **A04**/MF **A01**

Environmental Monitoring and Assessment Program: 1991 Project Descriptors.
PB92-114479/REB 92-01 PC **A06**/MF **A02**

EPA's Environmental Monitoring and Assessment Program: An Ecological Status and Trends Program.
PB92-121169/REB 92-01 PC **A03**/MF **A01**

Environmental Monitoring and Assessment Program: Surface Waters Implementation Plan - Northeast Pilot Lake Survey, Summer 1991.
PB92-139948/REB 92-01 PC **A05**/MF **A01**

Monitoring and Research Strategy for Forests-Environmental Monitoring and Assessment Program.
PB92-146208/REB 92-01 PC **A09**/MF **A02**

America's Ecological Report Card: Environmental Monitoring and Assessment Program (EMAP) (Video).
PB92-780865/REB 92-04 AV**$35.00**

ENVIRONMENTAL POLICY

Carpet Policy Dialogue. Compendium Report, September 27, 1991.
PB92-115005/REB 92-01 PC **A99**/MF **A06**

Integrating Sustainable Agriculture, Ecology, and Environmental Policy. Proceedings of a Workshop. Held in Arlington, Virginia, on July 22-23, 1991.
PB92-137975/REB 92-01 PC **A11**/MF **A03**

User's Guide for the Urban Airshed Model. Volume 6. User's Manual for the Postprocessing System.
PB92-145382/REB 92-01 PC **A06**/MF **A02**

Projected Regulatory, Programmatic and Fiscal Impacts of EPA's Strawman-II on State Mine Waste Management Programs. Volume 1. Summary Report.
PB92-190156/REB 92-01 PC **A04**/MF **A01**

Projected Regulatory, Programmatic and Fiscal Impacts of EPA's Strawman-II on State Mine Waste Management Programs. Volume 2. State Reports of Western Governors' Association Mine Waste Task Force States.
PB92-190164/REB 92-01 PC **A99**

Projected Regulatory, Programmatic and Fiscal Impacts of EPA's Strawman-II on State Mine Waste Management Programs. Volume 3. Appendix: State Reports Interstate Coalition on Mine Waste.
PB92-190172/REB 92-01 PC **A14**

Environmental Guidance: For Very Small Communities.
PB92-196021/REB 92-01 PC **A03**/MF **A01**

Technical Support Document for the 1992 Citizen's Guide to Radon.
PB92-218395/REB 92-04 PC **A08**/MF **A02**

Economic Incentives: Options for Environmental Protection.
PB92-224831/REB 92-04 PC **A07**/MF **A02**

ENVIRONMENTAL POLLUTANTS

Selection of Adduct-Forming Chemicals for Human Monitoring Studies.
PB92-132877/REB 92-01 PC **A05**/MF **A01**

Selection of a Base Serum for the Preparation of Quality Control Pools Containing Environment Analytes.
PB92-153840/REB 92-01 PC **A03**/MF **A01**

Protein Adducts for Exposure Monitoring: A Computerized Database. Software and User's Manual.
PB92-155431/REB 92-01 PC **A03**/MF **A01**

Interspecies Sensitivity to Chemical Carcinogens: Relationships between Mouse Skin Tumors and Human Lung Cancer.
PB92-158674/REB 92-01 PC **A03**/MF **A01**

Review of Di(2-Ethylhexyl)Phthalate (DEHP) Risk Assessments.
PB92-198613/REB 92-04 PC **A03**/MF **A01**

Considerations in the U.S. Environmental Protection Agency's Testing Approach for Mutagencity.
PB92-206341/REB 92-04 PC **A03**/MF **A01**

Principles of Identifying and Characterizing Neurotoxicity.
PB92-209303/REB 92-04 PC **A02**/MF **A01**

Aging in Today's Environment.
PB92-223254/REB 92-04 PC **A11**/MF **A03**

Toxics in the Community: National and Local Perspectives. The 1989 Toxics Release Inventory National Report.
PB92-224278/REB 92-04 PC **A24**/MF **A04**

Protein Adducts for Exposure Monitoring: A Computerized Database (CPAD) (Version 1) (for Microcomputers).
PB92-501873/REB 92-01 CP **D02**

ENVIRONMENTAL POLLUTION

At the Threshold: A National Consensus Quality Systems Standard for Environmental Programs, 1992.
PB92-209295/REB 92-04 PC **A03**/MF **A01**

Common Synonyms: For Chemicals Listed Under Section 313 of the Emergency Planning and Community Right-to-Know Act.
PB92-232164/REB 92-04 PC **A06**/MF **A02**

Infrared Spectroscopy-Based Property-Reactivity Correlations for Predicting Environmental Fate of Organic Chemicals.
PB92-232925/REB 92-04 PC **A03**/MF **A01**

Environmental Protection Agency Civil Enforcement Docket.
PB92-921700/REB 92-01 Subscription

ENVIRONMENTAL PROTECTION

Running a Conference as a Clean Product. International Conference on Pollution Prevention: Clean Technologies and Clean Products. Held in Washington, DC. on June 10-13, 1990.
PB92-109099/REB 92-01 PC **A03**/MF **A01**

Evaluating Created Wetlands through Comparisons with Natural Wetlands.
PB92-111566/REB 92-01 PC **A03**/MF **A01**

EPA's Environmental Monitoring and Assessment Program: An Ecological Status and Trends Program.
PB92-121169/REB 92-01 PC **A03**/MF **A01**

Technical Basis for Establishing Sediment Quality Criteria for Nonionic Organic Chemicals Using Equilibrium Partitioning. Annual Review.
PB92-129642/REB 92-01 PC **A03**/MF **A01**

Chemical Resistance of Geosynthetic Materials.
PB92-136928/REB 92-01 PC **A03**/MF **A01**

Trends and Patterns in Section 404 Permitting Requiring Compensatory Mitigation in Oregon and Washington, USA.
PB92-153907/REB 92-01 PC **A03**/MF **A01**

Evaluation of the Chemical Resistance of Geotextiles, Geonet and Pipe.
PB92-170562/REB 92-01 PC **A05**/MF **A01**

Catalogue and Directory of New England States and Regional GIS Organizations and Activities, and an Assessment of Their Future GIS Needs.
PB92-178227/REB 92-01 PC **A13**/MF **A03**

U.S. Environmental Protection Agency Research Program on the Environmental Impacts and Control of Highway Deicing Salt Pollution.
PB92-179688/REB 92-01 PC **A03**/MF **A01**

Waste Minimization Assessment for a Manufacturer of Automotive Air Conditioning Condensers and Evaporators.
PB92-188739/REB 92-01 PC **A02**/MF **A01**

Waste Minimization Assessment for a Manufacturer of Metal Bands, Clamps, Retainers, and Tooling.
PB92-188747/REB 92-01 PC **A02**/MF **A01**

Waste Minimization Assessment for a Manufacturer Producing Galvanized Steel Parts.
PB92-189695/REB 92-01 PC **A02**/MF **A01**

Waste Minimization Assessment for a Manufacturer of Metal-Plated Display Racks.
PB92-189703/REB 92-01 PC **A02**/MF **A01**

Facility Pollution Prevention Guide.
PB92-213206/REB 92-04 PC **A08**/MF **A02**

Enforcement in the 1990's Project: Recommendations of the Analytical Workgroups.
PB92-224286/REB 92-04 PC **A17**/MF **A04**

Watershed Protection Approach: An Overview.
PB92-224732/REB 92-04 PC **A03**/MF **A01**

Protecting the Nation's Ground Water: EPA's Strategy for the 1990s: The Final Report of the EPA Ground-Water Task Force.
PB92-224765/REB 92-04 PC **A05**/MF **A01**

Economic Incentives: Options for Environmental Protection.
PB92-224831/REB 92-04 PC **A07**/MF **A02**

Protecting Endangered Species: Interim Measures, Baker County, Georgia.
PB92-232404/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, El Paso County, Texas.
PB92-232420/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, Monongalia County, West Virginia.
PB92-232438/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, Hudspeth County, Texas.
PB92-232487/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, Towns County, Georgia.
PB92-232503/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, Austin County, Texas.
PB92-232545/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, Sunflower County, Mississippi.
PB92-232552/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, Dubuque County, Iowa.
PB92-232560/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, Fayette County, Iowa.
PB92-232578/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, Habersham County, Georgia.
PB92-232586/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, Rabun County, Georgia.
PB92-232594/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, Yavapai County, Arizona.
PB92-232677/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, Wheeler County, Georgia.
PB92-232693/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, Sumter County, Georgia.
PB92-232701/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, Colorado County, Texas.
PB92-232719/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, Floyd County, Georgia.
PB92-232727/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, Davidson County, Tennessee.
PB92-232735/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, Gordon County, Georgia.
PB92-232743/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, Dooly County, Georgia.
PB92-232750/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, Henderson County, North Carolina.
PB92-232768/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, Lee County, Georgia.
PB92-232776/REB 92-04 PC **A01**/MF **A01**

Data User's Guide to the United States Environmental Protection Agency's Long-Term Monitoring Project: Quality Assurance Plan and Data Dictionary.
PB92-239573/REB 92-04 PC **A06**/MF **A02**

EPA (Environmental Protection Agency) Publications Bibliography, Quarterly Abstract Bulletin.
PB92-904200/REB 92-01 Subscription

ENVIRONMENTAL PROTECTION AGENCY

Intelligent Processing Equipment within the Environmental Protection Agency.
PB92-217330/REB 92-04 PC **A02**/MF **A01**

Directory of EPA Support to Minority Academic Institutions, FY 1990-1991.
PB92-218353/REB 92-04 PC **A05**/MF **A02**

ABEL. User's Manual.
PB92-230366/REB 92-04 PC **A08**/MF **A02**

ENVIRONMENTAL RESEARCH

EPA Publications Bibliography 1984-1990. Part 1. Report Summaries. Part 2. Indexes.
PB91-205500/REB 92-01 PC**$200.00**

INFOTERRA/USA Directory of Environmental Sources.
PB92-102433/REB 92-01 PC **A20**/MF **A04**

Opportunities in Applied Environmental Research and Development.
PB92-223189/REB 92-04 PC **A08**/MF **A02**

ENVIRONMENTAL SURVEYS

Toxic Release Inventory (TRI) United States and Territories, 1987.
PB92-100114/REB 92-01 MF**$600.00**

Toxic Release Inventory (TRI) United States and Territories, 1988.
PB92-100122/REB 92-01 MF**$600.00**

Marine Debris Survey Manual.
PB92-103456/REB 92-01 PC **A08**/MF **A02**

Health Effects of Arsenic in Drinking Water.
PB92-110360/REB 92-01 PC **A03**/MF **A01**

RCRA Permit Policy Compendium. Volume 1. User's Guide. Key Word Index.
PB92-111715/REB 92-01 PC **E10**

RCRA Permit Policy Compendium. Volume 2 (9420.1980-9434.1900). Hazardous Waste Management System (Part 260). General, Definitions, Petitions.
PB92-111723/REB 92-01 PC **A13**

RCRA Permit Policy Compendium. Volume 3 (9441.1980-9441.1986). Identification and Listing of Hazardous Waste (Part 261). General.
PB92-111731/REB 92-01 PC **A14**

RCRA Permit Policy Compendium. Volume 4 (9441.1987-9441.1990). Identification and Listing of Hazardous Waste (Part 261). General.
PB92-111749/REB 92-01 PC **A14**

RCRA Permit Policy Compendium. Volume 5 (9442.1980-9444.1986). Identification and Listing of Hazardous Waste (Part 261). Criteria for Identifying Hazardous Waste, Characteristics of Hazardous Waste, Lists of Hazardous Waste.
PB92-111756/REB 92-01 PC **A14**

RCRA Permit Policy Compendium. Volume 6 (9444.1987-9457.1990). Identification and Listing of Hazardous Waste (Part 261). Lists (Cont'd), Generator Standards (Part 262), General, Pretransportation, Recordkeeping, Special Conditions, Importing.
PB92-111764/REB 92-01 PC **A15**

RCRA Permit Policy Compendium. Volume 7 (9460.1980-9482.1990). Transporter Standards (Part 263). (TSDF's) (Parts 264 and 265), TSDF Technical Requirements (Parts 264 and 265).
PB92-111772/REB 92-01 PC **A11**

RCRA Permit Policy Compendium. Volume 8 (9483.1980-9489.1990). TSDF Technical Requirements (Parts 264 and 265). Tanks, Surface Impoundments, Waste Piles, Land Treatment, Landfills, Incinerators, Miscellaneous Units.
PB92-111780/REB 92-01 PC **A15**

RCRA Permit Policy Compendium. Volume 9 (9490.1980-9521.1990). Standards for Managing Specific Hazardous Wastes (Part 266). Permitting Policies, Permitting Procedures (Parts 124 and 270).
PB92-111798/REB 92-01 PC **A15**

RCRA Permit Policy Compendium. Volume 10 (9522.1980-9528.1990). Permitting Procedures (Parts 124 and 270). Applications, Conditions, Changes, Interim Status.
PB92-111806/REB 92-01 PC **A15**

RCRA Permit Policy Compendium. Volume 11 (9530.1980-9581.1990). Air Emissions Standards, State Authorization (Part 271), Land Disposal Restrictions (Part 268). Waste Minimization, Subtitle D, RCRA Grant Funds.
PB92-111814/REB 92-01 PC **A17**

Alachlor Position Document 2/3.
PB92-111889/REB 92-01 PC **A02**/MF **A01**

Forest Health Monitoring, New England, 1990. Annual Report.
PB92-113018/REB 92-01 PC **A07**/MF **A02**

Daminozide Position Document 4.
PB92-114198/REB 92-01 PC **A01**/MF **A01**

1,3-Dichloropropene Position Document 1.
PB92-114206/REB 92-01 PC **A02**/MF **A01**

Daminozide Position Document 2/3.
PB92-114214/REB 92-01 PC **A03**/MF **A01**

Daminozide Position Document 1.
PB92-114222/REB 92-01 PC **A02**/MF **A01**

Cadmium: Special Review Document.
PB92-114230/REB 92-01 PC **A01**/MF **A01**

Alachlor: Position Document, 4.
PB92-114248/REB 92-01 PC **A03**/MF **A01**

Ethalfluralin Position Document 1/2/3/4.
PB92-114263/REB 92-01 PC **A02**/MF **A01**

Dichlorvos (DDVP) Position Document 1.
PB92-114271/REB 92-01 PC **A02**/MF **A01**

Captafol Final Decision.
PB92-114289/REB 92-01 PC **A01**/MF **A01**

Inorganic Arsenicals Position Document 2/3.
PB92-114297/REB 92-01 PC **A03**/MF **A01**

Inorganic Arsenicals Position Document 4.
PB92-114305/REB 92-01 PC **A03**/MF **A01**

Chlorobenzilate Position Document 1.
PB92-114313/REB 92-01 PC **A01**/MF **A01**

Workshop Report on Toxicity Equivalency Factors for Polychlorinated Biphenyl Congeners. Risk Assessment Forum.
PB92-114529/REB 92-01 PC **A05**/MF **A02**

Global Ecosystems Database. Version 0.1 (Beta-test). EPA Global Climate Research Program. NOAA/NGDC Global Change Database Program. Prototype 1. Database Documentation. NGDC Key to Geophysical Records Documentation No. 25.
PB92-122803/REB 92-01 PC **A16**/MF **A03**

Project Manager's Guide to Requesting and Evaluating Chemical Analyses. Puget Sound Estuary Program.
PB92-132794/REB 92-01 PC **A08**/MF **A02**

Toxic Substances Control Act (TSCA) Chemical Substances Inventory: Revised Inventory Synonym and Preferred Name File. January 1992 Magnetic Tape Documentation.
PB92-140755/REB 92-01 PC **A03**/MF **A01**

MANE: A Multiphase, Aqueous, Non-Steady State, Equilibrium Model for Simulating Soil-Water Interactions.
PB92-143817/REB 92-01 PC **A03**/MF **A01**

Organic Contract Compliance Screening System. Software for the PC (OLM01.8 Version 1). User Manual.
PB92-145564/REB 92-01 PC **A06**/MF **A02**

Organic Contract Compliance Screening System. Software for the PC (SOW March 1990, Version 1). User Manual.
PB92-145572/REB 92-01 PC **A08**/MF **A02**

Organic Contract Compliance Screening System. Software for the PC (Version June 1990). User Manual.
PB92-145580/REB 92-01 PC **A08**/MF **A02**

Inorganic Contract Compliance Screening System Software for the PC (SOW March 1990 Version 1). User Manual.
PB92-145598/REB 92-01 PC **A07**/MF **A02**

Standard Reference Materials for Chemical and Biological Studies of Complex Environmental Samples.
PB92-150705/REB 92-01 PC **A03**/MF **A01**

Guide for Conducting Treatability Studies under CERCLA: Chemical Dehalogenation.
PB92-169044/REB 92-04 PC **A05**/MF **A01**

Chemical Dehalogenation Treatability Studies under CERCLA: An Overview.
PB92-169275/REB 92-04 PC **A02**/MF **A01**

User's Guide and Data Dictionary for Kenai Lakes Investigation Project.
PB92-178961/REB 92-01 PC **A03**/MF **A01**

Epoxide Ring Opening and Related Reactivities of Cyclopenta Polycyclic Aromatic Hydrocarbons: Quantum Mechanical Studies.
PB92-179795/REB 92-01 PC **A02**/MF **A01**

Spectroscopic Study of Surface Redox Reactions With Manganese Oxides.
PB92-179837/REB 92-01 PC **A02**/MF **A01**

Chlorinated Dioxins and Furans in the General U.S. Population: NHATS FY87 Results.
PB92-180157/REB 92-01 PC **A12**/MF **A03**

Mercury in the St. Louis River, Mississippi River, Crane Lake, and Sand Point Lake: Cycling, Distribution, and Sources. Report to the Legislative Commission on Minnesota Resources.
PB92-195957/REB 92-01 PC **A07**/MF **A02**

Chesapeake Bay Basin Comprehensive List of Toxic Substances.
PB92-221373/REB 92-04 PC **A04**/MF **A01**

Multimedia Approaches to Pollution Control: A Symposium Proceedings.
PB92-223171/REB 92-04 PC **A08**/MF **A02**

Tracking Toxic Substances at Industrial Facilities: Engineering Mass Balance versus Materials Accounting.
PB92-223213/REB 92-04 PC **A09**/MF **A02**

Making It Work: Title 3 Compliance. The Public's Right-to-Know.
PB92-224690/REB 92-04 PC **A02**/MF **A01**

Title 3 on Indian Lands: A Guide to the Emergency Planning and Community Right-to-Know Act. (Technical Assistance Bulletin). Volume 10, Number 2.
PB92-224740/REB 92-04 PC **A03**/MF **A01**

Bibliography of Materials on the Emergency Planning and Community Right-to-Know Act (Title III of SARA).
PB92-224823/REB 92-04 PC **A03**/MF **A01**

Method 1624: Volatile Organic Compounds by Isotope Dilution GCMS; Method 1625: Semivolatile Organic Compounds by Isotope Dilution GCMS.
PB92-231976/REB 92-04 PC **A05**/MF **A01**

PA-Score (Preliminary Assessment Score), Version 1.0 (for Microcomputers).
PB92-500032/REB 92-01 CP **D02**

Toxic Substances Control Act (TSCA) Chemical Substances Inventory: Revised Inventory Synonym and Preferred Name File, January 1992.
PB92-501386/REB 92-01 CP **T05**

Organic Contract Compliance Screening System (OCCSS) Software (SOW February 1988) (for Microcomputers).
PB92-501501/REB 92-01 CP **D02**

Inorganic Contract Compliance Screening System (ICCSS) Software (SOW March 1990) (Version 1) (for Microcomputers).
PB92-501519/REB 92-01 CP **D02**

Organic Contract Compliance Screening System (OCCSS) Software (SOW March 1990) (Version 1) (for Microcomputers).
PB92-501527/REB 92-01 CP **D02**

Organic Contract Compliance Screening System (OCCSS) Software (SOW OLM01.8 Version January 1992) (Version 1) (for Microcomputers).
PB92-501535/REB 92-01 CP **D02**

PA-Score Software, Version 1.0. Users Manual and Tutorial.
PB92-963302/REB 92-01 PC **A04**/MF **A01**

ENVIRONMENTAL TOBACCO SMOKE

Intercomparison of Sampling Techniques for Nicotine in Indoor Environments.
PB92-110402/REB 92-01 PC **A02**/MF **A01**

Environmental Tobacco Smoke: Measuring Exposures and Assessing Health Effects.
PB92-223262/REB 92-04 PC **A15**/MF **A03**

ENVIRONMENTAL TRANSPORT

Effect of Sodium Chloride on Transport of Bacteria in a Saturated Aquifer Material.
PB92-110428/REB 92-01 PC **A02**/MF **A01**

Evaluation of Sorption Models in the Simulation of Naphthalene Transport Through Saturated Soils.
PB92-113190/REB 92-01 PC **A02**/MF **A01**

Facilitated Transport of Inorganic Contaminants in Ground Water: Part 2. Colloidal Transport.
PB92-114503/REB 92-01 PC **A03**/MF **A01**

Assessing UST Corrective Action Technology: A Scientific Evaluation of the Mobility of Organic Contaminants in Subsurface Environments.
PB92-114552/REB 92-01 PC **A16**/MF **A03**

Model of Virus Transport in Unsaturated Soil.
PB92-119957/REB 92-01 PC **A07**/MF **A02**

Modellierung und Simulation des Verhaltens von Umweltchemikalien in Boeden und Pflanzen (Modeling and Simulation of the Effect of (Environmental) Chemicals in Soil and in Plants).
PB92-143825/REB 92-01 PC **A02**/MF **A01**

Effects of pH, Solid/Solution Ratio, Ionic Strength, and Organic Acids on Pb and Cd Sorption on Kaolinite.
PB92-143981/REB 92-01 PC **A02**/MF **A01**

Concentration and Transport of Polychlorinated Biphenyls in the Housatonic River between Great Barrington, Massachusetts, and Kent, Connecticut, 1984-88.
PB92-147719/REB 92-01 PC **A03**/MF **A01**

Microbial Transport through Porpus Media: The Effects of Hydraulic Conductivity and Injection Velocity.
PB92-150465/REB 92-01 PC **A03**/MF **A01**

Field Testing Pesticide Transport Models at a Cooperative Test Site Near Plains, Georgia.
PB92-150473/REB 92-01 PC **A02**/MF **A01**

Inferences about Solute Transport in Macroporous Forest Soils from Time Series Models.
PB92-150572/REB 92-01 PC **A03**/MF **A01**

Bacterial Transport through Homogeneous Soil.
PB92-153329/REB 92-01 PC **A02**/MF **A01**

Observations of Transport of Trace Gases by Vigorous Convective Clouds.
PB92-158484/REB 92-01 PC **A02**/MF **A01**

Transport of Inorganic Colloids through Natural Aquifer Material: Implications for Contaminant Transport.
PB92-158690/REB 92-01 PC **A02**/MF **A01**

Stability and Transport of Inorganic Colloids through Contaminated Aquifer Material.
PB92-164839/REB 92-01 PC **A02**/MF **A01**

Preliminary Results of a Pesticide Leaching Study at Plains, Georgia.
PB92-166354/REB 92-01 PC **A02**/MF **A01**

Application of MINTEQA2 to the Speciation of Contaminants at Globe, Arizona.
PB92-166602/REB 92-01 PC **A02**/MF **A01**

Dense Nonaqueous Phase Liquids: A Workshop Summary. Held in Dallas, Texas on April 16-18, 1991.
PB92-178938/REB 92-01 PC **A05**/MF **A01**

Spatial Variability of Geochemical and Hydrologic Properties of Subsurface Materials in a Sand and Gravel Aquifer, Cape Cod, Massachusetts.
PB92-179126/REB 92-01 PC **A02**/MF **A01**

U.S. EPA's Global Climate Change Program: Landfill Emissions and Mitigation Research.
PB92-180215/REB 92-01 PC **A03**/MF **A01**

Evaluation of the Rackwitz-Fiessler Uncertainty Analysis Method for Environmental Fate and Transport Models.
PB92-188879/REB 92-01 PC **A03**/MF **A01**

Surfactant-Enhanced Solubilization of Tetrachloroethylene and Degradation Products in Pump and Treat Remediation.
PB92-191121/REB 92-01 PC **A03**/MF **A01**

Surface-Charge Repulsive Effects on the Mobility of Inorganic Colloids in Surface Systems. Annual Colloid and Surface Science Symposium (65th). Held in Norman, Oklahoma on June 17-19, 1991.
PB92-191139/REB 92-01 PC **A03**/MF **A01**

Exposure Assessment Modeling for Hydrocarbon Spills *into the Subsurface: Sensitivity to Soil Properties.*
PB92-191147/REB 92-01 PC **A03**/MF **A01**

*Landfill Leachate Effects on Transport of Organic Sub*stances in Aquifer Materials (Chapter 16).
PB92-198225/REB 92-04 PC **A03**/MF **A01**

Landfill Leachate Effects on Sorption of Organic Micropollutants onto Aquifer Materials.
PB92-198597/REB 92-04 PC **A03**/MF **A01**

Multiphase Chemical Transport in Porous Media.
PB92-205640/REB 92-04 PC **A03**/MF **A01**

Biomethylation and Environmental Transport of Metals.
PB92-206275/REB 92-04 PC **A02**/MF **A01**

Optimal Adaptive Local Grid Refinement Approach to Modeling Contaminant Transport.
PB92-217314/REB 92-04 PC **A03**/MF **A01**

Role of Property-Reactivity Relationships in Meeting the *EPA's Needs for Environmental Fate Constants.*
PB92-232941/REB 92-04 PC **A02**/MF **A01**

*Approach to Calculating Wind-Driven Currents and Trans*port of Substances in Unstratified Water Bodies Using Curvilinear Coordinates.
PB92-232966/REB 92-04 PC **A02**/MF **A01**

ENVIRONMENTS

Methods for the Detection of Microorganisms in the Environment.
PB92-137454/REB 92-01 PC **A06**/MF **A02**

ENZYME INDUCTION

Disposition of 2,3,7,8-Tetrabromodibenzo-p-Dioxin and 2,3,7,8-Tetrachlorodibenzo-p-dioxin in the Rat: Biliary Excretion and Induction of Cytochromes CYP1A1 and CYP1A2.
PB92-150747/REB 92-01 PC **A03**/MF **A01**

ENZYME INHIBITORS

New Action for Topoisomerase Inhibitors.
PB92-110451/REB 92-01 PC **A03**/MF **A01**

Polyploidy Induction as a Consequence of Topoisomerase Inhibition. A Flow Cytometric Assessment.
PB92-143866/REB 92-01 PC **A03**/MF **A01**

Prophage Induction by DNA Topoisomerase II Poisons and Reactive-Oxygen Species: Role of DNA Breaks.
PB92-195866/REB 92-01 PC **A03**/MF **A01**

ENZYME-LINKED IMMUNOSORBENT ASSAY

Measurement of Tyrosine Hydroxylase Apoenzyme Protein by Enzyme-Linked Immunosorbent Assay (ELISA): Effects of 1-Methyl-4-Phenyl-1,2,3,6-Tetrahydropyridine (MPTP) on Striatal Tyrosine Hydroxylase Activity and Content.
PB92-209345/REB 92-04 PC **A02**/MF **A01**

ENZYMES

2,4,5-Trichlorophenoxyacetic Acid Influence on 2,6-Dinitrotoluene-Induced Urine Genotoxicity in Fisher 344 Rats: Effect on Gastrointestinal Microflora and Enzyme Activity.
PB92-206309/REB 92-04 PC **A02**/MF **A01**

EPA METHOD 1624

Method 1624: Volatile Organic Compounds by Isotope Dilution GCMS; *Method 1625: Semivolatile Organic Com*pounds by Isotope Dilution GCMS.
PB92-231976/REB 92-04 PC **A05**/MF **A01**

EPA METHOD 1625

Method 1624: Volatile Organic Compounds by Isotope Dilution GCMS; Method 1625: Semivolatile Organic Compounds by Isotope Dilution GCMS.
PB92-231976/REB 92-04 PC **A05**/MF **A01**

EPA METHODS

Screening Methods for the Development of Air Toxics Emission Factors.
PB92-108778/REB 92-01 PC **A20**/MF **A04**

EPIDEMIOLOGY

Assessment of Spatial Variation of Risks in Small Populations.
PB92-188903/REB 92-01 PC **A03**/MF **A01**

Transactions: Tropospheric Ozone and the Environment. Papers from an International Conference.
PB92-217017/REB 92-04 PC **A03**/MF **A01**

Relative Mesothelioma Induction in Rats by Mineral Fibers: Comparison with Residual Pulmonary Mineral Fiber Number and Epidemiology.
PB92-233014/REB 92-04 PC **A03**/MF **A01**

EPIDERMAL GROWTH FACTOR-UROGASTRONE

Comparisons of the Effects of TCDD and Hydrocortisone on Growth Factor Expression Provide Insight into Their Interaction in the Embryonic Mouse Palate.
PB92-158641/REB 92-01 PC **A03**/MF **A01**

EPIDIDYMIS

Computer-Assisted Sperm Analysis of Rodent Epididymal Sperm Motility Using the Hamilton-Thorn Motility Analyzer.
PB92-165000/REB 92-01 PC **A03**/MF **A01**

EQUATORIAL PACIFIC OCEAN

Effects of El Nino and La Nina on Seabird Assemblages in the Equatorial Pacific.
PB92-217405/REB 92-04 PC **A03**/MF **A01**

EQUILIBRIUM PARTITIONING

Technical Basis for Establishing Sediment Quality Criteria for Nonionic Organic Chemicals Using Equilibrium Partitioning. Annual Review.
PB92-129642/REB 92-01 PC **A03**/MF **A01**

ERROR ANALYSIS

Problems Associated with Published Environmental Fate Data.
PB92-101666/REB 92-01 PC **A03**/MF **A01**

ESCHERICHIA COLI

Serological Cross-Reactions between 'Escherichia coli' O157 and other Species of the Genus 'Escherichia'.
PB92-180306/REB 92-01 PC **A01**/MF **A01**

Effect of the Method of Preparing Monochloramine upon Inactivation of MS2 Coliphage, 'Escherichia coli', and 'Klebsiella pneumoniae'.
PB92-217355/REB 92-04 PC **A02**/MF **A01**

Searching for a Water Supply Connection in the Cabool, Missouri Disease Outbreak of 'Escherichia coli' 0157:H7.
PB92-235662/REB 92-04 PC **A03**/MF **A01**

ESTIMATING

Solvent Use Emissions Estimation Methodologies: Future Implications.
PB92-150440/REB 92-01 PC **A03**/MF **A01**

ESTRUS

Monitoring of the Estrous Cycle in the Laboratory Rodent by Vaginal Lavage.
PB92-179068/REB 92-01 PC **A03**/MF **A01**

ESTUARIES

Bioaccumulation of Contaminants in Crabs and Clams in Bellingham Bay.
PB92-166867/REB 92-01 PC **A03**/MF **A01**

Technical Guidance Manual for Performing Waste Load Allocations. Book 3: Estuaries. Part 1: Estuaries and Waste Load Allocation Models.
PB92-231729/REB 92-04 PC **A05**/MF **A01**

Technical Guidance Manual for Performing Waste Load Allocations. Book 3: Estuaries. Part 2: Application of Estuarine Waste Load Allocation Models.
PB92-231737/REB 92-04 PC **A06**/MF **A02**

Technical Guidance Manual for Performing Waste Load Allocations. Book 3: Estuaries. Part 3: Use of Mixing Zone Models in Estuarine Waste Load Allocations.
PB92-231745/REB 92-04 PC **A03**/MF **A01**

Technical Guidance Manual for Performing Waste Load Allocations. Book 3: Estuaries. Part 4: Critical Review of Estuarine WLA Modeling.
PB92-231752/REB 92-04 PC **A04**/MF **A01**

National Estuary Program After Four Years: A Report to Congress.
PB92-233154/REB 92-04 PC **A06**/MF **A02**

ESTUARINE ENVIRONMENT

Example Environmental Assessment Report for Estuaries.
PB92-102656/REB 92-01 PC **A04**/MF **A01**

ESTUARINES

Technical Support Manual: Waterbody Surveys and Assessments for Conducting Use Attainability Analyses. Volume 2: Estuarine Systems.
PB92-231877/REB 92-04 PC **A09**/MF **A02**

ETHALFLURALIN

Ethalfluralin Position Document 1/2/3/4.
PB92-114263/REB 92-01 PC **A02**/MF **A01**

ETHANE/DICHLORO-FLUORO

Thermophysical Properties of Gaseous Refrigerants from Speed-of-Sound Measurements. 2. Results for 1,1-dichloro-1-fluoroethane (CCl2FCH3).
PB92-154277 92-01 Not available NTIS

ETHANE DIMETHANESULFONATE

Immature Rat Leydig Cells are Intrinsically Less Sensitive Than Adult Leydig Cells to Ethane Dimethanesulfonate.
PB92-232842/REB 92-04 PC **A03**/MF **A01**

ETHANE/TRICHLORO

Degreaser System Pollution Prevention Evaluation.
AD-A242 110/5/REB 92-01 PC **A06**/MF **A02**

Drinking Water Criteria Document for 1,1,2-Trichloroethane.
PB92-173509/REB 92-01 PC **A05**/MF **A01**

ETHERS

Advanced Emission Speciation Methodologies for the Auto/Oil Air Quality Improvement Research Program. 1. Hydrocarbons and Ethers.
PB92-166784/REB 92-01 PC **A03**/MF **A01**

Vapor Pressures, Liquid Molar Volumes, Vapor Non-Idealities, and Critical Properties of Some Fluorinated Ethers: CF3OCF2OCF3, CF3OCF2CF2H, c-CF2CF2CF2O, CF3OCF2H, and CF3OCH3; and of CCl3F and CF2ClH.
PB92-179746/REB 92-01 PC **A03**/MF **A01**

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Biotransformation of CIS-1,2-Dichloroethylene in Aquifer Material from Picatinny Arsenal, Morris County, New Jersey.
PB92-179100/REB 92-01 PC **A03**/MF **A01**

ETHYLENE OXIDE

Review of the Mutagenicity of Ethylene Oxide.
PB92-124569/REB 92-01 PC **A03**/MF **A01**

Pesticide Fact Sheet Number 234: Ethylene Oxide (EtO).
PB92-185859/REB 92-01 PC **A02**/MF **A01**

ETHYLENE/TRICHLORO

Performance Characterization of a Model Bioreactor for the Biodegradation of Trichloroethylene by 'Pseudomonas cepacia' G4.
PB92-129717/REB 92-01 PC **A02**/MF **A01**

Reductive Dechlorination of Trichloroethylene in Anoxic Aquifer Material from Picatinny Arsenal, New Jersey.
PB92-179019/REB 92-01 PC **A02**/MF **A01**

TCE Removal from Contaminated Soil and Ground Water. Ground Water Issue.
PB92-224104/REB 92-04 PC **A03**/MF **A01**

EUROPE

Acidic Episodes in Surface Waters in Europe.
PB92-188853/REB 92-01 PC **A03**/MF **A01**

European Packaging Initiatives: Leading the Way on Source Reduction.
PB92-206242/REB 92-04 PC **A02**/MF **A01**

EVAPORATION

Evaporation Rate of Volatile Liquids. Final Report, Second Edition.
PB92-232305/REB 92-04 PC **A09**/MF **A02**

EVERETT BAY

Sampling and Analysis Design for Development of Everett Harbor Action Program.
PB92-166875/REB 92-01 PC **A04**/MF **A01**

EVERETT HARBOR ACTION PROGRAM

Sampling and Analysis Design for Development of Everett Harbor Action Program.
PB92-166875/REB 92-01 PC **A04**/MF **A01**

EVOKED POTENTIALS

Use of Visual and Chemosensory Evoked Potentials in Environmental and Occupational Health.
PB92-217041/REB 92-04 PC **A03**/MF **A01**

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Nonroad Engine and Vehicle Emission Study-Report and Appendixes.
PB92-104462/REB 92-01 PC **A20**/MF **A04**

Fuel Volatility Effects on Exhaust Emissions.
PB92-110014/REB 92-01 PC **A03**/MF **A01**

Improvement in the Diagnostic Potential of (32)P-Postlabeling Analysis Demonstrated by the Selective Formation and Comparative Analysis of Nitrated-PAH-Derived Adducts Arising from Diesel Particle Extracts.
PB92-110485/REB 92-01 PC **A02**/MF **A01**

Source Reconciliation of Ambient Volatile Organic Compounds Measured in the Atlanta 1990 Summer Study: The Mobile Source Component.
PB92-124130/REB 92-01 PC **A03**/MF **A01**

Nonroad Engine and Vehicle Emission Study-Report.
PB92-126960/REB 92-01 PC **A24**/MF **A04**

Identification and Characterization of Missing or Unaccounted for Area Source Categories.
PB92-139377/REB 92-01 PC **A15**/MF **A03**

Conceptual Design Issues: Developing a New Highway Vehicle Emissions Estimation Methodology.
PB92-139450/REB 92-01 PC **A02**/MF **A01**

Effects of RVP on Emissions at 20F Ambient Temperature.
PB92-143684/REB 92-01 PC **A03**/MF **A01**

Emissions and Fuel Economy of DOE Flex-Fuel Vehicles.
PB92-153055/REB 92-01 PC **A03**/MF **A01**

Technology for Reduction of CO2 Emissions from the Transportation Sector.
PB92-153733/REB 92-01 PC **A03**/MF **A01**

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PB92-164961/REB 92-01 PC **A03**/MF **A01**

Composition of Motor Vehicle Organic Emissions under Elevated Temperature Summer Driving Conditions (75 to 105 deg F).
PB92-166693/REB 92-01 PC **A02**/MF **A01**

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PB92-166784/REB 92-01 PC **A03**/MF **A01**

14C Source Apportionment Technique Applied to Wintertime Urban Aerosols and Gases for the EPA Integrated Air Cancer Project.
PB92-171370 92-01 Not available NTIS

Evaluation of a Schatz Heat Battery on a Flexible-Fueled Vehicle. Phase 2.
PB92-204585/REB 92-04 PC **A03**/MF **A01**

Advanced Emissions Speciation Methodologies for the Auto/Oil Air Quality Improvement Research Program. 2. Aldehydes, Ketones, and Alcohols.
PB92-206523/REB 92-04 PC **A03**/MF **A01**

Procedures for Emission Inventory Preparation. Volume 4: Mobile Sources.
PB92-209386/REB 92-04 PC **A11**/MF **A03**

Feasibility of Including Regional and Temporal VOC Emissions Estimates in the EPA Emissions Trends Report.
PB92-216910/REB 92-04 PC **A04**/MF **A01**

Natural Gas Vehicle Challenge: EPA Emissions and Fuel Economy Testing, 1992.
PB92-217926/REB 92-04 PC **A04**/MF **A01**

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Computerized Risk and Bioaccumulation System (Version 1.0).
PB92-114164/REB 92-01 PC **A03**/MF **A01**

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PB92-124254/REB 92-01 PC **A02**/MF **A01**

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PB92-152941/REB 92-01 PC **A02**/MF **A01**

AL and the Environment: Knowledge-Based Tools for Environmental Decision Makers.
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PB92-206515/REB 92-04 PC **A02**/MF **A01**

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Development Document for Interim Final Effluent Limitations Guidelines and Proposed New Source Performance Standards for the Explosives Manufacturing. Point Source Category. Group 2.
PB92-231950/REB 92-04 PC **A11**/MF **A03**

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Osmoregulatory Failure and Death of First-Year Largemouth Bass 'Micropterus salmoides' Exposed to Low pH and Elevated Aluminum, at Low Temperatures in Soft Water.
PB92-205236/REB 92-04 PC **A03**/MF **A01**

Dermal Exposure Assessment: Principles and Applications.
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Environmental Tobacco Smoke: Measuring Exposures and Assessing Health Effects.
PB92-223262/REB 92-04 PC **A15**/MF **A03**

Protein Adducts for Exposure Monitoring: A Computerized Database (CPAD) (Version 1) (for Microcomputers).
PB92-501873/REB 92-01 CP **D02**

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Meteorological and Site Influences Affecting the Comparison of Nephelometer and Photographic Determinations of Light Extinction at Rural Sites in the Eastern United States.
PB92-195999/REB 92-01 PC **A03**/MF **A01**

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PB92-108141/REB 92-01 PC **A02**/MF **A01**

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PB92-233089/REB 92-04 PC **A01**/MF **A01**

Evaluation of Ground-Water Extraction Remedies: Phase 2. Volume 1. Summary Report.
PB92-963346/REB 92-04 PC **A03**/MF **A01**

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PB92-963347/REB 92-04 PC **A19**/MF **A04**

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PB92-203496/REB 92-04 PC **A11**/MF **A03**

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PB92-192137/REB 92-01 PC **A02**/MF **A01**

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PB92-196393/REB 92-04 PC **A02**/MF **A01**

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PB92-140219/REB 92-01 PC **A12**/MF **A03**

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PB92-964002/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 4): Smith's Farm Site (First Operable Unit), Bullitt County, Brooks, KY. (First Remedial Action), (Amendment), September 1991.
PB92-964006/REB 92-01 PC **A10**/MF **A03**

Superfund Record of Decision (EPA Region 4): USA Anniston Army Depot, (Groundwater Operable Unit), Calhoun County, Anniston, AL. (First Remedial Action), September 1991.
PB92-964010/REB 92-01 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 4): Wrigley Charcoal Site, Hickman County, Wrigley, TN. (First Remedial Action), September 1991.
PB92-964011/REB 92-01 PC **A08**/MF **A02**

Superfund Record of Decision (EPA Region 4): Oak Ridge Reservation (USDOE), (Operable Unit 2), Oak Ridge, TN. (First Remedial Action), June 1991.
PB92-964013/REB 92-01 PC **A03**/MF **A01**

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PB92-964019/REB 92-04 PC **A03**/MF **A01**

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PB92-964112/REB 92-01 PC **A04**/MF **A01**

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PB92-964137/REB 92-04 PC **A03**/MF **A01**

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PB92-964401/REB 92-01 PC **A03**/MF **A01**

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Superfund Record of Decision (EPA Region 7): Ellisville Area Site, St. Louis County, Ellisville, MO. (First Remedial Action), (Amendment), September 1991.
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PB92-963917/REB 92-01 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 5): Novaco Industries, MI. (First Remedial Action), (Amendment), September 1991.
PB92-964104/REB 92-01 PC **A03**/MF **A01**

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PB92-964114/REB 92-01 PC **A03**/MF **A01**

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PB92-963901/REB 92-01 PC **A04**/MF **A01**

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PB92-963909/REB 92-01 PC **A03**/MF **A01**

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PB92-963919/REB 92-01 PC **A05**/MF **A01**

Superfund Record of Decision (EPA Region 4): Tri-City Industrial Disposal Site, Bullitt County, Brooks, KY. (First Remedial Action), August 1991.
PB92-964004/REB 92-01 PC **A14**/MF **A03**

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PB92-964111/REB 92-01 PC **A05**/MF **A01**

Superfund Record of Decision (EPA Region 5): Enviro-Chem (Northside Sanitary Landfill), Zionsville, IN. (First Remedial Action), (Amendment), June 1991.
PB92-964116/REB 92-01 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 5): Summit National Liquid Disposal Service, Deerfield, OH. (First Remedial Action), (Amendment), November 1990.
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Superfund Record of Decision (EPA Region 5): Buckeye Reclamation Landfill Site, Belmont County, OH. (First Remedial Action), August 1991.
PB92-964123/REB 92-04 PC **A06**/MF **A02**

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PB92-964136/REB 92-04 PC **A08**/MF **A02**

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PB92-964138/REB 92-04 PC **A04**/MF **A01**

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PB92-964301/REB 92-01 PC **A05**/MF **A01**

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PB92-964407/REB 92-04 PC **A06**/MF **A02**

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PB92-129691/REB 92-01 PC **A01**/MF **A01**

Fish Communities in Lakes in Subregion 2B (Upper Peninsula of Michigan) in Relation to Lake Acidity. Volume 1 and Volume 2: Appendices. Data Tape Documentation.
PB92-169630/REB 92-04 PC **A11**/MF **A03**

Fish and Chemistry Data for the Upper Peninsula of Michigan Report (for Microcomputers).
PB92-503085/REB 92-04 CP **D02**

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Chesapeake Bay Striped Bass Fishery Management Plan: Chesapeake Bay Program. Annual Progress Report from the Chesapeake Executive Council.
PB92-186428/REB 92-01 PC **A03**/MF **A01**

Chesapeake Bay Bluefish Fishery Management Plan. Chesapeake Bay Program Agreement Commitment Report.
PB92-186436/REB 92-01 PC **A04**/MF **A01**

Chesapeake Bay Weakfish and Spotted Seatrout Fishery Management Plan: An Agreement Commitment Report from the Chesapeake Executive Council.
PB92-186477/REB 92-01 PC **A03**/MF **A01**

Comparative Acute Sensitivity of Larval Topsmelt, 'Atherinops affinis', and Inland Silverside, 'Menidia beryllina', to 11 Chemicals.
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PB92-169655/REB 92-04 PC **A06**/MF **A02**

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PB92-179142/REB 92-01 PC **A03**/MF **A01**

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PB92-180405/REB 92-01 PC **A03**/MF **A01**

Consumption Surveys for Fish and Shellfish. A Review and Analysis of Survey Methods.
PB92-231539/REB 92-04 PC **A04**/MF **A01**

Special Interest Group (SIG) Forum for Fish Consumption Risk Management. User's Manual, v.1.0: A Division of the Nonpoint Source Information Exchange Computer Bulletin Board System (NPS BBS).
PB92-231687/REB 92-04 PC **A04**/MF **A01**

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PB92-503119/REB 92-04 CP **D02**

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PB92-198258/REB 92-01 PC **A03**/MF **A01**

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PB92-120450/REB 92-01 PC **A03**/MF **A01**

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QAQPS Control Cost Manual (Fourth Edition). Supplement 1.
PB92-137181/REB 92-01 PC **A05**/MF **A01**

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PB92-153055/REB 92-01 PC **A03**/MF **A01**

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Carpet Policy Dialogue. Compendium Report, September 27, 1991.
PB92-115005/REB 92-01 PC **A99**/MF **A06**

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Recommended Sub-Slab Depressurization Systems Design Standard of the Florida Radon Research Program.
PB92-105626/REB 92-01 PC **A03**/MF **A01**

Proceedings of the Workshop on Radon Potential Mapping, Florida Radon Research Program. Held in Gainesville, Florida on April 20, 1990.
PB92-115278/REB 92-01 PC **A04**/MF **A01**

Recommended HVAC Standard of the Florida Radon Research Program.
PB92-147909/REB 92-01 PC **A03**/MF **A01**

Radon Pressure Differential Project, Phase 1, Florida Radon Research Program.
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PB92-963250/REB 92-01 PC **A08**/MF **A02**

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PB92-179936/REB 92-01 PC **A03**/MF **A01**

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PB92-113026/REB 92-01 PC **A07**/MF **A02**

Cleaning of Flue Gases from Waste Combustors, 1990.
PB92-121300/REB 92-01 PC **A03**/MF **A01**

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PB92-153881/REB 92-01 PC **A03**/MF **A01**

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PB92-139468/REB 92-01 PC **A03**/MF **A01**

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PB92-206507/REB 92-04 PC **A03**/MF **A01**

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PB92-150622/REB 92-01 PC **A02**/MF **A01**

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PB92-108000/REB 92-01 PC **A03**/MF **A01**

Increased Reproduction by Mysids ('Mysidopsis bahia') Fed with Enriched 'Artemia' spp. Nauplii.
PB92-108034/REB 92-01 PC **A02**/MF **A01**

FOOD CONSUMPTION
Consumption Surveys for Fish and Shellfish. A Review and Analysis of Survey Methods.
PB92-231539/REB 92-04 PC **A04**/MF **A01**

Special Interest Group (SIG) Forum for Fish Consumption Risk Management. User's Manual, v.1.0: A Division of the Nonpoint Source Information Exchange Computer Bulletin Board System (NPS BBS).
PB92-231687/REB 92-04 PC **A04**/MF **A01**

FOOD INDUSTRY
Assessment of VOC Emissions and Their Control from Baker's Yeast Manufacturing Facilities.
PB92-145408/REB 92-01 PC **A04**/MF **A01**

Development Document for Interim Final Effluent Limitations Guidelines and Proposed New Source Performance Standards for the Raw Cane Sugar Processing. Segment of the Sugar Processing. Point Source Category. Group 1, Phase 2.
PB92-231968/REB 92-04 PC **A14**/MF **A03**

Development Document for Interim Final and Proposed Effluent Limitations Guidelines and New Source Performance Standards for the Fruits, Vegetables and Specialties. Segment of the Canned and Preserved Fruits and Vegetables. Point Source Category.
PB92-232065/REB 92-04 PC **A23**/MF **A04**

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Supplement of Development Document Effluent Limitations, Guidelines New Source Performance Standards Reprint for the Renderer Segment of the Meat Products and Rendering. Point Source Category.
PB92-232008/REB 92-04 PC **A04**/MF **A01**

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Protection of Stored Grains, 1979-April 1991. Citations from AGRICOLA Concerning Diseases and Other Environmental Considerations.
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DE92614732/REB 92-01 PC **A03**/MF **A01**

Carbonate Equilibria and Groundwater Sample Collection: Implications for Estimated Average Subsurface Properties in Continental North America.
PB92-101690/REB 92-01 PC **A03**/MF **A01**

Modellierung und Simulation des Verhaltens von Umweltchemikalien in Boeden und Pflanzen (Modeling and Simulation of the Effect of (Environmental) Chemicals in Soil and in Plants).
PB92-143825/REB 92-01 PC **A02**/MF **A01**

Reclamation and Redevelopment of Contaminated Land. Volume 2. European Case Studies.
PB92-146166/REB 92-01 PC **A13**/MF **A03**

How Much Acidification Has Occurred in Adirondack Region Lakes (New York, USA) since Preindustrial Times.
PB92-180371/REB 92-01 PC **A03**/MF **A01**

European Packaging Initiatives: Leading the Way on Source Reduction.
PB92-206242/REB 92-04 PC **A02**/MF **A01**

Human Carcinogenesis by Arsenic.
PB92-227578/REB 92-04 PC **A02**/MF **A01**

New Methods for the Assessment of Immunotoxicity of Chemical Substances.
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PB92-118447/REB 92-01 PC **A06**/MF **A02**

Monitoring and Research Strategy for Forests-Environmental Monitoring and Assessment Program.
PB92-146208/REB 92-01 PC **A09**/MF **A02**

FOREST HEALTH MONITORING PROJECT
Forest Health Monitoring, New England, 1990. Annual Report.
PB92-113018/REB 92-01 PC **A07**/MF **A02**

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Forest Soil Response to Acid and Salt Additions of Sulfate. 1. Sulfur Constituents and Net Retention.
PB92-108182/REB 92-01 PC **A03**/MF **A01**

Forest Soil Response to Acid and Salt Additions of Sulfate: 2. Aluminum and Base Cations.
PB92-150549/REB 92-01 PC **A03**/MF **A01**

Sulfate Retention and Cation Leaching of Forest Soils in Response to Acid Additions.
PB92-153394/REB 92-01 PC **A03**/MF **A01**

FOREST MANAGEMENT
Monitoring Guidelines to Evaluate Effects of Forestry Activities on Streams in the Pacific Northwest and Alaska.
PB92-104520/REB 92-01 PC **A09**/MF **A02**

Forest Health Monitoring, New England, 1990. Annual Report.
PB92-113018/REB 92-01 PC **A07**/MF **A02**

Can Intensive Management Increase Carbon Storage in Forests.
PB92-113224/REB 92-01 PC **A02**/MF **A01**

Assessment of Promising Forest Management Practices and Technologies for Enhancing the Conservation and Sequestration of Atmospheric Carbon and Their Costs at the Site Level.
PB92-122787/REB 92-01 PC **A08**/MF **A02**

Global Assessment of Promising Forest Management Practices for Sequestration of Carbon.
PB92-153006/REB 92-01 PC **A03**/MF **A01**

What Is the Potential of Forest Management to Slow the Increase of Atmospheric CO2.
PB92-180249/REB 92-01 PC **A03**/MF **A01**

FOREST SOILS
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PB92-150556/REB 92-01 PC **A03**/MF **A01**

Forest Soil Response to Acid and Salt Additions of Sulfate: 3. Solubilization and Composition of Dissolved Organic Carbon.
PB92-150564/REB 92-01 PC **A03**/MF **A01**

FOREST TREES
Forest Health Monitoring, New England, 1990. Annual Report.
PB92-113018/REB 92-01 PC **A07**/MF **A02**

Preface and Introduction to 'The Response of Western Forests to Air Pollution'.
PB92-143833/REB 92-01 PC **A02**/MF **A01**

Nutrient Leaching from Conifer Needles in Relation to Foliar Apoplast Cation Exchange Capacity.
PB92-153378/REB 92-01 PC **A02**/MF **A01**

Western Forests and Air Pollution.
PB92-198209/REB 92-04 PC **A22**/MF **A04**

Comprehensive List of Chesapeake Bay Basin Species.
PB92-222850/REB 92-04 PC **A07**/MF **A02**

FORESTRY
Patch Size of Forest Openings and Arthropod Populations.
PB92-108158/REB 92-01 PC **A03**/MF **A01**

Proceedings of the International Workshop on Large-Scale Reforestation, Held in Corvallis, Oregon on May 9-10, 1990.
PB92-109131/REB 92-01 PC **A08**/MF **A02**

Forest Health Monitoring Plot Design and Logistics Study.
PB92-118447/REB 92-01 PC **A06**/MF **A02**

Monitoring and Research Strategy for Forests-Environmental Monitoring and Assessment Program.
PB92-146208/REB 92-01 PC **A09**/MF **A02**

Design Issues for Evaluating Seedling Exposure Studies.
PB92-153014/REB 92-01 PC **A02**/MF **A01**

Potential Impacts of Climate Change on Pacific Northwest Forest Vegetation.
PB92-184985/REB 92-01 PC **A03**/MF **A01**

Carbon Storage Potential of Short Rotation Tropical Tree Plantations.
PB92-232891/REB 92-04 PC **A03**/MF **A01**

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Role of Climate in Forest Monitoring and Assessment: A New England Example.
PB92-132885/REB 92-01 PC **A06**/MF **A02**

Summary, Projections, and Recommendations. (Chapter 13).
PB92-152990/REB 92-01 PC **A03**/MF **A01**

Sulfur Dynamics of Forest Ecosystems.
PB92-153048/REB 92-01 PC **A04**/MF **A01**

Pollution Impacts at the Stand and Ecosystem Levels.
PB92-179027/REB 92-01 PC **A03**/MF **A01**

Methods of Assessing Responses of Trees, Stands and Ecosystems to Air Pollution (Chapter 7).
PB92-180231/REB 92-01 PC **A04**/MF **A01**

FORMALDEHYDE
Urban Air Toxics Monitoring Program Carbonyl Results, 1990.
PB92-110030/REB 92-01 PC **A07**/MF **A02**

FOUNDATIONS
Recommended Foundation Fill Materials Construction Standard of the Florida Radon Research Program.
PB92-105865/REB 92-01 PC **A03**/MF **A01**

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Alternative Control Techniques Document: For PM-10 Emissions from Ferrous Foundries.
PB92-180017/REB 92-01 PC **A07**/MF **A02**

FOURIER TRANSFORM INFRARED SPECTROSCOPY
Evaluation of the Fourier Transform Infrared Spectrometer for Particle-Associated Ammonium Sulfate Determination.
PB92-160084/REB 92-01 PC **A04**/MF **A01**

FOURIER TRANSFORMATION
Evaluation of the Fourier Transform Infrared Spectrometer for Particle-Associated Ammonium Sulfate Determination.
PB92-160084/REB 92-01 PC **A04**/MF **A01**

FRANKLIN COUNTY (PENNSYLVANIA)
Superfund Record of Decision (EPA Region 3): USA Letterkenny - PDO, Chambersburg, PA. (First Remedial Action), August 1991.
PB92-963910/REB 92-01 PC **A03**/MF **A01**

FRANKLIN COUNTY (TENNESSEE)
Protecting Endangered Species: Interim Measures, Franklin County, Tennessee.
PB92-231091/REB 92-04 PC **A01**/MF **A01**

FREE RADICALS
Application of the EPR Spin-Trapping Technique to the Detection of Radicals Produced in vivo during Inhalation Exposure of Rats to Ozone.
PB92-227412/REB 92-04 PC **A02**/MF **A01**

FREEZE DRYING
Interim Protocol for the Evaluation of Survival of Genetically Engineered Microorganisms by Simulating the Aerial Environment Using a Freeze-Drying Procedure.
PB92-217470/REB 92-04 PC **A03**/MF **A01**

FREEZERS
Review of Energy Efficiency of Refrigerator/Freezer Gaskets.
PB92-106913/REB 92-01 PC **A03**/MF **A01**

EPA's Research Projects Relating to the Dual-Circuit and Lorenz Refrigerator/Freezers.
PB92-150630/REB 92-01 PC **A01**/MF **A01**

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Experimental Investigation of PIC Formation in CFC Incineration.
PB92-150432/REB 92-01 PC **A02**/MF **A01**

Mobile Air-Conditioning Recycling Manual.
PB92-235688/REB 92-04 PC **A08**/MF **A02**

FRESH WATER
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PB92-129675/REB 92-01 PC **A03**/MF **A01**

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PB92-195890/REB 92-01 PC **A02**/MF **A01**

FRESHWATER NEUSTONS
Heterotrophic Bacteria of the Freshwater Neuston and Their Ability to Act as Plasmid Recipients under Nutrient Deprived Conditions.
PB92-129766/REB 92-01 PC **A03**/MF **A01**

FRESNO COUNTY (CALIFORNIA)
Superfund Record of Decision (EPA Region 9): Atlas Asbestos Mine, Fresno County, CA. (Second Remedial Action), February 1991.
PB92-964510/REB 92-01 PC **A07**/MF **A02**

FROGS
Developmental Malformation of Frog Embryos: An Analysis of Teratogenicity of Chemical Mixtures.
PB92-108190/REB 92-01 PC **A02**/MF **A01**

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PB92-121235/REB 92-01 PC **A03**/MF **A01**

FUEL CELLS FUELS
Demonstration of Fuel Cells to Recover Energy from Landfill Gas. Phase 1 Final Report: Conceptual Study.
PB92-137520/REB 92-01 PC **A05**/MF **A01**

FUEL CONSUMPTION
Second EPA Evaluation of the Platinum Gasaver Device under Section 511 of the Motor Vehicle Information and Cost Savings Act (Updated).
PB92-104413/REB 92-01 PC **A03**/MF **A01**

Emissions and Fuel Economy of DOE Flex-Fuel Vehicles.
PB92-153055/REB 92-01 PC **A03**/MF **A01**

FUEL ECONOMY
Emissions and Fuel Economy Effects of the Platinum Gasaver, a Retrofit Device.
PB92-104421/REB 92-01 PC **A03**/MF **A01**

Natural Gas Vehicle Challenge: EPA Emissions and Fuel Economy Testing, 1992.
PB92-217926/REB 92-04 PC **A04**/MF **A01**

FUEL OIL
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PB92-104512/REB 92-01 PC **A07**/MF **A02**

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PB92-195961/REB 92-01 PC **A03**/MF **A01**

FUELS
Full-Scale Laboratory Simulation Facility to Test Particulate and Organic Emissions from a Third World Residential Combustion Process. 1. Facility Description and Results of Tests of Three Rural China Residential Coals, a U.S. Coal, and Wood.
PB92-206598/REB 92-04 PC **A03**/MF **A01**

FUGITIVE EMISSIONS
Control of VOC Emissions from Nonferrous Metal Rolling Processes.
PB92-227677/REB 92-04 PC **A05**/MF **A01**

FULLERTON (CALIFORNIA)
Technology Evaluation Report: Site Program Demonstration of a Trial Excavation at the McColl Superfund Site.
PB92-226448/REB 92-04 PC **A10**/MF **A03**

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PB92-179811/REB 92-01 PC **A02**/MF **A01**

Protocol for Testing the Effects of Fungal Pesticides on Nontarget Beetles Using 'Hippodamia convergens' (Coleoptera: Coccinellidae).
PB92-217488/REB 92-04 PC **A03**/MF **A01**

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PB92-114289/REB 92-01 PC **A01**/MF **A01**

RED Facts: Fosetyl-Al (Aliette).
PB92-114321/REB 92-01 PC **A02**/MF **A01**

Reregistration Eligibility Document (RED): Fosetyl-Al (Aliette).
PB92-114339/REB 92-01 PC **A04**/MF **A01**

Discriminative Stimulus Properties of Tradimefon: Comparison with Methylphenidate.
PB92-143882/REB 92-01 PC **A02**/MF **A01**

Effects of Tradimefon on a Multiple Schedule of Fixed-Interval Performance: Comparison with Methylphenidate, d-Amphetamine and Chlorpromazine.
PB92-143932/REB 92-01 PC **A02**/MF **A01**

Fungicide Benomyl(Methyl 1-(Butylcarbamoyl)-2-Benzimidazolecarbamate) Causes Testicular Dysfunction by Inducing the Sloughing of Germ Cells and Occlusion of Efferent Ductules.
PB92-150796/REB 92-01 PC **A03**/MF **A01**

Developmental Effects of Methyl Benzimidazolecarbamate Following Exposure during Early Pregnancy.
PB92-164862/REB 92-01 PC **A02**/MF **A01**

Use of the Fungicide Carbendazim as a Model Compound to Determine the Impact of Acute Chemical Exposure during Oocyte Maturation and Fertilization on Pregnancy Outcome in the Hamster.
PB92-206416/REB 92-04 PC **A02**/MF **A01**

FURANONES
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PB92-164938/REB 92-01 PC **A02**/MF **A01**

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PB92-132786/REB 92-01 PC **A05**/MF **A01**

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PB92-195961/REB 92-01 PC **A03**/MF **A01**

Retech, Inc., Plasma Centrifugal Furnace: Applications Analysis Report.
PB92-231315/REB 92-04 PC **A04**/MF **A01**

FURNITURE
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PB92-217256/REB 92-04 PC **A01**/MF **A01**

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PB92-180207/REB 92-01 PC **A02**/MF **A01**

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GAS ANALYSIS
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Open Path Ambient Measurements of Pollutants with a DOAS System.
PB92-192160/REB 92-01 PC **A02**/MF **A01**

Advanced Emissions Speciation Methodologies for the Auto/Oil Air Quality Improvement Research Program. 2. Aldehydes, Ketones, and Alcohols.
PB92-206523/REB 92-04 PC **A03**/MF **A01**

Characterization of Condensible and Semivolatile Organic Materials from Boise Woodstove Samples.
PB92-206606/REB 92-04 PC **A03**/MF **A01**

Compendium of ERT Field Analytical Procedures.
PB92-963405/REB 92-04 PC **A05**/MF **A01**

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PB92-150598/REB 92-01 PC **A02**/MF **A01**

Evaluation of Gas Chromatography/Matrix Isolation Infrared Spectrometry for the Determination of Semivolatile Organic Compounds in Air Sample Extracts.
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Evaluation of VOST and SemiVOST Methods for Halogenated Compounds in the Clean Air Act Amendments Title III, Bench and Laboratory Studies.
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Gas Chromatographic Elution Patterns of Chlorinated Dioxins versus Column Polarity.
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GAS COMPOSITION
Variable Phase Function Approach for the Inversion of Lidar Return Signals.
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(Order as N92-31013/5/REB, PC **A16**/MF **A03**)

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Fuel Cell Energy Recovery from Landfill Gas.
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GASTROINTESTINAL SYSTEM
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PB92-164938/REB 92-01 PC **A02**/MF **A01**

2,4,5-Trichlorophenoxyacetic Acid Influence on 2,6-Dinitrotoluene-Induced Urine Genotoxicity in Fisher 344 Rats: Effect on Gastrointestinal Microflora and Enzyme Activity.
PB92-206309/REB 92-04 PC **A02**/MF **A01**

GENE EXPRESSION
Myelin Basic Protein-Messenger RNA (MBP-mRNA) Expression during Triethyltin-Induced Myelin Edema.
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Cloning and Expression of a Lignin Peroxidase Gene from 'Streptomyces viridosporus' in 'Streptomyces lividans'.
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Land-Surface Hydrology Parameterization with Subgrid Variability for General Circulation Models.
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GENERAL DYNAMICS POMONA DIVISION
Evaluation of Five Waste Minimization Technologies at the General Dynamics Pomona Division Plant.
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Genetic Activity Profile Database.
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Technique for Screening and Maintaining Smaller Genomic Libraries.
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Interim Protocol for the Evaluation of Survival of Genetically Engineered Microorganisms by Simulating the Aerial Environment Using a Freeze-Drying Procedure.
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GENETIC RECOMBINATION
Selection Kinetics during Serial Cell Culture Passage of Mixtures of Wild-Type 'Autographa californica' Nuclear Polyhedrosis Virus and Its Recombinant Ac360-Beta-gal.
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Generation of Recombinant Baculovirus via Liposome-Mediated Transfection.
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GENETICS
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GEOSYNTHETIC MATERIALS
Technical Guidance Document: Inspection Techniques for the Fabrication of Geomembrane Field Seams.
PB92-109057/REB 92-01 PC **A08**/MF **A02**

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GEOTECHNICAL FABRICS
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Evaluation of the Chemical Resistance of Geotextiles, Geonet and Pipe.
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Inspection Techniques for the Fabrication of Geomembrane Field Seams.
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GIARDIA DUODENALIS
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PB92-150531/REB 92-01 PC **A02**/MF **A01**

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Comparison of Animal Infectivity, Excystation, and Fluorogenic Dye as Measures of 'Giardia muris' Cyst Inactivation by Ozone.
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Effects of Glean, a Sulfonylurea Herbicide, on the Reproductive Biology and Fruit Set in Cherry Trees. Progress Report to Region 10.
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GLIAL FIBRILLARY ACIDIC PROTEIN
Assessment of Neurotoxicity: Use of Glial Fibrillary Acidic Protein as a Biomarker.
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5,7-Dihydroxytryptamine Injections Increase Glial Fibrillary Acidic Protein in the Hypothalamus of Adult Rats.
PB92-143924/REB 92-01 PC **A01**/MF **A01**

Quantification of Glial Fibrillary Acidic Protein: Comparison of Slot-Immunobinding Assays with a Novel Sandwich ELISA.
PB92-206325/REB 92-04 PC **A02**/MF **A01**

GLOBAL CLIMATE CHANGE PROGRAM
U.S. EPA's Global Climate Change Program: Landfill Emissions and Mitigation Research.
PB92-180215/REB 92-01 PC **A03**/MF **A01**

GLOBAL ECOSYSTEMS DATABASE
Global Ecosystems Database. Version 0.1 (Beta-test). EPA Global Climate Research Program. NOAA/NGDC Global Change Database Program. Prototype 1. Database Documentation. NGDC Key to Geophysical Records Documentation No. 25.
PB92-122803/REB 92-01 PC **A16**/MF **A03**

GLOBAL METHANE CYCLE
NATO Workshop on the Atmospheric Methane Cycle. Held in Mt. Hood, Oregon on October 6-11, 1991. Working Group Report on Methane Sources and Sinks.
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GIS Technical Memorandum 3: Global Positioning Systems Technology and Its Application in Environmental Programs.
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Comparative Immunosuppression of Various Glycol Ethers Orally Administered to Fisher 344 Rats.
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GLYCOLS
Citizen's Guide to Glycolate Dehalogenation.
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GLYNN COUNTY (GEORGIA)
Superfund Record of Decision (EPA Region 4): Hercules 009 Landfill Site, Brunswick, Glynn County, GA. (First Remedial Action), June 1991.
PB92-964001/REB 92-01 PC **A03**/MF **A01**

GLYPHOSATE
Drinking Water Criteria Document for Glyphosate.
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GOKILAHT
Pesticide Fact Sheet Number 227: Gokilaht.
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GORDON COUNTY (GEORGIA)
Protecting Endangered Species: Interim Measures, Gordon County, Georgia.
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Preserving Our Future Today: Your Guide to the United States Environmental Protection Agency.
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(Order as N92-24987/9/REB, PC **A10**/MF **A03**)

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Update Package for RCRA Permit Policy Compendium (Assorted Volumes).
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RCRA, Superfund Monthly Hot Line Reports.
PB92-922400/REB 92-01 Subscription$96.00

Superfund Policy Forum Update, Volume 1, Number 1, February 1992.
PB92-963262/REB 92-01 PC **A02**/MF **A01**

Revision of Policy Regarding Superfund Project Assignment between Alternative Remedial Contracting Strategy Contractors and the U.S. Army Corps of Engineers.
PB92-963327/REB 92-01 PC **A01**/MF **A01**

Considerations in Ground-Water Remediation at Superfund Sites and RCRA Facilities: Update.
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Protecting Endangered Species: Interim Measures, Graham County, Arizona.
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GRANDVILLE (MICHIGAN)
Superfund Record of Decision (EPA Region 5): Organic Chemicals, Grandville, MI. (First Remedial Action), September 1991.
PB92-964103/REB 92-01 PC **A04**/MF **A01**

GRANULAR ACTIVATED CARBON TREATMENT
Granular Activated Carbon Treatment. Engineering Bulletin.
PB92-180058/REB 92-01 PC **A02**/MF **A01**

GRASSES
Healthy Lawn, Healthy Environment. Caring for Your Lawn in an Environmentally Friendly Way.
PB92-233899/REB 92-04 PC **A03**/MF **A01**

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Techniques to Determine Spatial Variations in Hydraulic Conductivity of Sand and Gravel.
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Regional Efforts Through the LJC to Address Contaminated Bottom Sediment Problems in the Great Lakes.
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Dealing with Toxic Polluted Sediments in the Great Lakes Basin.
AD-P006 908/8/REB 92-04 PC **A03**/MF **A01**

Report of the Great Lakes Air Toxics Research Priorities Workshop. Held at Navarre, Minnesota on March 11-13, 1991.
PB92-166933/REB 92-01 PC **A03**/MF **A01**

GREEN BAY
Modeling Studies for Planning: The Green Bay Project.
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Gridded Model Information Support System (GMISS) User's Guide. Volume 3. Model Concentration Data Retrieval Subsystem.
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Cartographic and Geometric Components of a Global Sampling Design for Environmental Monitoring.
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RCRA Cover Systems for Waste Management Facilities.
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GROUND DISPOSAL
No Migration Variances to the Hazardous Waste Land Disposal Prohibitions: A Guidance Manual for Petitioners (July 1992).
PB92-207695/REB 92-04 PC **A05**/MF **A02**

GROUND PENETRATING RADAR
Study to Determine the Feasibility of Using a Ground-Penetrating Radar for More Effective Remediation of Subsurface Contamination.
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GROUND WATER
Regional Assessment of Aquifer Vulnerability and Sensitivity in the Conterminous United States.
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Extraction of Mercury from Groundwater Using Immobilized Algae.
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Benzene Groundwater Exposure Study, Nesmith, South Carolina.
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Optimizing BTEX Biodegradation under Denitrifying Conditions.
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Drinking Water from Agriculturally Contaminated Groundwater.
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Handbook of Suggested Practices for the Design and Installation of Ground-Water Monitoring Wells (Revised).
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Optimal Adaptive Local Grid Refinement Approach to Modeling Contaminant Transport.
PB92-217314/REB 92-04 PC **A03**/MF **A01**

Tech Trends (Number 8).
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Ground Water Models: Scientific and Regulatory Applications.
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In-situ Bioremediation of Contaminated Ground Water.
PB92-224336/REB 92-04 PC **A03**/MF **A01**

Vendor Information System for Innovative Treatment Technologies (VISITT). Number 1.
PB92-224716/REB 92-04 PC **A02**/MF **A01**

Protecting the Nation's Ground Water: EPA's Strategy for the 1990s: The Final Report of the EPA Ground-Water Task Force.
PB92-224765/REB 92-04 PC **A05**/MF **A01**

Probability of Plume Interception Using Conditional Simulation of Hydraulic Head and Inverse Modeling.
PB92-227404/REB 92-04 PC **A03**/MF **A01**

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PB92-231356/REB 92-04 PC **A06**/MF **A02**

Fundamentals of Ground-Water Modeling. Ground Water Issue.
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Handbook of RCRA Ground-Water Monitoring Constituents: Chemical and Physical Properties (40 CFR Part 264, Appendix 9).
PB92-233287/REB 92-04 PC **A13**/MF **A03**

Evaluation of Soil Venting Application. Ground Water Issue.
PB92-235605/REB 92-04 PC **A02**/MF **A01**

Evaluation of Ground-Water Extraction Remedies: Phase 2. Volume 1. Summary Report.
PB92-963346/REB 92-04 PC **A03**/MF **A01**

Evaluation of Ground-Water Extraction Remedies: Phase 2. Volume 2. Case Studies and Updates.
PB92-963347/REB 92-04 PC **A19**/MF **A04**

Presentations EPA-State Soil Standards Conference. Held in Crystal City, Virginia on January 29, 1991.
PB92-963350/REB 92-01 PC **A08**/MF **A02**

Considerations in Ground-Water Remediation at Superfund Sites and RCRA Facilities: Update.
PB92-963358/REB 92-01 PC **A03**/MF **A01**

ROD Annual Report, FY1991. Volume 1.
PB92-963359/REB 92-01 PC **A99**/MF **A06**

ROD Annual Report, FY1991. Volume 2.
PB92-963360/REB 92-01 PC **A18**/MF **A04**

Superfund Record of Decision (EPA Region 2): Naval Air Engineering Center, (Operable Unit 4), Lakehurst, NJ. (Third Remedial Action), September 1991.
PB92-963832/REB 92-04 PC **A04**/MF **A01**

GROUNDWATER

Ground Water and Soil Contamination Remediation: Toward Compatible Science, Policy, and Public Perception. Report on a Colloquium Sponsored by the Water Science and Technology Board, Colloquium 5 of a Series.
PB92-224179/REB 92-04 PC **A12**/MF **A03**

Pesticides and Ground-Water Strategy.
PB92-225051/REB 92-04 PC **A06**/MF **A02**

GROWTH

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GUAM

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GUIDELINES

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Reregistration Eligibility Document (RED): Carbon and Carbon Dioxide.
PB92-161926/REB 92-01 PC **A03**/MF **A01**

Guide for Using the Empirical Kinetics Modeling Approach Interface (EKMAI).
PB92-196005/REB 92-01 PC **A03**/MF **A01**

Transportation and Air Quality Planning Guidelines, 1992.
PB92-201458/REB 92-04 PC **A10**/MF **A03**

Facility Pollution Prevention Guide.
PB92-213206/REB 92-04 PC **A08**/MF **A02**

Pesticide Reregistration.
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PB92-231489/REB 92-04 PC **A07**/MF **A02**

Biological Criteria: National Program Guidance for Surface Waters.
PB92-231497/REB 92-04 PC **A04**/MF **A01**

Guidance for Water Quality-Based Decisions: The TMDL Process.
PB92-231620/REB 92-04 PC **A04**/MF **A01**

General Information on Applying for Registration of Pesticides in the United States. Second Edition (for Microcomputers).
PB92-504356/REB 92-04 CP **D02**

HABERSHAM COUNTY (GEORGIA)

Protecting Endangered Species: Interim Measures, Habersham County, Georgia.
PB92-232586/REB 92-04 PC **A01**/MF **A01**

HALOGEN AROMATIC HYDROCARBONS

QSARs for Predicting Reductive Transformation Rate Constants of Halogenated Aromatic Hydrocarbons in Anoxic Sediment Systems.
PB92-166800/REB 92-01 PC **A03**/MF **A01**

Reductive Transformations of Halogenated Aromatic Hydrocarbons in Anaerobic Water-Sediment Systems: Kinetics, Mechanisms and Products.
PB92-166818/REB 92-01 PC **A03**/MF **A01**

HALOGEN ORGANIC COMPOUNDS

QSARs for Predicting Biotic and Abiotic Reductive Transformation Rate Constants of Halogenated Hydrocarbons in Anoxic Sediment Systems.
PB92-166792/REB 92-01 PC **A03**/MF **A01**

HALOHYDROCARBONS

Physical Property Data on Fluorinated Propanes and Butanes as CFC and HCFC Alternatives.
PB92-206507/REB 92-04 PC **A03**/MF **A01**

HALON 1301

Research and Development for Total-Flood Halon 1301 Replacements for Oil and Gas Production Facilities.
PB92-206515/REB 92-04 PC **A02**/MF **A01**

HANDBOOKS

PIRLA DBMS Quick Reference Guide.
PB92-110824/REB 92-01 PC **A08**/MF **A02**

Material Recovery Facilities for Municipal Solid Waste.
PB92-137512/REB 92-01 PC **A08**/MF **A02**

Environmental Guidance: For Very Small Communities.
PB92-196021/REB 92-01 PC **A03**/MF **A01**

Vitrification Technologies for Treatment of Hazardous and Radioactive Waste.
PB92-201110/REB 92-04 PC **A05**/MF **A01**

Solid Waste Contract Negotiation Handbook.
PB92-232172/REB 92-04 PC **A05**/MF **A01**

Community Relations in Superfund: A Handbook.
PB92-963341/REB 92-01 PC **A12**/MF **A03**

HAWAII

National Priorities List Sites: California and Hawaii.
PB92-963239/REB 92-01 PC **A11**/MF **A03**

HAZARD RANKING SYSTEM

Preliminary Ranking Evaluation Score (PREscore) Version 1.1 (for Microcomputers).
PB92-503507/REB 92-04 CP **D02**

HAZARDOUS AIR POLLUTANT PROGRAM

Hazardous Air Pollutant Program (HAP-PRO). User's Manual (for Use with Version 1.0, January-September, 1990).
PB92-135904/REB 92-01 PC **A04**/MF **A01**

Hazardous Air Pollutant Program (HAP-PRO). Version 1 (for Microcomputers).
PB92-501212/REB 92-01 CP **D03**

HAZARDOUS MATERIAL

Superfund Record of Decision (EPA Region 5): U.S. DOI Sangamo/Crab Orchard National Wildlife Refuge, Carterville, IL. (First Remedial Action), March 1990.
PB92-964125/REB 92-04 PC **A05**/MF **A02**

HAZARDOUS MATERIALS

Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms (Fourth Edition).
PB91-167650/REB 92-01 PC **A14**/MF **A03**

Guides to Pollution Prevention: The Fiberglass-Reinforced and Composite Plastics Industry.
PB91-227967/REB 92-01 PC **A04**/MF **A01**

Guides to Pollution Prevention: The Marine Maintenance and Repair Industry.
PB91-228817/REB 92-01 PC **A04**/MF **A01**

Superfund Program: Ten Years of Progress.
PB91-921286/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 3): Hranica Landfill, Buffalo Township, PA. (First Remedial Action), June 1990.
PB91-921566/REB 92-01 PC **A03**/MF **A01**

Guides to Pollution Prevention: The Pharmaceutical Industry.
PB92-100080/REB 92-01 PC **A05**/MF **A01**

Citizens' Guidance Manual for the Technical Assistance Grant Program.
PB92-101435/REB 92-01 PC **A14**/MF **A03**

OSWER Source Book: Training and Technology Transfer Resources.
PB92-102169/REB 92-01 PC **A13**/MF **A03**

Waste Minimization Assessment for a Manufacturer of Refurbished Railcar Bearing Assemblies.
PB92-104348/REB 92-01 PC **A01**/MF **A01**

Waste Minimization Assessment for a Manufacturer of Prototype Printed Circuit Boards.
PB92-104355/REB 92-01 PC **A01**/MF **A01**

Waste Minimization Assessment for a Manufacturer of Speed Reduction Equipment.
PB92-104363/REB 92-01 PC **A01**/MF **A01**

Waste Minimization Assessment for a Manufacturer of Printed Labels.
PB92-104371/REB 92-01 PC **A02**/MF **A01**

Sunken Vessels and Aircraft Containing Hazardous Materials in Puget Sound.
PB92-104512/REB 92-01 PC **A07**/MF **A02**

Community Relations during Enforcement Activities and Development of the Administrative Record.
PB92-105469/REB 92-01 PC **A03**/MF **A01**

Section 3008(h) Module Order on Consent.
PB92-105477/REB 92-01 PC **A03**/MF **A01**

Improvement of PMN Review Procedures to Estimate Protective Clothing Performance. Executive Summary Report.
PB92-105691/REB 92-01 PC **A03**/MF **A01**

Pilot-Scale Incineration of Contaminated Soil from the Purity Oil Sales and McColl Superfund Sites.
PB92-105857/REB 92-01 PC **A04**/MF **A01**

Waste Reduction Technology Evaluations of the U.S. EPA WRITE Program.
PB92-108133/REB 92-01 PC **A02**/MF **A01**

Technical Guidance Document: Inspection Techniques for the Fabrication of Geomembrane Field Seams.
PB92-109057/REB 92-01 PC **A08**/MF **A02**

Guide for Conducting Treatability Studies under CERCLA: Aerobic Biodegradation Remedy Screening. Interim Guidance.
PB92-109065/REB 92-01 PC **A03**/MF **A01**

Guide for Conducting Treatability Studies under CERCLA: Aerobic Biodegradation Remedy Screening.
PB92-109073/REB 92-01 PC **A02**/MF **A01**

Superfund Engineering Issue: Issues Affecting the Applicability and Success of Remedial/Removal Incineration Projects.
PB92-109081/REB 92-01 PC **A03**/MF **A01**

Summary of the 1991 EPA/AWMA International Symposium: Measurement of Toxic and Related Air Pollutants. Held in Durham, North Carolina on May 6-10, 1991.
PB92-110386/REB 92-01 PC **A03**/MF **A01**

Sampling of Contaminated Sites.
PB92-110436/REB 92-01 PC **A02**/MF **A01**

RCRA Permit Policy Compendium. Volume 1. User's Guide. Key Word Index.
PB92-111715/REB 92-01 PC **E10**

RCRA Permit Policy Compendium. Volume 2 (9420.1980-9434.1900). Hazardous Waste Management System (Part 260). General, Definitions, Petitions.
PB92-111723/REB 92-01 PC **A13**

RCRA Permit Policy Compendium. Volume 3 (9441.1980-9441.1986). Identification and Listing of Hazardous Waste (Part 261). General.
PB92-111731/REB 92-01 PC **A14**

RCRA Permit Policy Compendium. Volume 4 (9441.1987-9441.1990). Identification and Listing of Hazardous Waste (Part 261). General.
PB92-111749/REB 92-01 PC **A14**

RCRA Permit Policy Compendium. Volume 5 (9442.1980-9444.1986). Identification and Listing of Hazardous Waste (Part 261). Criteria for Identifying Hazardous Waste, Characteristics of Hazardous Waste, Lists of Hazardous Waste.
PB92-111756/REB 92-01 PC **A14**

RCRA Permit Policy Compendium. Volume 6 (9444.1987-9457.1990). Identification and Listing of Hazardous Waste (Part 261). Lists (Cont'd), Generator Standards (Part 262), General, Pretransportation, Recordkeeping, Special Conditions, Importing.
PB92-111764/REB 92-01 PC **A15**

RCRA Permit Policy Compendium. Volume 7 (9460.1980-9482.1990). Transporter Standards (Part 263). (TSDF's) (Parts 264 and 265), TSDF Technical Requirements (Parts 264 and 265).
PB92-111772/REB 92-01 PC **A11**

RCRA Permit Policy Compendium. Volume 8 (9483.1980-9489.1990). TSDF Technical Requirements (Parts 264 and 265). Tanks, Surface Impoundments, Waste Piles, Land Treatment, Landfills, Incinerators, Miscellaneous Units.
PB92-111780/REB 92-01 PC **A15**

RCRA Permit Policy Compendium. Volume 9 (9490.1980-9521.1990). Standards for Managing Specific Hazardous Wastes (Part 266). Permitting Policies, Permitting Procedures (Parts 124 and 270).
PB92-111798/REB 92-01 PC **A15**

RCRA Permit Policy Compendium. Volume 10 (9522.1980-9528.1990). Permitting Procedures (Parts 124 and 270). Applications, Conditions, Changes, Interim Status.
PB92-111806/REB 92-01 PC **A15**

RCRA Permit Policy Compendium. Volume 11 (9530.1980-9581.1990). Air Emissions Standards, State Authorization (Part 271), Land Disposal Restrictions (Part 268). Waste Minimization, Subtitle D, RCRA Grant Funds.
PB92-111814/REB 92-01 PC **A17**

Comparison of In situ Vitrification and Rotary Kiln Incineration for Soils Treatment.
PB92-113174/REB 92-01 PC **A02**/MF **A01**

DuPont/Oberlin Microfiltration Technology. Applications Analysis Report.
PB92-119023/REB 92-01 PC **A04**/MF **A01**

RCRA Cover Systems for Waste Management Facilities.
PB92-120435/REB 92-01 PC **A03**/MF **A01**

Cleaning of Flue Gases from Waste Combustors, 1990.
PB92-121300/REB 92-01 PC **A03**/MF **A01**

Role of Gas-Phase Cl2 in the Formation of PCDD/PCDF during Waste Combustion.
PB92-121383/REB 92-01 PC **A02**/MF **A01**

Environmental Profiles and Hazard Indices for Constituents of Municipal Sludge: Mercury.
PB92-122977/REB 92-01 PC **A05**/MF **A01**

Environmental Profiles and Hazard Indices for Constituents of Municipal Sludge: Lead.
PB92-122985/REB 92-01 PC **A05**/MF **A01**

Environmental Profiles and Hazard Indices for Constituents of Municipal Sludge: Beryllium.
PB92-122993/REB 92-01 PC **A03**/MF **A01**

Environmental Profiles and Hazard Indices for Constituents of Municipal Sludge: Nickel.
PB92-123009/REB 92-01 PC **A05**/MF **A01**

National Survey of Hazardous Waste Generators and Treatment, Storage, Disposal, and Recycling Facilities in 1986. Hazardous Waste Generation and Management.
PB92-123025/REB 92-01 PC **A12**/MF **A03**

Toxicological Implementations of Remediating Hazardous Wastes.
PB92-124171/REB 92-01 PC **A03**/MF **A01**

Evaluation of Five Waste Minimization Technologies at the General Dynamics Pomona Division Plant.
PB92-125756/REB 92-01 PC **A04**/MF **A01**

Removal of Creosote from Soil by Thermal Desorption.
PB92-126838/REB 92-01 PC **A02**/MF **A01**

Applicability of UV/Oxidation Technologies to Treat Contaminated Groundwater.
PB92-126853/REB 92-01 PC **A03**/MF **A01**

Prospects for In situ Chemical Treatment for Contaminated Soil.
PB92-126929/REB 92-01 PC **A02**/MF **A01**

Compilation of Current Practices at Land Disposal Facilities: Summary of Liner and Leak Detection Designs, Action Leakage Rates, Response Action Plans, and Management of Liquids in Landfills.
PB92-128206/REB 92-01 PC **A08**/MF **A02**

Action Leakage Rates for Leak Detection Systems. (Supplemental Background Document for the Final Double Liners and Leak Detection Systems Rule for Hazardous Waste Landfills, Waste Piles, and Surface Impoundments).
PB92-128214/REB 92-01 PC **A04**/MF **A01**

Biodegradation of Creosote and Pentachlorophenol in Contaminated Groundwater: Chemical and Biological Assessment.
PB92-129659/REB 92-01 PC **A03**/MF **A01**

Chemical Resistance of Geosynthetic Materials.
PB92-136928/REB 92-01 PC **A03**/MF **A01**

Achievements in Source Reduction and Recycling for Ten Industries in the United States.
PB92-137470/REB 92-01 PC **A04**/MF **A01**

Available Disposal Capacity for Solid Waste in Illinois.
PB92-139815/REB 92-01 PC **A06**/MF **A02**

Handbook: Control Technologies for Hazardous Air Pollutants.
PB92-141373/REB 92-01 PC **A12**/MF **A03**

Limited-Use Chemical Protective Clothing for EPA Superfund Activities.
PB92-143494/REB 92-01 PC **A03**/MF **A01**

Air/Superfund National Technical Guidance Study Series: Estimation of Air Impacts for Soil Vapor Extraction (SVE) Systems.
PB92-143676/REB 92-01 PC **A03**/MF **A01**

Development of a National Consensus Standard for Quality Assurance for Environmental Programs.
PB92-143783/REB 92-01 PC **A03**/MF **A01**

Quality and Environmental Protection: The EPA QA Program.
PB92-143791/REB 92-01 PC **A02**/MF **A01**

RCRIS Data Element Dictionary, Version 3.0.0. Data Tape Documentation.
PB92-145515/REB 92-01 PC **A25**/MF **A06**

Guide to Site and Soil Description for Hazardous Waste Site Characterization. Volume 1. Metals.
PB92-146158/REB 92-01 PC **A13**/MF **A03**

Reclamation and Redevelopment of Contaminated Land. Volume 2. European Case Studies.
PB92-146166/REB 92-01 PC **A13**/MF **A03**

Methodologies for Evaluating In situ Bioremediation of Chlorinated Solvents.
PB92-146943/REB 92-01 PC **A05**/MF **A02**

Best Demonstrated Available Technology (BDAT) Background Document for Quality Assurance/Quality Control Procedures and Methodology.
PB92-149277/REB 92-01 PC **A07**/MF **A02**

State Programs Advisory Number Nine.
PB92-149285/REB 92-01 PC **A99**/MF **E16**

Environmental Profiles and Hazard Indices for Constituents of Municipal Sludge: DDT/DDE/DDD.
PB92-150408/REB 92-01 PC **A05**/MF **A01**

U.S. Environmental Protection Agency's SITE Emerging Technology Program: 1991 Update.
PB92-150663/REB 92-01 PC **A02**/MF **A01**

PAST: The Potential ARARs Selection Tool.
PB92-152941/REB 92-01 PC **A02**/MF **A01**

Technology Evaluation Report: SITE Program Demonstration of the DuPont/Oberlin Microfiltration Technology.
PB92-153410/REB 92-01 PC **A06**/MF **A02**

Technical Implementation Document for EPA's Boiler and Industrial Furnace Regulations.
PB92-154947/REB 92-01 PC **A11**/MF **A03**

Toxic Release Inventory (TRI). Documentation for the 1990 Magnetic Tape.
PB92-155381/REB 92-01 PC **A06**/MF **A02**

Permeation of Multifunctional Acrylates through Three Protective Clothing Materials.
PB92-164797/REB 92-01 PC **A06**/MF **A02**

Personnel Protection through Reconnaissance Robotics at Superfund Remedial Sites.
PB92-166743/REB 92-01 PC **A02**/MF **A01**

General Methods for Remedial Operations Performance Evaluations.
PB92-166842/REB 92-01 PC **A03**/MF **A01**

Annual Risk Reduction Engineering Laboratory Research Symposium (18th) Abstract Proceedings. Held in Cincinnati, Ohio on April 14-16, 1992.
PB92-166859/REB 92-01 PC **A11**/MF **A03**

Pilot-Scale Evaluation of the Thermal Stability POHC Incinerability Ranking.
PB92-166966/REB 92-01 PC **A11**/MF **A03**

Guide for Conducting Treatability Studies under CERCLA: Chemical Dehalogenation.
PB92-169044/REB 92-04 PC **A05**/MF **A01**

Chemical Dehalogenation Treatability Studies under CERCLA: An Overview.
PB92-169275/REB 92-04 PC **A02**/MF **A01**

Evaluation of the Chemical Resistance of Geotextiles, Geonet and Pipe.
PB92-170562/REB 92-01 PC **A05**/MF **A01**

Dense Nonaqueous Phase Liquids: A Workshop Summary. Held in Dallas, Texas on April 16-18, 1991.
PB92-178938/REB 92-01 PC **A05**/MF **A01**

Pilot-Scale Incineration of PCB-Contaminated Sediments from the New Bedford Harbor Hot Spot Superfund Site.
PB92-178953/REB 92-01 PC **A09**/MF **A03**

Innovative Treatment Technologies: Overview and Guide to Information Sources.
PB92-179001/REB 92-01 PC **A20**/MF **A04**

Demonstration of Waste Treatment Technologies.
PB92-179670/REB 92-01 PC **A02**/MF **A01**

Capsule Report: Acostic Monitoring to Determine the Integrity of Hazardous Waste Dams.
PB92-179928/REB 92-01 PC **A03**/MF **A01**

In situ Soil Flushing. Engineering Bulletin.
PB92-180025/REB 92-01 PC **A02**/MF **A01**

Control of Air Emissions from Materials Handling during Remediation. Engineering Bulletin.
PB92-180041/REB 92-01 PC **A02**/MF **A01**

Granular Activated Carbon Treatment. Engineering Bulletin.
PB92-180058/REB 92-01 PC **A02**/MF **A01**

Chemical Oxidation Treatment. Engineering Bulletin.
PB92-180066/REB 92-01 PC **A02**/MF **A01**

Questions and Answers about the Early Reductions Program.
PB92-180124/REB 92-01 PC **A04**/MF **A01**

Enabling Document for Regulations Governing Compliance Extensions for Early Reductions of Hazardous Air Pollutants.
PB92-180132/REB 92-01 PC **A07**/MF **A02**

Pollution Prevention Case Studies Compendium.
PB92-180165/REB 92-01 PC **A06**/MF **A02**

Asia Pacific Cleaner Production Conference: Cooperative Approaches in Minimising Hazardous Wastes. Held in Melbourne, Australia on February 24-27, 1992.
PB92-180173/REB 92-01 PC **A02**/MF **A01**

Update Package for RCRA Permit Policy Compendium (Assorted Volumes).
PB92-182518/REB 92-04 PC **E99**

Superfund Record of Decision (EPA Region 1): Western Sand and Gravel, RI. (Second Remedial Action), September 1985.
PB92-183284/REB 92-04 PC **A04**/MF **A01**

Leaking Underground Storage Tanks and Health: Understanding Health Risks from Petroleum Contamination.
PB92-184969/REB 92-01 PC **A03**/MF **A01**

Waste Minimization Assessment for a Manufacturer of Automotive Air Conditioning Condensers and Evaporators.
PB92-188739/REB 92-01 PC **A02**/MF **A01**

Waste Minimization Assessment for a Manufacturer of Metal Bands, Clamps, Retainers, and Tooling.
PB92-188747/REB 92-01 PC **A02**/MF **A01**

Inspection Techniques for the Fabrication of Geomembrane Field Seams.
PB92-188770/REB 92-01 PC **A02**/MF **A01**

Field Demonstration of the Linde Oxygen Combustion System on the EPA Mobile Incinerator.
PB92-188838/REB 92-01 PC **A02**/MF **A01**

Evaluation of the Rackwitz-Fiessler Uncertainty Analysis Method for Environmental Fate and Transport Models.
PB92-188879/REB 92-01 PC **A03**/MF **A01**

Waste Minimization Assessment for a Manufacturer Producing Galvanized Steel Parts.
PB92-189695/REB 92-01 PC **A02**/MF **A01**

Waste Minimization Assessment for a Manufacturer of Metal-Plated Display Racks.
PB92-189703/REB 92-01 PC **A02**/MF **A01**

Solidification/Stabilization: Is It Always Appropriate.
PB92-191188/REB 92-01 PC **A03**/MF **A01**

Waste Minimization Assessment for a Manufacturer of Aluminum Extrusions.
PB92-192137/REB 92-01 PC **A02**/MF **A01**

Waste Minimization Assessment for a Manufacturer of Metal-Cutting Wheels and Components.
PB92-192145/REB 92-01 PC **A02**/MF **A01**

Waste Minimization Assessment for a Manufacturer of Motor Vehicle Exterior Mirrors.
PB92-192806/REB 92-01 PC **A01**/MF **A01**

Waste Minimization Assessment for a Printed Circuit Board Manufacturer.
PB92-196344/REB 92-04 PC **A02**/MF **A01**

Waste Minimization Assessment for a Manufacturer of Sheet Metal Cabinets and Precision Metal Parts.
PB92-196377/REB 92-04 PC **A02**/MF **A01**

Waste Minimization Assessment for a Manufacturer of Can-Manufacturing Equipment.
PB92-196385/REB 92-04 PC **A01**/MF **A01**

Waste Minimization Assessment for an Aluminum Extrusions Manufacturer.
PB92-196393/REB 92-04 PC **A02**/MF **A01**

ASTER: An Integration of the ACQUIRE Data Base and the QSAR System for Use in Ecological Risk Assessments.
PB92-198217/REB 92-04 PC **A02**/MF **A01**

Vitrification Technologies for Treatment of Hazardous and Radioactive Waste.
PB92-201110/REB 92-04 PC **A05**/MF **A01**

Technical Support Services for Superfund Site Remediation and RCRA Corrective Action. Third Edition.
PB92-205657/REB 92-04 PC **A04**/MF **A01**

Comparison: Organic Emissions from Hazardous Waste Incinerators versus the 1990 Toxics Release Inventory Air Releases.
PB92-206267/REB 92-04 PC **A03**/MF **A01**

Long-Path FTIR Measurements of Volatile Organic Compounds in an Industrial Setting (July 1989-April 1991).
PB92-206424/REB 92-04 PC **A02**/MF **A01**

No Migration Variances to the Hazardous Waste Land Disposal Prohibitions: A Guidance Manual for Petitioners (July 1992).
PB92-207695/REB 92-04 PC **A05**/MF **A02**

Technology Evaluation Report of Retech, Inc., Plasma Centrifugal Furnace. Volume 1.
PB92-216035/REB 92-04 PC **A09**/MF **A02**

Technology Evaluation Report of Retech, Inc., Plasma Centrifugal Furnace. Volume 2.
PB92-216043/REB 92-04 PC **A15**/MF **A03**

Characterizing Heterogeneous Wastes: Methods and Recommendations (March 26-28, 1991).
PB92-216894/REB 92-04 PC **A08**/MF **A02**

Arsenic and Mercury Workshop on Removal, Recovery, Treatment and Disposal. Abstract Proceedings. Held in Alexandria, Virginia on August 17-20, 1992.
PB92-216944/REB 92-04 PC **A07**/MF **A02**

Waste Minimization Opportunity Assessment Manual.
PB92-216985/REB 92-04 PC **A06**/MF **A02**

Hazardous Waste Degradation by Wood Degrading Fungi.
PB92-217082/REB 92-04 PC **A03**/MF **A01**

Geomembrane Anchorage Behavior Using a Large Scale Pullout Apparatus.
PB92-217124/REB 92-04 PC **A03**/MF **A01**

Application of Tradescantia Micronucleus Assay for In situ Evaluation of Potential Genetic Hazards from Exposure to Chemicals at a Wood-Preserving Site.
PB92-217231/REB 92-04 PC **A02**/MF **A01**

Waste Minimization Assessment for a Manufacturer of Military Furniture.
PB92-217256/REB 92-04 PC **A01**/MF **A01**

Waste Minimization Assessment for a Dairy.
PB92-217264/REB 92-04 PC **A01**/MF **A01**

Waste Minimization Assessment for a Manufacturer of Components for Automobile Air Conditioners.
PB92-217272/REB 92-04 PC **A01**/MF **A01**

Waste Minimization Assessment for a Manufacturer of Water Analysis Instrumentation.
PB92-217280/REB 92-04 PC **A01**/MF **A01**

Development of Emerging Technologies within the SITE Program.
PB92-217322/REB 92-04 PC **A03**/MF **A01**

Volatile Emissions from Stabilization/Solidification of Hazardous Waste.
PB92-217371/REB 92-04 PC **A03**/MF **A01**

AWD Technologies Integrated AquaDetox (Trade Name)/SVE Technology: Applications Analysis Report.
PB92-218379/REB 92-04 PC **A04**/MF **A01**

Retech, Inc., Plasma Centrifugal Furnace: Applications Analysis Report.
PB92-218791/REB 92-04 PC **A04**/MF **A01**

Forum on Innovative Hazardous Waste Treatment Technologies (3rd): Domestic and International. Held in Dallas, Texas on June 11-13, 1991. Technical Papers.
PB92-219732/REB 92-04 PC **A22**/MF **A04**

Vendor Information System for Innovative Treatment Technologies. User Manual (VISITT Version 1.0). Number 1.
PB92-221647/REB 92-04 PC **A03**/MF **A01**

Technology Evaluation Report: Babcock and Wilcox Cyclone Furnace Vitrification Technology. Volume 1.
PB92-222215/REB 92-04 PC **A06**/MF **A02**

Technology Evaluation Report: Babcock and Wilcox Cyclone Furnace Vitrification Technology. Volume 2.
PB92-222223/REB 92-04 PC **A15**/MF **A03**

Technology Demonstration Summary, DuPont/Oberlin Microfiltration System, Palmerton, Pennsylvania. April-May 1992.
PB92-224351/REB 92-04 PC **A02**/MF **A01**

Guide for Conducting Treatability Studies under CERCLA: Aerobic Biodegradation Remedy Screening. Quick Reference Fact Sheet.
PB92-224377/REB 92-04 PC **A02**/MF **A01**

Technology Demonstration Summary: Bio Trol Soil Washing System for Treatment of a Wood Preserving Site.
PB92-224393/REB 92-04 PC **A02**/MF **A01**

Guide for Conducting Treatability Studies under CERCLA: Soil Vapor Extraction. Quick Reference Fact Sheet.
PB92-224401/REB 92-04 PC **A02**/MF **A01**

Making It Work: Title 3 Compliance. The Public's Right-to-Know.
PB92-224690/REB 92-04 PC **A02**/MF **A01**

Bioremediation in the Field: An Information Update on Applying Bioremediation to Site Cleanup. (Number 4).
PB92-224708/REB 92-04 PC **A03**/MF **A01**

Title 3 on Indian Lands: A Guide to the Emergency Planning and Community Right-to-Know Act. (Technical Assistance Bulletin). Volume 10, Number 2.
PB92-224740/REB 92-04 PC **A03**/MF **A01**

Superfund Innovative Technology Evaluation Program: Progress and Accomplishments, Fiscal Year 1990. A Fourth Report to Congress.
PB92-224799/REB 92-04 PC **A05**/MF **A01**

Bioremediation in the Field. An Information Update on Applying Bioremediation to Site Clean-Up. Number 3.
PB92-224807/REB 92-04 PC **A03**/MF **A01**

RCRA Corrective Actions. Speaker Slide Copies.
PB92-224815/REB 92-04 PC **A06**/MF **A02**

Bibliography of Materials on the Emergency Planning and Community Right-to-Know Act (Title III of SARA).
PB92-224823/REB 92-04 PC **A03**/MF **A01**

Technology Evaluation Report: Site Program Demonstration of a Trial Excavation at the McColl Superfund Site.
PB92-226448/REB 92-04 PC **A10**/MF **A03**

Guide for Conducting Treatability Studies under CERCLA: Soil Vapor Extraction. Interim Guidance.
PB92-227271/REB 92-04 PC **A05**/MF **A01**

Technology Evaluation Report: Ogden Circulating Bed Combustor at the McColl Superfund Site.
PB92-227289/REB 92-04 PC **A04**/MF **A01**

Comparison of SIMCA Pattern Recognition and Library Search Identification of Hazardous Compounds from Mass Spectra.
PB92-227362/REB 92-04 PC **A03**/MF **A01**

Control Technologies for Remediation of Contaminated Soil and Waste Deposits at Superfund Lead Battery Recycling Sites.
PB92-227388/REB 92-04 PC **A03**/MF **A01**

Genotoxicity of Industrial Wastes and Effluents. A Review.
PB92-227594/REB 92-04 PC **A03**/MF **A01**

Radioactive Site Remediation Technologies Seminar. Speaker Slide Copies.
PB92-231174/REB 92-04 PC **A04**/MF **A01**

Guide for Conducting Treatability Studies under CERCLA: Soil Vapor Extraction. Quick Reference Fact Sheet.
PB92-231281/REB 92-04 PC **A02**/MF **A01**

Chemical Dehalogenation Treatability Studies under CERCLA: An Overview.
PB92-231299/REB 92-04 PC **A02**/MF **A01**

Guide for Conducting Treatability Studies under CERCLA: Chemical Dehalogenation. Final Report.
PB92-231307/REB 92-04 PC **A05**/MF **A01**

Retech, Inc., Plasma Centrifugal Furnace: Applications Analysis Report.
PB92-231315/REB 92-04 PC **A04**/MF **A01**

Bioremediation Case Studies: Abstracts.
PB92-232347/REB 92-04 PC **A12**/MF **A03**

Fundamentals of Ground-Water Modeling. Ground Water Issue.
PB92-232354/REB 92-04 PC **A03**/MF **A01**

Procuring Innovative Technologies at Remedial Sites: Q's and A's and Case Studies.
PB92-232388/REB 92-04 PC **A03**/MF **A01**

Citizen's Guide to Thermal Desorption.
PB92-232396/REB 92-04 PC **A02**/MF **A01**

Citizen's Guide to How Innovative Treatment Technologies Are Being Successfully Applied at Superfund Sites.
PB92-233071/REB 92-04 PC **A01**/MF **A01**

Citizen's Guide to Solvent Extraction.
PB92-233089/REB 92-04 PC **A01**/MF **A01**

Citizen's Guide to Soil Washing.
PB92-233097/REB 92-04 PC **A02**/MF **A01**

Citizen's Guide to Glycolate Dehalogenation.
PB92-233105/REB 92-04 PC **A02**/MF **A01**

Citizen's Guide to In situ Soil Flushing.
PB92-233113/REB 92-04 PC **A02**/MF **A01**

Superfund Innovative Technology Evaluation Program: Spring Update to the Technology Profiles. Fourth Edition.
PB92-233121/REB 92-04 PC **A03**/MF **A01**

Handbook of RCRA Ground-Water Monitoring Constituents: Chemical and Physical Properties (40 CFR Part 264, Appendix 9).
PB92-233287/REB 92-04 PC **A13**/MF **A03**

Forum on Innovative Hazardous Waste Treatment Technologies (3rd): Domestic and International. Held in Dallas, Texas on June 11-13, 1991. Abstract Proceedings.
PB92-233881/REB 92-04 PC **A05**/MF **A01**

Citizen's Guide to Innovative Treatment Technologies for Contaminated Soils, Sludges, Sediments and Debris.
PB92-235563/REB 92-04 PC **A02**/MF **A01**

Citizen's Guide to Bioventing.
PB92-235571/REB 92-04 PC **A01**/MF **A01**

Citizen's Guide to Using Indigenous and Exogenous Microorganisms in Bioremediation.
PB92-235589/REB 92-04 PC **A01**/MF **A01**

Citizen's Guide to Air Sparging.
PB92-235597/REB 92-04 PC **A01**/MF **A01**

Evaluation of Soil Venting Application. Ground Water Issue.
PB92-235605/REB 92-04 PC **A02**/MF **A01**

Waste Reduction Activities and Options for a Nuclear Powered Electrical Generating Station.
PB92-235654/REB 92-04 PC **A02**/MF **A01**

Operations and Research at the U.S. EPA Incineration Research Facility: Annual Report for FY91.
PB92-239540/REB 92-04 PC **A06**/MF **A02**

Guide for Conducting Treatability Studies under CERCLA Solvent Extraction. Interim Guidance.
PB92-239581/REB 92-04 PC **A03**/MF **A01**

Guide for Conducting Treatability Studies under CERCLA: Solvent Extraction Quick Reference Fact Sheet.
PB92-239599/REB 92-04 PC **A02**/MF **A01**

PA-Score (Preliminary Assessment Score), Version 1.0 (for Microcomputers).
PB92-500032/REB 92-01 CP **D02**

Toxic Release Inventory (TRI), 1990.
PB92-501816/REB 92-01 CP **T14**

Preliminary Ranking Evaluation Score (PREscore) Version 1.1 (for Microcomputers).
PB92-503507/REB 92-04 CP **D02**

Resource Conservation and Recovery Information System (RCRIS) Extract Tape.
PB92-592290/REB 92-01 CP **T01**

Health Effects Assessment Summary Tables.
PB92-921100/REB 92-01 Standing Order

RCRA, Superfund Monthly Hot Line Reports.
PB92-922400/REB 92-01 Subscription$96.00

Superfund: Program Policies and Administration.
PB92-963200/REB 92-01 Standing Order

Implementation of the Superfund Alternative Remedial Contracting Strategy (ARCS): Report of the Administrator's Task Force. Implementation Plan.
PB92-963201/REB 92-01 PC **A03**/MF **A01**

OSWER Superfund Telephone Directory, October 1991.
PB92-963202/REB 92-01 PC **A03**/MF **A01**

National Priorities List Sites: Connecticut.
PB92-963203/REB 92-01
see individual report for order number and price

National Priorities List Sites: Maine.
PB92-963204/REB 92-01 PC **A04**/MF **A01**

National Priorities List Sites: New Hampshire.
PB92-963205/REB 92-01 PC **A04**/MF **A01**

National Priorities List Sites: Massachusetts.
PB92-963206/REB 92-01 PC **A05**/MF **A01**

National Priorities List Sites: Puerto Rico.
PB92-963207/REB 92-01 PC **A04**/MF **A01**

National Priorities List Sites: New York.
PB92-963208/REB 92-01 PC **A10**/MF **A03**

National Priorities List Sites: North Carolina.
PB92-963209/REB 92-01 PC **A05**/MF **A01**

National Priorities List Sites: South Carolina.
PB92-963210/REB 92-01 PC **A05**/MF **A01**

National Priorities List Sites: Minnesota.
PB92-963211/REB 92-01 PC **A07**/MF **A02**

National Priorities List Sites: Texas.
PB92-963212/REB 92-01 PC **A06**/MF **A02**

National Priorities List Sites: Kansas.
PB92-963213/REB 92-01 PC **A04**/MF **A01**

National Priorities List Sites: Missouri.
PB92-963214/REB 92-01 PC **A05**/MF **A01**

National Priorities List Sites: Utah.
PB92-963215/REB 92-01 PC **A04**/MF **A01**

National Priorities List Sites: Arizona and Nevada.
PB92-963216/REB 92-01 PC **A04**/MF **A01**

National Priorities List Sites: Virginia.
PB92-963217/REB 92-01 PC **A05**/MF **A01**

National Priorities List Sites: Maryland.
PB92-963218/REB 92-01 PC **A04**/MF **A01**

National Priorities List Sites: Idaho.
PB92-963219/REB 92-01 PC **A04**/MF **A01**

National Priorities List Sites: Arkansas.
PB92-963220/REB 92-01 PC **A04**/MF **A01**

National Priorities List Sites: Oklahoma.
PB92-963221/REB 92-01 PC **A04**/MF **A01**

National Priorities List Sites: Louisiana.
PB92-963222/REB 92-01 PC **A04**/MF **A01**

National Priorities List Sites: Alabama.
PB92-963223/REB 92-01 PC **A04**/MF **A01**

National Priorities List Sites: Mississippi.
PB92-963224/REB 92-01 PC **A03**/MF **A01**

National Priorities List Sites: Tennessee.
PB92-963225/REB 92-01 PC **A04**/MF **A01**

National Priorities List Sites: Georgia.
PB92-963226/REB 92-01 PC **A04**/MF **A01**

National Priorities List Sites: Kentucky.
PB92-963227/REB 92-01 PC **A04**/MF **A01**

National Priorities List Sites: Delaware.
PB92-963228/REB 92-01 PC **A05**/MF **A01**

National Priorities List Sites: West Virginia.
PB92-963229/REB 92-01 PC **A04**/MF **A01**

National Priorities List Sites: Rhode Island.
PB92-963230/REB 92-01 PC **A04**/MF **A01**

National Priorities List Sites: Vermont.
PB92-963231/REB 92-01 PC **A04**/MF **A01**

National Priorities List Sites: New Mexico.
PB92-963232/REB 92-01 PC **A04**/MF **A01**

National Priorities List Sites: Nebraska.
PB92-963233/REB 92-01 PC **A04**/MF **A01**

National Priorities List Sites: Iowa.
PB92-963234/REB 92-01 PC **A05**/MF **A01**

National Priorities List Sites: Montana.
PB92-963235/REB 92-01 PC **A04**/MF **A01**

National Priorities List Sites: North Dakota and South Dakota.
PB92-963236/REB 92-01 PC **A04**/MF **A01**

National Priorities List Sites: Colorado.
PB92-963237/REB 92-01 PC **A05**/MF **A01**

National Priorities List Sites: Wyoming.
PB92-963238/REB 92-01 PC **A03**/MF **A01**

National Priorities List Sites: California and Hawaii.
PB92-963239/REB 92-01 PC **A11**/MF **A03**

National Priorities List Sites: Pennsylvania.
PB92-963240/REB 92-01 PC **A11**/MF **A03**

National Priorities List Sites: New Jersey.
PB92-963241/REB 92-01 PC **A13**/MF **A03**

National Priorities List Sites: American Samoa, Guam, and the Trust Territories.
PB92-963242/REB 92-01 PC **A03**/MF **A01**

National Priorities List Sites: Wisconsin.
PB92-963243/REB 92-01 PC **A06**/MF **A02**

National Priorities List Sites: Washington.
PB92-963244/REB 92-01 PC **A07**/MF **A02**

National Priorities List Sites: Oregon.
PB92-963245/REB 92-01 PC **A04**/MF **A01**

National Priorities List Sites: Ohio.
PB92-963246/REB 92-01 PC **A06**/MF **A02**

National Priorities List Sites: Michigan.
PB92-963247/REB 92-01 PC **A10**/MF **A03**

National Priorities List Sites: Illinois.
PB92-963248/REB 92-01 PC **A06**/MF **A02**

National Priorities List Sites: Indiana.
PB92-963249/REB 92-01 PC **A06**/MF **A02**

National Priorities List Sites: Florida.
PB92-963250/REB 92-01 PC **A08**/MF **A02**

National Priorities List Sites: Alaska.
PB92-963251/REB 92-01 PC **A04**/MF **A01**

Superfund: Focusing on the Nation at Large. 1991 Update.
PB92-963252/REB 92-01 PC **A05**/MF **A01**

National Priorities List Sites Set (1991).
PB92-963253/REB 92-01 PC **E99**/MF **E99**

Superfund: Reporting on Cleanup Activities through Environmental Indicators. FY 1991 Update.
PB92-963255/REB 92-01 PC **A03**/MF **A01**

Progress Toward Implementing Superfund, Fiscal Year 1990: A Report to the Congress.
PB92-963256/REB 92-01 PC **E05**/MF **A04**

Superfund Contracts Management Issues.
PB92-963257/REB 92-01 PC **A02**/MF **A01**

Implementation of the Alternative Remedial Contracting Strategy (ARCS) Task Force Recommendations: Transmittal of the Implementation Plan.
PB92-963258/REB 92-01 PC **A01**/MF **A01**

Regional Pilot Projects and Initiatives.
PB92-963259/REB 92-01 PC **A01**/MF **A01**

Congressional Limits for FY 92 Alternative Remedial Contracting Strategy (ARCS) Program Management Costs.
PB92-963260/REB 92-01 PC **A01**/MF **A01**

National Oil and Hazardous Substances Pollution Contingency Plan (The NCP).
PB92-963261/REB 92-01 PC **A15**/MF **A03**

Superfund Policy Forum Update, Volume 1, Number 1, February 1992.
PB92-963262/REB 92-01 PC **A02**/MF **A01**

Superfund Accelerated Cleanup Model (SACM).
PB92-963263/REB 92-01 PC **A03**/MF **A01**

Superfund Progress, Spring 1992.
PB92-963265/REB 92-01 PC **A03**/MF **A01**

Correction of FY-92 Superfund Program Management Manual Definitions.
PB92-963266/REB 92-01 PC **A01**/MF **A01**

Superfund Progress - Aficionado's Version (Progress as of March 31, 1992).
PB92-963267/REB 92-01 PC **A03**/MF **A01**

Smart Moves in Superfund - Regional Initiatives. Volume 1, Number 1, February 1992.
PB92-963272/REB 92-04 PC **A01**/MF **A01**

Regional Pilots and Applications of Superfund Accelerated Cleanup Model (SACM).
PB92-963273/REB 92-04 PC **A01**/MF **A01**

Contracting and Subcontracting Guide to the Superfund Program.
PB92-963274/REB 92-04 PC **Free**

Superfund Program Implementation Manual, Fiscal Year 1993. Volumes 1 and 2.
PB92-963276/REB 92-04 PC **A18**/MF **A04**

Identification of a Senior Superfund Official for Addressing Special NPL Site-Related Issues.
PB92-963277/REB 92-04 PC **A01**/MF **A01**

Superfund Progress - Aficionado's Version: Progress as of June 30, 1992.
PB92-963278/REB 92-04 PC **A03**/MF **A01**

Superfund Progress, Summer 1992.
PB92-963279/REB 92-04 PC **A03**/MF **A01**

Memorandum of Understanding between the National Oceanic and Atmospheric Administration and the U.S. Environmental Protection Agency Concerning the Notification and Coordination of Activities Pursuant to the Comprehensive Environmental Response, Compensation, and Liability Act.
PB92-963281/REB 92-04 PC **A03**/MF **A01**

Superfund: Site Assessment and Remediation.
PB92-963300/REB 92-01 Standing Order

PA-Score Software, Version 1.0. Users Manual and Tutorial.
PB92-963302/REB 92-01 PC **A04**/MF **A01**

Guidance for Performing Preliminary Assessments under CERCLA.
PB92-963303/REB 92-01 PC **A13**/MF **A03**

NPL Characterization Project: National Results.
PB92-963304/REB 92-01 PC **A07**/MF **A02**

NPL Characterization Project: Region 1 Results.
PB92-963305/REB 92-01 PC **A05**/MF **A01**

NPL Characterization Project: Region 2 Results.
PB92-963306/REB 92-01 PC **A05**/MF **A01**

NPL Characterization Project: Region 3 Results.
PB92-963307/REB 92-01 PC **A05**/MF **A01**

NPL Characterization Project: Region 4 Results.
PB92-963308/REB 92-01 PC **A05**/MF **A01**

NPL Characterization Project: Region 5 Results.
PB92-963309/REB 92-01 PC **A05**/MF **A01**

NPL Characterization Project: Region 6 Results.
PB92-963310/REB 92-01 PC **A05**/MF **A01**

NPL Characterization Project: Region 7 Results.
PB92-963311/REB 92-01 PC **A05**/MF **A01**

NPL Characterization Project: Region 8 Results.
PB92-963312/REB 92-01 PC **A05**/MF **A01**

NPL Characterization Project: Region 9 Results.
PB92-963313/REB 92-01 PC **A05**/MF **A01**

NPL Characterization Project: Region 10 Results.
PB92-963314/REB 92-01 PC **A05**/MF **A01**

CERCLIS Characterization Project: National Results.
PB92-963315/REB 92-01 PC **A06**/MF **A02**

CERCLIS Characterization Project: Region 1 Results.
PB92-963316/REB 92-01 PC **A05**/MF **A01**

CERCLIS Characterization Project: Region 2 Results.
PB92-963317/REB 92-01 PC **A05**/MF **A01**

CERCLIS Characterization Project: Region 3 Results.
PB92-963318/REB 92-01 PC **A05**/MF **A01**

CERCLIS Characterization Project: Region 4 Results.
PB92-963319/REB 92-01 PC **A05**/MF **A01**

CERCLIS Characterization Project: Region 5 Results.
PB92-963320/REB 92-01 PC **A05**/MF **A01**

CERCLIS Characterization Project: Region 6 Results.
PB92-963321/REB 92-01 PC **A05**/MF **A01**

CERCLIS Characterization Project: Region 7 Results.
PB92-963322/REB 92-01 PC **A05**/MF **A01**

CERCLIS Characterization Project: Region 8 Results.
PB92-963323/REB 92-01 PC **A05**/MF **A01**

CERCLIS Characterization Project: Region 9 Results.
PB92-963324/REB 92-01 PC **A05**/MF **A01**

CERCLIS Characterization Project: Region 10 Results.
PB92-963325/REB 92-01 PC **A05**/MF **A01**

Revised Hazard Ranking System: Evaluating Sites After Waste Removals.
PB92-963326/REB 92-01 PC **A03**/MF **A01**

Revision of Policy Regarding Superfund Project Assignment between Alternative Remedial Contracting Strategy Contractors and the U.S. Army Corps of Engineers.
PB92-963327/REB 92-01 PC **A01**/MF **A01**

Audits and the Superfund Program Manager.
PB92-963328/REB 92-01 PC **A01**/MF **A01**

State and Local Involvement in the Superfund Program.
PB92-963329/REB 92-01 PC **A01**/MF **A01**

Political Subdivision Involvement in Superfund.
PB92-963330/REB 92-01 PC **A01**/MF **A01**

Debarment and Suspension.
PB92-963331/REB 92-01 PC **A01**/MF **A01**

Administrative Guidance for the FIT to ARCS (FIT/ARCS) Transition.
PB92-963332/REB 92-01 PC **A06**/MF **A02**

Risk Assessment Guidance for Superfund. Volume 1. Human Health Evaluation Manual (Part B, Development of Risk-Based Preliminary Remediation Goals).
PB92-963333/REB 92-01 PC **A04**/MF **A01**

Risk Assessment Guidance for Superfund. Volume 1. Human Health Evaluation Manual (Part C, Risk Evaluation of Remedial Alternatives).
PB92-963334/REB 92-01 PC **A05**/MF **A01**

ECO Update: Ecological Assessment of Superfund Sites. An Overview. Volume 1, Number 2, December 1991.
PB92-963335/REB 92-01 PC **A02**/MF **A01**

Homeowners Exempted from Superfund Cleanup Costs: National Policy Overview.
PB92-963336/REB 92-01 PC **A01**/MF **A01**

ECO Update: The Role of BTAGs in Ecological Assessment. Volume 1, Number 1, September 1991.
PB92-963337/REB 92-01 PC **A02**/MF **A01**

Estimating Potential for Occurrence of DNAPL at Superfund Sites.
PB92-963338/REB 92-01 PC **A03**/MF **A01**

Risk Assessment Guidance for Superfund. Volume 1. Human Health Evaluation Manual (Part B).
PB92-963339/REB 92-01 PC **A02**/MF **A01**

Risk Assessment Guidance for Superfund. Volume 1. Human Health Evaluation Manual (Part C).
PB92-963340/REB 92-01 PC **A02**/MF **A01**

Community Relations in Superfund: A Handbook.
PB92-963341/REB 92-01 PC **A12**/MF **A03**

Accessing the $50 Million Set-Aside in the Remedial Action Budget for Quick Response at National Priorities List Sites.
PB92-963342/REB 92-01 PC **A01**/MF **A01**

Authorization for Regional Administrators to Approve Consistency Exemptions at NPL Sites.
PB92-963343/REB 92-01 PC **A01**/MF **A01**

Update No. 2 to 'Procedures for Completion and Deletion of NPL Sites'.
PB92-963344/REB 92-01 PC **A01**/MF **A01**

Guide to Principal Threat and Low Level Threat Wastes.
PB92-963345/REB 92-01 PC **A01**/MF **A01**

Evaluation of Ground-Water Extraction Remedies: Phase 2. Volume 1. Summary Report.
PB92-963346/REB 92-04 PC **A03**/MF **A01**

Evaluation of Ground-Water Extraction Remedies: Phase 2. Volume 2. Case Studies and Updates.
PB92-963347/REB 92-04 PC **A19**/MF **A04**

PREscore Software. Users Manual and Tutorial. Version 1.0.
PB92-963349/REB 92-01 PC **A05**/MF **A01**

Presentations EPA-State Soil Standards Conference. Held in Crystal City, Virginia on January 29, 1991.
PB92-963350/REB 92-01 PC **A08**/MF **A02**

Summary of Treatment Technology Effectiveness for Contaminated Soil.
PB92-963351/REB 92-01 PC **A23**/MF **A04**

Regional Quality Control Guidance for NPL Candidate Sites.
PB92-963352/REB 92-01 PC **A04**/MF **A01**

Characterization Protocol for Radioactive Contaminated Soils.
PB92-963354/REB 92-01 PC **A02**/MF **A01**

Guidance for Data Useability in Risk Assessment (Part A).
PB92-963356/REB 92-04 PC **A13**/MF **A03**

ROD Annual Report, FY1991. Volume 1.
PB92-963359/REB 92-01 PC **A99**/MF **A06**

ROD Annual Report, FY1991. Volume 2.
PB92-963360/REB 92-01 PC **A18**/MF **A04**

Superfund Accelerated Cleanup Bulletin: Presumptive Remedies for Wood Treatment Facilities. Volume 1, Number 2, May 1992.
PB92-963361/REB 92-04 PC **A01**/MF **A01**

Guidance for Data Useability in Risk Assessment.
PB92-963363/REB 92-04 PC **A02**/MF **A01**

Remedial Action Report: Documentation for Operable Unit Completion.
PB92-963364/REB 92-04 PC **A01**/MF **A01**

Superfund Accelerated Cleanup Bulletin. Volume 1, Number 1. Presumptive Remedies for Municipal Landfill Sites.
PB92-963367/REB 92-04 PC **A01**/MF **A01**

FY 1992 Themes for Regional Coordination to Support Continuous Improvements of Superfund's Remedial Program.
PB92-963368/REB 92-04 PC **A02**/MF **A01**

ECO Update. Volume 1, Number 3. The Role of Natural Resource Trustees in the Superfund Process.
PB92-963369/REB 92-04 PC **A03**/MF **A01**

ECO Update. Volume 1, Number 4. Developing a Work Scope for Ecological Assessments.
PB92-963370/REB 92-04 PC **A03**/MF **A01**

Superfund Accelerated Cleanup Bulletin. Volume 1, Number 3. Presumptive Remedies.
PB92-963371/REB 92-04 PC **A01**/MF **A01**

Understanding Superfund Risk Assessment.
PB92-963372/REB 92-04 PC **A02**/MF **A01**

Supplemental Guidance to RAGS: Calculating the Concentration Term. Volume 1, Number 1, May 1992.
PB92-963373/REB 92-04 PC **A02**/MF **A01**

ECO Update. Volume 1, Number 5, August 1992. Briefing the BTAG: Initial Description of Setting, History, and Ecology of a Site.
PB92-963374/REB 92-04 PC **A03**/MF **A01**

Superfund: Removals and Emergency Response.
PB92-963400/REB 92-01 Standing Order

Superfund Removal Procedures: Guidance on the Consideration of ARARS during Removal Actions.
PB92-963401/REB 92-01 PC **A03**/MF **A01**

CERCLA Reporting Requirements for Releases of Ethylene Glycol from Airplane De-Icing Operations.
PB92-963402/REB 92-01 PC **A02**/MF **A01**

Superfund Emergency Response Actions: A Summary of Federally-Funded Removals. Fifth Annual Report - Fiscal Year 1990.
PB92-963403/REB 92-01 PC **A08**/MF **A02**

Compendium of ERT Field Analytical Procedures.
PB92-963405/REB 92-04 PC **A05**/MF **A01**

Compendium of ERT Air Sampling Procedures.
PB92-963406/REB 92-04 PC **A07**/MF **A02**

Removal Program Representative Sampling Guidance. Volume 1. Soil.
PB92-963408/REB 92-01 PC **A04**/MF **A01**

Superfund Removal Procedures: Removal Enforcement Guidance for On-Scene Coordinators.
PB92-963409/REB 92-04 PC **A03**/MF **A01**

CERCLA Notifications: Emergency Response Notification System (ERNS) Fact Sheet.
PB92-963411/REB 92-04 PC **A01**/MF **A01**

Overview of ERNS: Emergency Response Notification System (ERNS) Fact Sheet.
PB92-963412/REB 92-04 PC **A01**/MF **A01**

Standard Operating Safety Guides.
PB92-963414/REB 92-04 PC **A09**/MF **A03**

Superfund Removal Procedures: Public Participation Guidance for On-Scene Coordinators: Community Relations and the Administrative Record.
PB92-963416/REB 92-04 PC **A03**/MF **A01**

Analysis of State Superfund Programs: 50-State Study. 1991 Update.
PB92-963418/REB 92-04 PC **A12**/MF **A03**

Guide to Removal Enforcement.
PB92-963419/REB 92-04 PC **A01**/MF **A01**

Notification Requirements for Continuous Releases of Hazardous Substances.
PB92-963422/REB 92-04 PC **A02**/MF **A01**

Superfund: Technology and Analytical Services.
PB92-963500/REB 92-01 Standing Order

Superfund: Enforcement.
PB92-963600/REB 92-01 Standing Order

Overview of the Off-Site Policy for OSCs and RPMs.
PB92-963603/REB 92-01 PC **A01**/MF **A01**

Guidance on Preparing Waste-in Lists and Volumetric Rankings for Release to Potentially Responsible Parties (PRPs) under CERCLA.
PB92-963606/REB 92-01 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 1): Western Sand and Gravel Site, Burrillville and North Smithfield, RI. (Third Remedial Action), April 1991.
PB92-963701/REB 92-01 PC **A11**/MF **A03**

Superfund Record of Decision (EPA Region 1): Dover Municipal Landfill, Dover, NH. (First Remedial Action), September 1991.
PB92-963702/REB 92-01 PC **A13**/MF **A03**

Superfund Record of Decision (EPA Region 1): Union Chemical, South Hope, ME. (First Remedial Action), December 1990.
PB92-963703/REB 92-01 PC **A13**/MF **A03**

Superfund Record of Decision (EPA Region 1): Nyanza Chemical Waste Dump, Operable Unit 2, Ashland, MA. (Second Remedial Action), September 1991.
PB92-963704/REB 92-01 PC **A09**/MF **A02**

Superfund Record of Decision (EPA Region 1): Mottolo Pig Farm, Raymond, NH. (First Remedial Action), March 1991.
PB92-963705/REB 92-01 PC **A08**/MF **A02**

Superfund Record of Decision (EPA Region 1): Savage Municipal Water Supply, Milford, NH. (First Remedial Action), September 1991.
PB92-963706/REB 92-04 PC **A14**/MF **A03**

Superfund Record of Decision (EPA Region 1): Iron Horse Park, Billerica, MA. (Second Remedial Action), June 1991.
PB92-963707/REB 92-04 PC **A12**/MF **A03**

Superfund Record of Decision (EPA Region 1): Sullivan's Ledge Superfund Site, Middle Marsh Operable Unit, New Bedford, MA. (First Remedial Action), September 1991.
PB92-963708/REB 92-04 PC **A13**/MF **A03**

Superfund Record of Decision (EPA Region 1): Silresim Chemical, MA. (First Remedial Action), September 1991.
PB92-963709/REB 92-04 PC **A13**/MF **A03**

Superfund Record of Decision (EPA Region 1): Groveland Wells, Operable Unit 1, Groveland, MA. (Second Remedial Action), September 1991.
PB92-963710/REB 92-04 PC **A11**/MF **A03**

Superfund Record of Decision (EPA Region 2): C and J Disposal Site, Town of Eaton, Madison County, NY. (First Remedial Action), March 1991.
PB92-963801/REB 92-01 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 2): Endicott Village Wellfield, Broome County, Endicott, NY. (Second Remedial Action), March 1991.
PB92-963802/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 2): Genzale Plating Company, Franklin Square, Nassau County, NY. (First Remedial Action), March 1991.
PB92-963803/REB 92-01 PC **A05**/MF **A01**

Superfund Record of Decision (EPA Region 2): Global Landfill, Middlesex County, NJ. (First Remedial Action), October 1991.
PB92-963804/REB 92-01 PC **A08**/MF **A02**

Superfund Record of Decision (EPA Region 2): Love Canal (93rd Street School), Niagara County, City of Niagara Falls, NY. (Third Remedial Action), (Amendment), May 1991.
PB92-963805/REB 92-01 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 2): Naval Air Engineering Center (Operable Unit 3), Lakehurst, NJ. (Fourth Remedial Action), September 1991.
PB92-963806/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 2): Mattiace Petrochemicals Co., Inc., Nassau County, Glen Cove, NY. (Second Remedial Action), June 1991.
PB92-963807/REB 92-04 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 2): Naval Air Engineering Center (Operable Unit 1), Lakehurst, NJ. (First Remedial Action), February 1991.
PB92-963808/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 2): Asbestos Dump, New Vernon Road and White Bridge Road Sites, Passaic Township, Meyersville, NJ. (Second Remedial Action), September 1991.
PB92-963809/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 2): Naval Air Engineering Center, (Operable Unit 2), Lakehurst, NJ. (Second Remedial Action), February 1991.
PB92-963810/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 2): Chemsol, Inc., Piscataway, Middlesex County, NJ. (First Remedial Action), September 1991.
PB92-963811/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 2): Hooker Chemical S-Area, Niagara Falls, NY. (First Remedial Action), September 1990.
PB92-963812/REB 92-04 PC **A15**/MF **A03**

Superfund Record of Decision (EPA Region 2): NL Industries, Salem County, Pedricktown, NJ. (First Remedial Action), September 1991.
PB92-963813/REB 92-04 PC **A07**/MF **A02**

Superfund Record of Decision: Roebling Steel Company, Florence Township, Burlington County, NJ. (Second Remedial Action), September 1991.
PB92-963814/REB 92-04 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 2): Waldick Aerospace Devices, Wall Township, Monmouth County, NJ. (Second Remedial Action), March 1991.
PB92-963815/REB 92-04 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 2): Upper Deerfield Township Sanitary Landfill, Upper Deerfield Township, Cumberland County, NJ. (First Remedial Action), September 1991.
PB92-963816/REB 92-04 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 2): Nascolite Corporation, Doris Avenue, Cities of Millville and Vineland, Cumberland County, NJ. (Second Remedial Action), June 1991.
PB92-963817/REB 92-04 PC **A07**/MF **A02**

Superfund Record of Decision (EPA Region 2): General Motors/Central Foundry Division Site, St. Lawrence County, Massena, NY. (First Remedial Action), December 1990.
PB92-963818/REB 92-04 PC **A10**/MF **A03**

Superfund Record of Decision (EPA Region 2): Frontera Creek Site, Humacao, Puerto Rico (First Remedial Action), September 1991.
PB92-963819/REB 92-04 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 2): Fort Dix Landfill, Fort Dix Military Reservation, Pemberton Township, Burlington County, NJ. (First Remedial Action), September 1991.
PB92-963820/REB 92-04 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 2): Hertel Landfill, Town of Plattekill, Ulster County, NY. (First Remedial Action), September 1991.
PB92-963821/REB 92-04 PC **A05**/MF **A01**

Superfund Record of Decision (EPA Region 2): Colesville Municipal Landfill Site, Town of Colesville, Broome County, NY. (First Remedial Action), March 1991.
PB92-963822/REB 92-04 PC **A12**/MF **A03**

Superfund Record of Decision (EPA Region 2): Applied Environmental Services Site, Glenwood Landing, Nassau County, NY. (First Remedial Action), June 1991.
PB92-963823/REB 92-04 PC **A05**/MF **A01**

Superfund Record of Decision (EPA Region 2): Conklin Dumps, Broome County, Conklin, NY. (First Remedial Action), March 1991.
PB92-963824/REB 92-04 PC **A07**/MF **A02**

Superfund Record of Decision (EPA Region 2): Curcio Scrap Metal, Bergen County, Saddle Brook, NJ. (First Remedial Action), June 1991.
PB92-963825/REB 92-04 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 2): Warwick Landfill, Town of Warwick, Orange County, NY. (First Remedial Action), June 1991.
PB92-963826/REB 92-04 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 2): Sinclair Refinery, Allegany County, Wellsville, NY. (Second Remedial Action), September 1991.
PB92-963827/REB 92-04 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 2): Fibers Public Supply Wells, Guayama, PR. (First Remedial Action), September 1991.
PB92-963828/REB 92-04 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 2): White Chemical Corporation, Essex County, Newark, NJ. (First Remedial Action), September 1991.
PB92-963829/REB 92-04 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 2): Circuitron Corporation, East Farmingdale, Suffolk County, NY. (First Remedial Action), March 1991.
PB92-963830/REB 92-04 PC **A05**/MF **A01**

Superfund Record of Decision (EPA Region 2): Juncos Landfill, Juncos, PR. (First Remedial Action), September 1991.
PB92-963831/REB 92-04 PC **A05**/MF **A02**

Superfund Record of Decision (EPA Region 2): Naval Air Engineering Center, (Operable Unit 4), Lakehurst, NJ. (Third Remedial Action), September 1991.
PB92-963832/REB 92-04 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 2): Swope Oil and Chemical Company, Pennsauken Township, Camden County, NJ. (Second Remedial Action), September 1991.
PB92-963833/REB 92-04 PC **A07**/MF **A02**

Superfund Record of Decision (EPA Region 2): Garden State Cleaners, Buena Borough, Atlantic County, NJ. (First Remedial Action), September 1991.
PB92-963834/REB 92-04 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 3): Mid-Atlantic Wood Preservers, Harmans, Anne Arundel County, MD. (First Remedial Action), December 1990.
PB92-963901/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 3): Publicker/Cuyahoga Wrecking Plant, PA. (Second Remedial Action), June 1991.
PB92-963902/REB 92-01 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 3): Resin Disposal, Jefferson Borough, Allegheny County, PA. (First Remedial Action), June 1991.
PB92-963903/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 3): Middletown Air Field Site, Middletown, PA. (Second Remedial Action), December 1990.
PB92-963904/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 3): Hellertown Manufacturing Company, Hellertown Borough, Northampton County, PA. (First Remedial Action), September 1991.
PB92-963905/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 3): Hebelka Auto Salvage Yard, Weisenber Township, Lehigh County, PA. (Second Remedial Action), September 1991.
PB92-963906/REB 92-01 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 3): Dorney Road Landfill Site, Upper Macungie Township, Lehigh County, PA. (Second Remedial Action), September 1991.
PB92-963907/REB 92-01 PC **A05**/MF **A01**

Superfund Record of Decision (EPA Region 3): Cryo-Chem Site, Earl Township, Berks County, PA. (Third Remedial Action), September 1991.
PB92-963908/REB 92-01 PC **A05**/MF **A01**

Superfund Record of Decision (EPA Region 3): USA Aberdeen, Michaelsville, MD. (First Remedial Action), September 1991.
PB92-963909/REB 92-01 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 3): USA Letterkenny - PDO, Chambersburg, PA. (First Remedial Action), August 1991.
PB92-963910/REB 92-01 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 3): USA Letterkenny - Southeastern Area, Chambersburg, PA. (First Remedial Action), August 1991.
PB92-963911/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 3): Whitmoyer Laboratories (Operable Unit 2), Lebanon County, PA. (Second Remedial Action), December 1990.
PB92-963912/REB 92-01 PC **A05**/MF **A01**

Superfund Record of Decision (EPA Region 3): Strasburg Landfill, Newlin Township, Chester County, PA. (Second Remedial Action), June 1991.
PB92-963913/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 3): Halby Chemical, Wilmington, New Castle County, DE. (First Remedial Action), June 1991.
PB92-963914/REB 92-01 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 3): Brodhead Creek, Stroudsburg, PA. (First Remedial Action), March 1991.
PB92-963915/REB 92-01 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 3): USA Aberdeen Proving Ground, Edgewood, MD. (First Remedial Action), September 1991.
PB92-963916/REB 92-01 PC **A05**/MF **A01**

Superfund Record of Decision (EPA Region 3): Heleva Landfill Site, Lehigh County, PA. (First Remedial Action), (Amendment), September 1991.
PB92-963917/REB 92-01 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 3): Industrial Drive Operable Unit 2, Williams Township, PA. (Second Remedial Action), March 1991.
PB92-963918/REB 92-01 PC **A05**/MF **A01**

Superfund Record of Decision (EPA Region 3): NCR Corporation (Millsboro Plant), Sussex County, Millsboro, DE. (First Remedial Action), August 1991.
PB92-963919/REB 92-01 PC **A05**/MF **A01**

Superfund Record of Decision (EPA Region 3): AVCO Lycoming-Williamsport Division, Lycoming County, Williamsport, PA. (First Remedial Action), June 1991.
PB92-963920/REB 92-01 PC **A05**/MF **A01**

Superfund Record of Decision (EPA Region 3): William Dick Lagoons, West Caln Township, Chester County, PA. (First Remedial Action), June 1991.
PB92-963921/REB 92-04 PC **A07**/MF **A02**

Superfund Record of Decision (EPA Region 3): Havertown PCP (Pentachlorophenol), Haverford Township, Delaware County, PA. (Second Remedial Action), September 1991.
PB92-963922/REB 92-04 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 3): Sealand Limited Site, Mt. Pleasant, DE. (First Remedial Action), September 1991.
PB92-963923/REB 92-04 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 3): First Piedmont Rock Quarry/Route 719 Site, Danville, VA. (First Remedial Action), June 1991.
PB92-963924/REB 92-04 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 3): Arrowhead Associates/Scovill, Montross, VA. (First Remedial Action), September 1991.
PB92-963925/REB 92-04 PC **A05**/MF **A01**

Superfund Record of Decision (EPA Region 3): Whitmoyer Laboratories (Operable Unit 3), Lebanon County, PA. (Third Remedial Action), December 1990.
PB92-963926/REB 92-04 PC **A05**/MF **A01**

Superfund Record of Decision (EPA Region 3): Saunders Supply Company, Chuckatuck, VA. (First Remedial Action), September 1991.
PB92-963927/REB 92-04 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 3): Old City of York Landfill, Springfield Township, York County, PA. (First Remedial Action), September 1991.
PB92-963928/REB 92-04 PC **A05**/MF **A01**

Superfund Record of Decision (EPA Region 3): Dixie Caverns County Landfill, Roanoke County, VA. (First Remedial Action), September 1991.
PB92-963929/REB 92-04 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 3): Greenwood Chemical Site, Operable Unit 2, Newtown, VA. (Second Remedial Action), December 1990.
PB92-963930/REB 92-04 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 3): Modern Sanitation Landfill, Windsor and Lower Windsor Townships, York County, PA. (First Remedial Action), June 1991.
PB92-963931/REB 92-04 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 3): McAdoo Associates, (Operable Unit 2), Schuylkill County, PA. (Third Remedial Action), September 1991.
PB92-963932/REB 92-04 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 3): Eastern Diversified Metals, Schuylkill County, PA. (First Remedial Action), March 1991.
PB92-963933/REB 92-04 PC **A05**/MF **A01**

Superfund Record of Decision (EPA Region 4): Hercules 009 Landfill Site, Brunswick, Glynn County, GA. (First Remedial Action), June 1991.
PB92-964001/REB 92-01 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 4): USAF Robins Air Force Base, Warner Robins, Houston County, GA. (First Remedial Action), June 1991.
PB92-964002/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 4): Monsanto Superfund Site, Augusta, GA. (First Remedial Action), December 1990.
PB92-964003/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 4): Tri-City Industrial Disposal Site, Bullitt County, Brooks, KY. (First Remedial Action), August 1991.
PB92-964004/REB 92-01 PC **A14**/MF **A03**

Superfund Record of Decision (EPA Region 4): Aberdeen Pesticide Dumps, Moore County, Aberdeen, NC. (First Remedial Action), (Amendment), September 1991.
PB92-964005/REB 92-01 PC **A07**/MF **A02**

Superfund Record of Decision (EPA Region 4): Smith's Farm Site (First Operable Unit), Bullitt County, Brooks, KY. (First Remedial Action), (Amendment), September 1991.
PB92-964006/REB 92-01 PC **A10**/MF **A03**

Superfund Record of Decision (EPA Region 4): Petroleum Products Corporation Site, Operable Unit 1, Pembroke Park, Broward County, FL. (First Remedial Action), October 1990.
PB92-964007/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 4): Sangamo/Twelve-Mile Creek, Lake Hartwell PCB Contamination Site, Pickens, SC. (First Remedial Action), December 1990.
PB92-964008/REB 92-01 PC **A11**/MF **A03**

Superfund Record of Decision (EPA Region 4): Medley Farms, Cherokee County, Gaffney, SC. (First Remedial Action), May 1991.
PB92-964009/REB 92-01 PC **A09**/MF **A02**

Superfund Record of Decision (EPA Region 4): USA Anniston Army Depot, (Groundwater Operable Unit), Calhoun County, Anniston, AL. (First Remedial Action), September 1991.
PB92-964010/REB 92-01 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 4): Wrigley Charcoal Site, Hickman County, Wrigley, TN. (First Remedial Action), September 1991.
PB92-964011/REB 92-01 PC **A08**/MF **A02**

Superfund Record of Decision (EPA Region 4): Oak Ridge Reservation (USDOE), (Operable Unit 4), Roane County, Oak Ridge, TN. (Third Remedial Action), September 1991.
PB92-964012/REB 92-01 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 4): Oak Ridge Reservation (USDOE), (Operable Unit 2), Oak Ridge, TN. (First Remedial Action), June 1991.
PB92-964013/REB 92-01 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 4): Arlington Blending and Packaging, Shelby County, Arlington, TN. (First Remedial Action), June 1991.
PB92-964014/REB 92-04 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 4): Maxey Flats Nuclear Disposal Site, Fleming County, KY. (First Remedial Action), September 1991.
PB92-964015/REB 92-04 PC **A09**/MF **A03**

Superfund Record of Decision (EPA Region 4): Interstate Lead (ILCO), Jefferson County, Leeds, AL. (First Remedial Action), September 1991.
PB92-964016/REB 92-04 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 4): Carolina Transformer Site, Cumberland County, Fayetteville, NC. (First Remedial Action), August 1991.
PB92-964017/REB 92-04 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 4): Velsicol Chemical, (First Operable Unit), Toone, TN. (First Remedial Action), June 1991.
PB92-964020/REB 92-04 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 4): Ciba-Geigy, Washington County, McIntosh, AL. (Second Remedial Action), September 1991.
PB92-964021/REB 92-04 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 4): Oak Ridge Reservation (USDOE), (Operable Unit 3), Anderson County, Oak Ridge, TN. (Second Remedial Action), September 1991.
PB92-964022/REB 92-04 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 4): Charles Macon Lagoon and Drum Storage, Richmond County, Cordova, NC. (First Remedial Action), September 1991.
PB92-964023/REB 92-04 PC **A07**/MF **A02**

Superfund Record of Decision (EPA Region 5): Acme Solvent Reclaiming, Winnebago County, IL. (Second Remedial Action), December 1990.
PB92-964101/REB 92-01 PC **A05**/MF **A02**

Superfund Record of Decision (EPA Region 5): Oak Grove Sanitary Landfill, Anoka County, MN. (Second Remedial Action), December 1990.
PB92-964102/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 5): Organic Chemicals, Grandville, MI. (First Remedial Action), September 1991.
PB92-964103/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 5): Novaco Industries, MI. (First Remedial Action), (Amendment), September 1991.
PB92-964104/REB 92-01 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 5): Rasmussen's Dump Site, Green Oak Township, Livingston County, MI. (First Remedial Action), March 1991.
PB92-964105/REB 92-01 PC **A09**/MF **A02**

Superfund Record of Decision (EPA Region 5): G and H Industrial Landfill Site, Macomb County, MI. (First Remedial Action), December 1990.
PB92-964106/REB 92-01 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 5): Main Street Well Field, Elkhart, IN. (Second Remedial Action), March 1991.
PB92-964107/REB 92-01 PC **A05**/MF **A01**

Superfund Record of Decision (EPA Region 5): Folkertsma Refuse Site, Walker, MI. (First Remedial Action), June 1991.
PB92-964108/REB 92-01 PC **A05**/MF **A01**

Superfund Record of Decision (EPA Region 5): Conrail Railyard, Elkhart County, IN. (First Remedial Action), June 1991.
PB92-964109/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 5): Verona Well Field Site, Battle Creek, MI. (Second Remedial Action), June 1991.
PB92-964110/REB 92-01 PC **A08**/MF **A02**

Superfund Record of Decision (EPA Region 5): Fadrowski Drum Disposal Site, Franklin, WI. (First Remedial Action), June 1991.
PB92-964111/REB 92-01 PC **A05**/MF **A01**

Superfund Record of Decision (EPA Region 5): Motor Wheel Disposal Site, Lansing, MI. (First Remedial Action), September 1991.
PB92-964112/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 5): Washington County Landfill, Lake Elmo, MN. (Second Remedial Action), November 1990.
PB92-964113/REB 92-01 PC **A05**/MF **A01**

Superfund Record of Decision (EPA Region 5): Anderson Development Company Site, Lenawee County, Adrian, MI. (First Remedial Action), (Amendment), September 1991.
PB92-964114/REB 92-01 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 5): Allied Chemical and Ironton Coke, Ironton, OH. (Second Remedial Action), December 1990.
PB92-964115/REB 92-01 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 5): Enviro-Chem (Northside Sanitary Landfill), Zionsville, IN. (First Remedial Action), (Amendment), June 1991.
PB92-964116/REB 92-01 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 5): Northside Sanitary Landfill (Enviro-Chem), Zionsville, IN. (First Remedial Action), (Amendment), June 1991.
PB92-964117/REB 92-01 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 5): Summit National Liquid Disposal Service, Deerfield, OH. (First Remedial Action), (Amendment), November 1990.
PB92-964118/REB 92-01 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 5): Pine Bend Sanitary Landfill, Dakota County, City of Inver Grove Heights, MN. (First Remedial Action), September 1991.
PB92-964119/REB 92-01 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 5): Pagel's Pit Site, Winnebago County, IL. (First Remedial Action), June 1991.
PB92-964120/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 5): MacGillis and Gibbs/Bell Lumber and Pole Co., New Brighton, MN. (First Remedial Action), September 1991.
PB92-964121/REB 92-01 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 5): Zanesville Well Field Site, Zanesville, OH. (First Remedial Action), September 1991.
PB92-964122/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 5): Buckeye Reclamation Landfill Site, Belmont County, OH. (First Remedial Action), August 1991.
PB92-964123/REB 92-04 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 5): Lemberger Transport and Recycling, Manitowoc County, WI. (First Remedial Action), September 1991.
PB92-964124/REB 92-04 PC **A05**/MF **A01**

Superfund Record of Decision (EPA Region 5): Carter Industrials Site, Detroit, MI. (First Remedial Action), September 1991.
PB92-964126/REB 92-04 PC **A08**/MF **A02**

Superfund Record of Decision (EPA Region 5): Ossineke Groundwater Contamination Site, Alpena County, Ossineke, MI. (First Remedial Action), June 1991.
PB92-964127/REB 92-04 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 5): Stoughton City Landfill Site, Stoughton, WI. (First Remedial Action), September 1991.
PB92-964128/REB 92-04 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 5): National Presto Industries, Eau Claire, WI. (Second Remedial Action), September 1991.
PB92-964129/REB 92-04 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 5): South Macomb Disposal No. 9 and 9A, Macomb County, MI. (First Remedial Action), August 1991.
PB92-964130/REB 92-04 PC **A05**/MF **A01**

Superfund Record of Decision (EPA Region 5): Fultz Landfill, Byesville, OH. (First Remedial Action), September 1991.
PB92-964131/REB 92-04 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 5): Berlin and Farro Site, Swartz Creek, MI. (First Remedial Action), September 1991.
PB92-964132/REB 92-04 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 5): Lemberger Landfill Site, Manitowoc County, WI. (First Remedial Action), September 1991.
PB92-964133/REB 92-04 PC **A05**/MF **A01**

Superfund Record of Decision (EPA Region 5): Michigan Disposal Service (Cork Street) Landfill, Kalamazoo, MI. (First Remedial Action), September 1991.
PB92-964134/REB 92-04 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 5): Thermo Chem Site, (Operable Unit 1), Muskegon County, MI. (First Remedial Action), September 1991.
PB92-964135/REB 92-04 PC **A05**/MF **A01**

Superfund Record of Decision (EPA Region 5): Better Brite Plating Chrome and Zinc, De Pere, WI. (First Remedial Action), June 1991.
PB92-964139/REB 92-04 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 5): Kentwood Landfill, Kentwood, MI. (First Remedial Action), March 1991.
PB92-964140/REB 92-04 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 5): Southeast Rockford Groundwater Contamination, Rockford, IL. (First Remedial Action), June 1991.
PB92-964141/REB 92-04 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 6): Cimarron Mining Site, Operable Unit 2, Carrizozo, NM. (Second Remedial Action), September 1991.
PB92-964201/REB 92-01 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 6): Petro-Chemical (Turtle Bayou), Liberty County, TX. (Second Remedial Action), September 1991.
PB92-964202/REB 92-01 PC **A07**/MF **A02**

Superfund Record of Decision (EPA Region 7): People's Natural Gas Coal Gasification Site, Dubuque, IA. (First Remedial Action), September 1991.
PB92-964301/REB 92-01 PC **A05**/MF **A01**

Superfund Record of Decision (EPA Region 7): Ellisville Area Site, St. Louis County, Ellisville, MO. (First Remedial Action), (Amendment), September 1991.
PB92-964302/REB 92-01 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 7): Hastings Groundwater Contamination (Operable Unit 10), Hastings, NE. (Seventh Remedial Action), September 1991.
PB92-964303/REB 92-01 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 7): Hastings Ground Water Contamination (Operable Unit 1), Hastings, NE. (Second Remedial Action), September 1991.
PB92-964304/REB 92-04 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 7): Kem-Pest Laboratories Site, Cape Girardeau County, MO. (Second Remedial Action), December 1990.
PB92-964305/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 7): E.I. Dupont De Nemours (County Road X23), Lee County, West Point, IA. (First Remedial Action), May 1991.
PB92-964306/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 7): Lee Chemical Site, Liberty, MO. (First Remedial Action), March 1991.
PB92-964307/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 7): John Deere (Ottumwa Works Landfill), Ottumwa, IA. (First Remedial Action), September 1991.
PB92-964308/REB 92-04 PC **A05**/MF **A01**

Superfund Record of Decision (EPA Region 7): Shaw Avenue Dump Site, Charles City, Floyd County, IA. (First Remedial Action), September 1991.
PB92-964309/REB 92-04 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 7): Mid-America Tanning Site, Sergeant Bluff, IA. (First Remedial Action), September 1991.
PB92-964310/REB 92-04 PC **A07**/MF **A02**

Superfund Record of Decision (EPA Region 7): Lehigh Portland Cement Company, Mason City, IA. (First Remedial Action), June 1991.
PB92-964311/REB 92-04 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 8): Hill Air Force Base, Operable Unit 2, Chemical Disposal Pit 3, Site WP07, Davis and Weber Counties, UT. (First Remedial Action), September 1991.
PB92-964401/REB 92-01 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 8): Broderick Wood Products, Adams County, CO. (First Remedial Action), (Amendment), September 1991.
PB92-964402/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 8): Rocky Mountain Arsenal (Operable Unit 26), CO. (Tenth Remedial Action), September 1991.
PB92-964403/REB 92-04 PC **A09**/MF **A02**

Superfund Record of Decision (EPA Region 8): Anaconda Smelter Site, (Operable Unit 11 - Flue Dust), Deer Lodge County, Anaconda, MT. (Second Remedial Action), September 1991.
PB92-964404/REB 92-04 PC **A10**/MF **A03**

Superfund Record of Decision (EPA Region 8): Rocky Mountain Arsenal (Operable Unit 21), CO. (Ninth Remedial Action), June 1991.
PB92-964405/REB 92-04 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 8): Central City-Clear Creek Site, (Operable Unit 3), Clear Creek and Gilpin Counties, CO. (Third Remedial Action), September 1991.
PB92-964406/REB 92-04 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 8): Chemical Sales, (New Location), (Operable Unit 3), Adams County, CO. (Third Remedial Action), June 1991.
PB92-964410/REB 92-04 PC **A09**/MF **A02**

Superfund Record of Decision (EPA Region 9): South Bay Asbestos Area, San Jose, CA. (First Remedial Action), (Amendment), June 1991.
PB92-964501/REB 92-01 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 9): National Semiconductor (Monolithic Memories), CA. (First Remedial Action), September 1991.
PB92-964502/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 9): Monolithic Memories (Advanced Micro Devices - Arques) (National Semiconductor), CA. (First Remedial Action), September 1991.
PB92-964503/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 9): Advanced Micro Devices 901, (Signetics), (TRW Microwave), Sunnyvale, CA. (First Remedial Action), September 1991.
PB92-964504/REB 92-04 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 9): Teledyne Semiconductor (Spectra Physics), Mountain View, CA. (First Remedial Action), March 1991.
PB92-964505/REB 92-01 PC **A05**/MF **A01**

Superfund Record of Decision (EPA Region 9): Van Waters and Rogers, San Jose, CA. (First Remedial Action), September 1991.
PB92-964506/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 9): Signetics (Advanced Micro Devices 901) (TRW Microwave), Sunnyvale, CA. (First Remedial Action), September 1991.
PB92-964507/REB 92-01 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 9): Castle Air Force Base, Merced County, CA. (First Remedial Action), August 1991.
PB92-964508/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 9): Indian Bend Wash Area (Operable Units 1, 4, 5, 6), AZ. (Second Remedial Action), September 1991.
PB92-964509/REB 92-01 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 9): Atlas Asbestos Mine, Fresno County, CA. (Second Remedial Action), February 1991.
PB92-964510/REB 92-01 PC **A07**/MF **A02**

Superfund Record of Decision (EPA Region 9): Micro Storage/Intel Magnetics, Santa Clara, CA. (First Remedial Action), August 1991.
PB92-964511/REB 92-04 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 9): FMC (Fresno Plant), Fresno, CA. (First Remedial Action), June 1991.
PB92-964512/REB 92-04 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 9): Mesa Area Ground Water Contamination, Mesa, AZ. (First Remedial Action), September 1991.
PB92-964514/REB 92-04 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 9): Sola Optical USA, Inc., Petaluma, CA. (First Remedial Action), September 1991.
PB92-964515/REB 92-04 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 9): CTS Printex Corporation, Mountain View, CA. (First Remedial Action), June 1991.
PB92-964516/REB 92-04 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 9): Valley Wood Preserving Site, Turlock, CA. (First Remedial Action), September 1991.
PB92-964517/REB 92-04 PC **A07**/MF **A02**

Superfund Record of Decision (EPA Region 9): TRW Microwave, (Advanced Micro Devices 901), (Signetics), Sunnyvale, CA. (First Remedial Action), September 1991.
PB92-964518/REB 92-04 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 9): Spectra-Physics, (Teledyne Semiconductor), Mountain View, CA. (First Remedial Action), March 1991.
PB92-964519/REB 92-04 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 9): Advanced Micro Devices 915, Sunnyvale, CA. (First Remedial Action), August 1991.
PB92-964520/REB 92-04 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 10): Bunker Hill Mining and Metallurgical Complex, Shoshone County, ID. (First Remedial Action), August 1991.
PB92-964601/REB 92-01 PC **A07**/MF **A02**

Superfund Record of Decision (EPA Region 10): Northwest Transformer-Mission Pole, Whatcom County, WA. (First Remedial Action), (Amendment), September 1991.
PB92-964602/REB 92-01 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 10): Bangor Naval Submarine Base, Site F (Operable Unit 2), Bangor, WA. (First Remedial Action), September 1991.
PB92-964603/REB 92-01 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 10): Commencement Bay-Nearshore/Tideflats (Operable Unit 7), Tacoma, WA. (Third Remedial Action), December 1990.
PB92-964604/REB 92-01 PC **A17**/MF **A04**

Superfund Record of Decision (EPA Region 10): American Lake Gardens (McChord AFB - Area D), Pierce County, WA. (First Remedial Action), September 1991.
PB92-964605/REB 92-04 PC **A05**/MF **A02**

Superfund Record of Decision (EPA Region 10): Union Pacific Railroad Yard, Bannock County, Pocatello, ID. (First Remedial Action), September 1991.
PB92-964606/REB 92-04 PC **A08**/MF **A02**

Superfund Record of Decision (EPA Region 10): Yakima Plating Facility, Yakima, WA. (First Remedial Action), September 1991.
PB92-964607/REB 92-04 PC **A05**/MF **A01**

Superfund: Record of Decision.
PB92-964700/REB 92-01 Standing Order

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PB92-191147/REB 92-01 PC **A03**/MF **A01**

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Hazardous Substance Research Centers Program. Program Summary FY 1991. Office of Exploratory Research.
PB92-224419/REB 92-04 PC **A12**/MF **A03**

HAZARDOUS SUBSTANCES

Hazardous Substance Research Centers Program. Program Summary FY 1991. Office of Exploratory Research.
PB92-224419/REB 92-04 PC **A12**/MF **A03**

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PB92-110352/REB 92-01 PC **A03**/MF **A01**

International Symposium on Field Screening Methods for Hazardous Wastes and Toxic Chemicals (2nd), Proceedings. Held in Las Vegas, Nevada on February 12-14, 1991.
PB92-125764/REB 92-01 PC **A99**/MF **E08**

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PB92-196401/REB 92-04 PC **A01**/MF **A01**

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Health Effects Assessment Summary Tables.
PB92-921100/REB 92-01 Standing Order

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PB92-111863/REB 92-01 PC **A03**/MF **A01**

RED Facts: Heliothis zea NPV.
PB92-111871/REB 92-01 PC **A02**/MF **A01**

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PB92-150523/REB 92-01 PC **A03**/MF **A01**

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PB92-232768/REB 92-04 PC **A01**/MF **A01**

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Reregistration Eligibility Document (RED): Heptachlor.
PB92-191105/REB 92-01 PC **A06**/MF **A02**

RED Facts: Heptachlor.
PB92-192798/REB 92-01 PC **A02**/MF **A01**

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Microbial Degradation of Flurtamone in Three Georgia Soils.
PB92-101682/REB 92-01 PC **A02**/MF **A01**

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PB92-124734/REB 92-01 PC **A02**/MF **A01**

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PB92-145457/REB 92-01 PC **A02**/MF **A01**

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PB92-195882/REB 92-01 PC **A03**/MF **A01**

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Characterizing Heterogeneous Wastes: Methods and Recommendations (March 26-28, 1991).
PB92-216894/REB 92-04 PC **A08**/MF **A02**

HEXANEDIOIC ACID/BIS (ETHLHEXYL)-ESTER

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PB92-173343/REB 92-01 PC **A05**/MF **A01**

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PB92-101336/REB 92-01 PC **A06**/MF **A02**

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Comparative Analysis of Dioxins and Furans in Ambient Air by High Resolution and Electron Capture Mass Spectrometry.
PB92-206440/REB 92-04 PC **A02**/MF **A01**

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Superfund Innovative Technology Evaluation (SITE): Demonstration Bulletin. Flame Reactor, Horsehead Resource Development Company, Inc.
PB92-235613/REB 92-04 PC **A01**/MF **A01**

HIGH VOLUME PARTICLE SAMPLING

Evaluation of High Volume Particle Sampling and Sample Handling Protocols for Ambient Urban Air Mutagenicity Determinations.
PB92-188952/REB 92-01 PC **A02**/MF **A01**

HIGHT TEMPERATURE TESTS

Technology Evaluation Report: SITE Program Demonstration Test Horsehead Resource Development Company, Inc., Flame Reactor Technology, Monaca, Pennsylvania.
PB92-205855/REB 92-04 PC **A07**/MF **A02**

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PB92-110501/REB 92-01 PC **A02**/MF **A01**

Colchicine-Induced Deafferentation of the Hippocampus Selectively Disrupts Cholinergic Rhythmical Slow Wave Activity.
PB92-120476/REB 92-01 PC **A03**/MF **A01**

Spatial Learning Deficits Are Not Solely Due to Cholinergic Deficits Following Medial Septal Lesions with Colchicine.
PB92-206317/REB 92-04 PC **A03**/MF **A01**

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PB92-206333/REB 92-04 PC **A02**/MF **A01**

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Protocol for Testing the Effects of Fungal Pesticides on Nontarget Beetles Using 'Hippodamia convergens' (Coleoptera: Coccinellidae).
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Horsehead Resource Development Company, Inc. Flame Reactor Technology: Applications Analysis Report.
PB92-213214/REB 92-04 PC **A04**/MF **A01**

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Pollution Prevention Opportunity Assessment Histology Laboratory Xylene Use, Fort Carson, Colorado.
PB92-228436/REB 92-04 PC **A05**/MF **A01**

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Concentration and Transport of Polychlorinated Biphenyls in the Housatonic River between Great Barrington, Massachusetts, and Kent, Connecticut, 1984-88.
PB92-147719/REB 92-01 PC **A03**/MF **A01**

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Proceedings on the National United States Environmental Protection Agency Conference on Household Hazardous Waste Management (6th). Held in Seattle, Washington on December 3-7, 1991.
PB92-169390/REB 92-01 PC **A99**/MF **E08**

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Indoor Air Pollutants from Household Product Sources: Project Report.
PB92-136837/REB 92-01 PC **A08**/MF **A02**

Citizen Monitoring: Recommendations to Household Well Users.
PB92-227263/REB 92-04 PC **A01**/MF **A01**

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Recommended Foundation Fill Materials Construction Standard of the Florida Radon Research Program.
PB92-105865/REB 92-01 PC **A03**/MF **A01**

Parametric Analysis of the Installation and Operating Costs of Active Soil Depressurization Systems for Residential Radon Mitigation.
PB92-116037/REB 92-01 PC **A07**/MF **A02**

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PB92-120443/REB 92-01 PC **A03**/MF **A01**

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PB92-124148/REB 92-01 PC **A03**/MF **A01**

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Proceedings: 1989 International Conference on Municipal Waste Combustion. Volume 1. Sessions 0, 1, 2, and 3. Held in Hollywood, Florida, on April 11-14, 1989.
PB92-174663/REB 92-01 PC **A19**/MF **A04**

Proceedings: 1989 International Conference on Municipal Waste Combustion. Volume 2. Sessions 4, 5, and 6. Held in Hollywood, Florida on April 11-14, 1989.
PB92-174671/REB 92-01 PC **A19**/MF **A04**

Proceedings: 1989 International Conference on Municipal Waste Combustion. Volume 3. Sessions 7 and 8. Held in Hollywood, Florida, on April 11-14, 1989.
PB92-174689/REB 92-01 PC **A19**/MF **A04**

Proceedings: 1989 International Conference on Municipal Waste Combustion. Volume 4. Sessions 9, 10, 11, and 12. Held in Hollywood, Florida on April 11-14, 1989.
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Proceedings of the Workshop on Radon Potential Mapping, Florida Radon Research Program. Held in Gainesville, Florida on April 20, 1990.
PB92-115278/REB 92-01 PC **A04**/MF **A01**

Proceedings: The 1991 International Symposium on Radon and Radon Reduction Technology. Volume 1. Symposium Oral Papers Opening Session and Technical Sessions 1 through 5.
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PB92-120443/REB 92-01 PC **A03**/MF **A01**

National Radon Contractor Proficiency (RCP) Program. Proficiency Report, January 1992.
PB92-120914/REB 92-01 PC **A10**/MF **A03**

Sub-Slab Pressure Field Extension in Schools and Other Large Buildings.
PB92-121268/REB 92-01 PC **A03**/MF **A01**

Effect of Natural Ventilation on Radon and Radon Progeny Levels in Houses.
PB92-124148/REB 92-01 PC **A03**/MF **A01**

Indoor Air Pollutants from Household Product Sources: Project Report.
PB92-136837/REB 92-01 PC **A08**/MF **A02**

Co-Existing with Asbestos: A Look at the Engineering Research Program of the U.S. Environmental Protection Agency.
PB92-139419/REB 92-01 PC **A03**/MF **A01**

Time Spent in Activities, Locations, and Microenvironments: A California-National Comparison.
PB92-140789/REB 92-01 PC **A05**/MF **A01**

Recommended HVAC Standard of the Florida Radon Research Program.
PB92-147909/REB 92-01 PC **A03**/MF **A01**

Radon Pressure Differential Project, Phase 1, Florida Radon Research Program.
PB92-148519/REB 92-01 PC **A04**/MF **A01**

Assessment of Diagnostic Measurements for Selection for Residential Radon Mitigation.
PB92-153725/REB 92-01 PC **A03**/MF **A01**

Effects of Building Features on Indoor Air and Pollutant Movements.
PB92-153808/REB 92-01 PC **A03**/MF **A01**

Indoor Air Quality Data Base for Organic Compounds.
PB92-158468/REB 92-01 PC **A04**/MF **A01**

Asbestos Concentrations Two Years After Abatement in Seventeen Schools.
PB92-158476/REB 92-01 PC **A03**/MF **A01**

Polycyclic Aromatic Hydrocarbons and Their Derivatives in Indoor and Outdoor Air in an Eight-Home Study.
PB92-166701/REB 92-01 PC **A03**/MF **A01**

National Radon Measurement Proficiency Program: Individual Proficiency Report.
PB92-169473/REB 92-04 PC **A06**/MF **A02**

Radon Reduction and Radon-Resistant Construction Demonstrations in New York State.
PB92-174051/REB 92-01 PC **A20**/MF **A04**

Radon Prevention in the Design and Construction of Schools and other Large Buildings.
PB92-180298/REB 92-01 PC **A01**/MF **A01**

Exposure of Humans to a Volatile Organic Mixture. 1. Behavioral Assessment.
PB92-189018/REB 92-01 PC **A02**/MF **A01**

Comparison of Airborne Asbestos Levels Determined by Transmission Electron Microscopy (TEM) Using Direct and Indirect Transfer Techniques.
PB92-191113/REB 92-01 PC **A04**/MF **A01**

Sampling Polycyclic Aromatic Hydrocarbons and Related Semivolatile Organic Compounds in Indoor Air.
PB92-198274/REB 92-04 PC **A03**/MF **A01**

Costs of Radon Diagnostics and Mitigation in School Buildings.
PB92-198282/REB 92-04 PC **A03**/MF **A01**

Case Study of Radon Diagnostics and Mitigation in a New York State School.
PB92-198571/REB 92-04 PC **A02**/MF **A01**

Comparison of Data from an IAQ Test House with Predictions of an IAQ Computer Model.
PB92-198589/REB 92-04 PC **A03**/MF **A01**

Modeling Radon Entry into Florida Houses with Concrete Slabs and Concrete-Block Stem Walls.
PB92-201128/REB 92-04 PC **A06**/MF **A02**

National Radon Contractor Proficiency (RCP) Program. Proficiency Report, July 1992.
PB92-206150/REB 92-04 PC **A12**/MF **A03**

Indoor Radon and Radon Decay Product Measurement Device Protocols.
PB92-206176/REB 92-04 PC **A06**/MF **A02**

Exposure of Humans to a Volatile Organic Mixture. 3. Inflammatory Response.
PB92-217223/REB 92-04 PC **A02**/MF **A01**

Tests of Indoor Air Quality Sinks.
PB92-218346/REB 92-04 PC **A15**/MF **A03**

Apportionment of Residential Indoor Aerosol, VOC, and Aldehyde Species to Indoor and Outdoor Sources, and Their Source Strengths.
PB92-227370/REB 92-04 PC **A02**/MF **A01**

INDUCTION MOTORS

Fuzzy Logic Control of AC Induction Motors.
PB92-180207/REB 92-01 PC **A02**/MF **A01**

INDUSTRIAL EQUIPMENT

Waste Minimization Assessment for a Manufacturer of Speed Reduction Equipment.
PB92-104363/REB 92-01 PC **A01**/MF **A01**

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Degreasing System Pollution Prevention Evaluation.
PB92-139443/REB 92-01 PC **A03**/MF **A01**

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Exposure and Release Estimations for Filter Press and Tray Dryer Operations Based on Pilot Plant Data.
PB92-158450/REB 92-01 PC **A14**/MF **A03**

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Waste Minimization Assessment for a Manufacturer of Metal-Cutting Wheels and Components.
PB92-192145/REB 92-01 PC **A02**/MF **A01**

INDUSTRIAL SAFETY

Research and Development for Total-Flood Halon 1301 Replacements for Oil and Gas Production Facilities.
PB92-206515/REB 92-04 PC **A02**/MF **A01**

INDUSTRIAL WASTE TREATMENT

Technology Evaluation Report: SITE Program Demonstration Test Horsehead Resource Development Company, Inc., Flame Reactor Technology, Monaca, Pennsylvania.
PB92-205855/REB 92-04 PC **A07**/MF **A02**

INDUSTRIAL WASTES

Industrial Pollution Prevention Opportunities for the 1990s.
PB91-220376/REB 92-01 PC **A04**/MF **A01**

Guides to Pollution Prevention: The Marine Maintenance and Repair Industry.
PB91-228817/REB 92-01 PC **A04**/MF **A01**

Guides to Pollution Prevention: The Pharmaceutical Industry.
PB92-100080/REB 92-01 PC **A05**/MF **A01**

Application of Multispectral Techniques to the Precise Identification of Aldehydes in the Environment.
PB92-101419/REB 92-01 PC **A02**/MF **A01**

Multispectral Identification of Alkyl and Chloroalkyl Phosphates from an Industrial Effluent.
PB92-124353/REB 92-01 PC **A02**/MF **A01**

Achievements in Source Reduction and Recycling for Ten Industries in the United States.
PB92-137470/REB 92-01 PC **A04**/MF **A01**

Water Quality Model for a River Receiving Paper Mill Effluents and Conventional Sewage.
PB92-195643/REB 92-01 PC **A03**/MF **A01**

Production of Acetal, Amino, and Phenolic Resins.
PB92-213263/REB 92-04 PC **A08**/MF **A02**

Toxicity Reduction Evaluation: Case Histories at High Point and Fayetteville, North Carolina.
PB92-222231/REB 92-04 PC **A08**/MF **A02**

Tracking Toxic Substances at Industrial Facilities: Engineering Mass Balance versus Materials Accounting.
PB92-223213/REB 92-04 PC **A09**/MF **A02**

Genotoxicity of Industrial Wastes and Effluents. A Review.
PB92-227594/REB 92-04 PC **A03**/MF **A01**

INDUSTRY

Effects of Heavy Industrial Pollution on Respiratory Function in the Children of Cubatao, Brazil: A Preliminary Report.
PB92-217207/REB 92-04 PC **A02**/MF **A01**

INFLAMMATION

Response of a Human Bronchial Epithelial Cell Line to Histamine: Intracellular Calcium Changes and Extracellular Release of Inflammatory Mediators.
PB92-209329/REB 92-04 PC **A03**/MF **A01**

Exposure of Humans to a Volatile Organic Mixture. 3. Inflammatory Response.
PB92-217223/REB 92-04 PC **A02**/MF **A01**

Ozone-Induced Inflammatory Response in Pulmonary Cells.
PB92-232792/REB 92-04 PC **A04**/MF **A01**

INFLUENZA

Enhance and Prolonged Pulmonary Influenza Virus Infection Following Phosgene Inhalation.
PB92-124650/REB 92-01 PC **A03**/MF **A01**

INFORMATION DISSEMINATION

National Air Toxics Information Clearinghouse: Bibliography of Selected Reports and Federal Register Notices Related to Air Toxics. Volume 5. Citations, 1991.
PB92-111830/REB 92-01 PC **A10**/MF **A03**

National Air Toxics Information Clearinghouse: Ongoing Research and Regulatory Development Projects.
PB92-111905/REB 92-01 PC **A10**/MF **A03**

National Air Toxics Information Clearinghouse: Bibliography of Selected Reports and Federal Register Notices Related to Air Toxics. Index, 1991.
PB92-111913/REB 92-01 PC **A21**/MF **A04**

NATICH Data Base Report on State, Local and EPA Air Toxics Activities, September 1991.
PB92-143700/REB 92-01 PC **A99**/MF **A06**

INFORMATION MANAGEMENT

Inside the Hotline: A Compilation of 1991 Monthly Hotline Reports.
PB92-131390/REB 92-01 PC **A04**/MF **A01**

Access EPA: Public Information Tools, Major EPA Dockets, Clearinghouses and Hotlines, Records Management Programs, Major EPA Environmental Databases, Library and Information Services, State Environmental Libraries, EPA Scientific Models New for 1992. 1992 Edition.
PB92-147438/REB 92-04 PC**$21.00**

INFORMATION RETRIEVAL

Permit Tracking System (PTS): A User's Manual.
PB92-105659/REB 92-01 PC **A08**/MF **A02**

Permit Tracking System (PTS), Version 1.0 (for Microcomputers).
PB92-500347/REB 92-01 CP **D03**

INFORMATION SERVICES

Directory of OAQPS Information Services, May 1992.
PB92-198654/REB 92-01 PC **A03**/MF **A01**

Control Technology Center FY91: A Fifth Year of Growth.
PB92-238468/REB 92-04 PC **A04**/MF **A01**

INFORMATION SYSTEMS

PIRLA DBMS Quick Reference Guide.
PB92-110824/REB 92-01 PC **A08**/MF **A02**

Global Ecosystems Database. Version 0.1 (Beta-test). EPA Global Climate Research Program. NOAA/NGDC Global Change Database Program. Prototype 1. Database Documentation. NGDC Key to Geophysical Records Documentation No. 25.
PB92-122803/REB 92-01 PC **A16**/MF **A03**

Design, Development, and Implementation of AIRS' Area and Mobile Source Subsystem.
PB92-124213/REB 92-01 PC **A03**/MF **A01**

Superfund Soils Data Management System.
PB92-139476/REB 92-01 PC **A02**/MF **A01**

Vendor Information System for Innovative Treatment Technologies. User Manual (VISITT Version 1.0). Number 1.
PB92-221647/REB 92-04 PC **A03**/MF **A01**

Vendor Information System for Innovative Treatment Technologies (VISITT). Number 1.
PB92-224716/REB 92-04 PC **A02**/MF **A01**

U.S. EPA Nonpoint Source Information Exchange Computer Bulletin Board System (BBS). User's Manual.
PB92-228048/REB 92-04 PC **A04**/MF **A01**

Complex Effluent Toxicity Information System (CETIS) (for Microcomputers).
PB92-501899/REB 92-01 CP **D04**

INFORMATION TRANSFER

INFOTERRA/USA Directory of Environmental Sources.
PB92-102433/REB 92-01 PC **A20**/MF **A04**

Environmental Monitoring and Assessment Program: 1991 Project Descriptors.
PB92-114479/REB 92-01 PC **A06**/MF **A02**

Carpet Policy Dialogue. Compendium Report, September 27, 1991.
PB92-115005/REB 92-01 PC **A99**/MF **A06**

EPA's Control Technology Center: Technical Support to Federal, State, and Local Agencies.
PB92-198233/REB 92-04 PC **A02**/MF **A01**

Effects of Section 404 Permitting on Freshwater Wetlands in Louisiana, Alabama, and Mississippi.
PB92-217439/REB 92-04 PC **A03**/MF **A01**

Emergency Planning and Community Right-to-Know Act: Section 313 Release Reporting Requirements.
PB92-226216/REB 92-04 PC **A03**/MF **A01**

Information Integration for Environmental Monitoring and Assessment: An Annotated Bibliography.
PB92-227461/REB 92-04 PC **A03**/MF **A01**

Introduction to Water Quality Standards.
PB92-231646/REB 92-04 PC **A03**/MF **A01**

EMPA Monitor - March 1992 Edition.
PB92-239557/REB 92-04 PC **A03**/MF **A01**

INFRARED SPECTROMETERS

Long-Path FTIR Measurements of Volatile Organic Compounds in an Industrial Setting (July 1989-April 1991).
PB92-206424/REB 92-04 PC **A02**/MF **A01**

INFRARED SPECTROSCOPY

Evaluation of the Fourier Transform Infrared Spectrometer for Particle-Associated Ammonium Sulfate Determination.
PB92-160084/REB 92-01 PC **A04**/MF **A01**

Evaluation of Gas Chromatography/Matrix Isolation Infrared Spectrometry for the Determination of Semivolatile Organic Compounds in Air Sample Extracts.
PB92-166651/REB 92-01 PC **A03**/MF **A01**

INGHAM COUNTY (MICHIGAN)

Superfund Record of Decision (EPA Region 5): Motor Wheel Disposal Site, Lansing, MI. (First Remedial Action), September 1991.
PB92-964112/REB 92-01 PC **A04**/MF **A01**

INJECTION

Sorbent/Urea Slurry Injection for Simultaneous SO2/NOx Removal.
PB92-195817/REB 92-01 PC **A02**/MF **A01**

Parametric Evaluation of Powdered Activated Carbon Injection for Control of Mercury Emissions from a Municipal Waste Combustor.
PB92-195940/REB 92-01 PC **A03**/MF **A01**

INJECTION WELLS

Detecting Water Flow Behind Pipe in Injection Wells.
PB92-239532/REB 92-04 PC **A05**/MF **A01**

INKS

Control of VOC Emissions from Ink and Paint Manufacturing Processes.
PB92-190230/REB 92-01 PC **A09**/MF **A02**

INLAND SILVERSIDES

Reproductive Ecology of the Inland Silverside, 'Menidia beryllina', (Pisces: Atherinidae) from Blackwater Bay, Florida.
PB92-195775/REB 92-01 PC **A03**/MF **A01**

INLETS

Numerical Calculation: Aspiration Efficiency of Aerosols into Thin-Walled Sampling Inlets.
PB92-132901/REB 92-01 PC **A06**/MF **A02**

INNOVATIVE TREATMENT TECHNOLOGIES

Innovative Treatment Technologies: Semi-Annual Status Report. (Third Edition).
PB92-173210/REB 92-01 PC **A05**/MF **A01**

Vendor Information System for Innovative Treatment Technologies. User Manual (VISITT Version 1.0). Number 1.
PB92-221647/REB 92-04 PC **A03**/MF **A01**

Technology Evaluation Report: Babcock and Wilcox Cyclone Furnace Vitrification Technology. Volume 1.
PB92-222215/REB 92-04 PC **A06**/MF **A02**

Technology Evaluation Report: Babcock and Wilcox Cyclone Furnace Vitrification Technology. Volume 2.
PB92-222223/REB 92-04 PC **A15**/MF **A03**

Superfund Innovative Technology Evaluation Program: Progress and Accomplishments, Fiscal Year 1990. A Fourth Report to Congress.
PB92-224799/REB 92-04 PC **A05**/MF **A01**

Citizen's Guide to In situ Soil Flushing.
PB92-233113/REB 92-04 PC **A02**/MF **A01**

Citizen's Guide to Innovative Treatment Technologies for Contaminated Soils, Sludges, Sediments and Debris.
PB92-235563/REB 92-04 PC **A02**/MF **A01**

Citizen's Guide to Bioventing.
PB92-235571/REB 92-04 PC **A01**/MF **A01**

Citizen's Guide to Using Indigenous and Exogenous Microorganisms in Bioremediation.
PB92-235589/REB 92-04 PC **A01**/MF **A01**

Citizen's Guide to Air Sparging.
PB92-235597/REB 92-04 PC **A01**/MF **A01**

Evaluation of Soil Venting Application. Ground Water Issue.
PB92-235605/REB 92-04 PC **A02**/MF **A01**

INORGANIC COMPOUNDS

Facilitated Transport of Inorganic Contaminants in Ground Water: Part 2. Colloidal Transport.
PB92-114503/REB 92-01 PC **A03**/MF **A01**

Inorganic Contract Compliance Screening System Software for the PC (SOW March 1990 Version 1). User Manual.
PB92-145598/REB 92-01 PC **A07**/MF **A02**

Transport of Inorganic Colloids through Natural Aquifer Material: Implications for Contaminant Transport.
PB92-158690/REB 92-01 PC **A02**/MF **A01**

Stability and Transport of Inorganic Colloids through Contaminated Aquifer Material.
PB92-164839/REB 92-01 PC **A02**/MF **A01**

Surface-Charge Repulsive Effects on the Mobility of Inorganic Colloids in Surface Systems. Annual Colloid and Surface Science Symposium (65th). Held in Norman, Oklahoma on June 17-19, 1991.
PB92-191139/REB 92-01 PC **A03**/MF **A01**

Inorganic Chemical Characterization of Water Treatment Plant Residuals.
PB92-198563/REB 92-04 PC **A08**/MF **A02**

Inorganic Contract Compliance Screening System (ICCSS) Software (SOW March 1990) (Version 1) (for Microcomputers).
PB92-501519/REB 92-01 CP **D02**

INORGANIC CONTRACT COMPLIANCE SCREENING SYSTEM

Inorganic Contract Compliance Screening System Software for the PC (SOW March 1990 Version 1). User Manual.
PB92-145598/REB 92-01 PC **A07**/MF **A02**

Inorganic Contract Compliance Screening System (ICCSS) Software (SOW March 1990) (Version 1) (for Microcomputers).
PB92-501519/REB 92-01 CP **D02**

INSECTICIDES

Pesticide Fact Sheet Number 227: Gokilaht.
PB92-110006/REB 92-01 PC **A02**/MF **A01**

INSPECTION

IM240 Transient I/M Dynamometer Driving Schedule and the Composite I/M Test Procedure.
PB92-104405/REB 92-01 PC **A03**/MF **A01**

Recommended I/M Short Test Procedures for the 1990's: Six Alternatives.
PB92-104439/REB 92-01 PC **A03**/MF **A01**

I/M Network Type: Effects on Emission Reductions, Cost, and Convenience. Technical Information Document.
PB92-104447/REB 92-01 PC **A04**/MF **A01**

Integrating On-Board Diagnostic System Capabilities into the Inspection and Repair Functions of I/M Programs.
PB92-104454/REB 92-01 PC **A03**/MF **A01**

Guidelines for Asbestos NESHAP Demolition and Renovation Inspection Procedures.
PB92-132836/REB 92-01 PC **A07**/MF **A02**

Multi-Media Investigation Manual.
PB92-161553/REB 92-01 PC **A12**/MF **A03**

Inspection Techniques for the Fabrication of Geomembrane Field Seams.
PB92-188770/REB 92-01 PC **A02**/MF **A01**

Guide to Management of Investigation-Derived Wastes.
PB92-963353/REB 92-01 PC **A02**/MF **A01**

INSPECTIONS

Technical Guidance Document: Inspection Techniques for the Fabrication of Geomembrane Field Seams.
PB92-109057/REB 92-01 PC **A08**/MF **A02**

INSTRUCTIONS

Emergency Exemptions under Section 18 of the Federal Insecticide Fungicide and Rodenticide Act. 2. Instructions for Submission of Emergency Exemption Applications.
PB92-183243/REB 92-04 PC **A03**/MF **A01**

Preserving Our Future Today: Your Guide to the United States Environmental Protection Agency.
PB92-226190/REB 92-04 PC **A03**/MF **A01**

INSTRUMENTAL CONDITIONING

Serial Spatial Reversal Learning in Rats: Comparison of Instrumental and Automaintenance Procedures.
PB92-143940/REB 92-01 PC **A02**/MF **A01**

INTEGRATED PEST MANAGEMENT

NERISK: An Expert System to Enhance the Integration of Pesticides with Anthropod Biological Control.
PB92-124254/REB 92-01 PC **A02**/MF **A01**

INTERLABORATORY COMPARISON
Direct/Delayed Response Project: Soil Characterization Comparison.
PB92-153428/REB 92-01 PC **A16**/MF **A03**

INTERLABORATORY COMPARISONS
Interlaboratory Comparison of Thermospray and Particle Beam Liquid Chromatography/Mass Spectrometry Interfaces: Evaluation of a Chlorinated Phenoxy Acid Herbicide Liquid Chromatography/Mass Spectrometry Analysis Method.
PB92-124734/REB 92-01 PC **A02**/MF **A01**

Interlaboratory Comparison of Motor Activity Experiments: Implications for Neurotoxicological Assessments.
PB92-143916/REB 92-01 PC **A03**/MF **A01**

Possible Approaches to Establishing Interlaboratory Comparability of Measurements of Polychlorinated Biphenyls in Human Serum.
PB92-144062/REB 92-01 PC **A02**/MF **A01**

Interlaboratory Study of Cellular Fluorescence Intensity Measurements with Fluorescein-Labeled Microbead Standards.
PB92-153881/REB 92-01 PC **A03**/MF **A01**

Interlaboratory Study of Cellular Fluorescence Intensity Measurements with Fluorescein-Labeled Microbead Standards.
PB92-153899/REB 92-01 PC **A03**/MF **A01**

Acid Aerosol Measurement Intercomparison Workshop. Held in Research Triangle Park, North Carolina on April 10-11, 1991.
PB92-191097/REB 92-01 PC **A15**/MF **A03**

Acid Aerosol Measurement Methods: Studies of Extraction and Analytical Effects.
PB92-191154/REB 92-01 PC **A02**/MF **A01**

INTERNAL COMBUSTION ENGINES
Application for Certification 1991 Model Year Light-Duty Vehicles - Audi.
PB91-242644/REB 92-01 PC **A99**/MF **E99**

Application for Certification 1991 Model Year Light-Duty Vehicles - BMW.
PB91-242651/REB 92-01 PC **A99**/MF **E08**

Application for Certification 1991 Model Year Light-Duty Vehicles - Ferrari - Fiat.
PB91-242669/REB 92-01 PC **A07**/MF **A02**

Application for Certification 1991 Model Year Light-Duty Vehicles - Ford.
PB91-242677/REB 92-01 PC **A99**/MF **E19**

Application for Certification 1991 Model Year Light-Duty Trucks - Ford.
PB91-242685/REB 92-01 PC **A99**/MF **E11**

Application for Certification 1991 Model Year Light-Duty Vehicles - Fuji.
PB91-242693/REB 92-01 PC **A99**/MF **A06**

Application for Certification 1991 Model Year Light-Duty Vehicles - General Motors.
PB91-242701/REB 92-01 PC **A99**/MF **E99**

Application for Certification 1991 Model Year Light-Duty Trucks - Isuzu Motors.
PB91-242719/REB 92-01 PC **A19**/MF **A04**

Application for Certification 1991 Model Year Light-Duty Vehicles - Isuzu Motors.
PB91-242727/REB 92-01 PC **A13**/MF **A03**

Application for Certification 1991 Model Year Light-Duty Vehicles and Light-Duty Trucks - Nissan.
PB91-242735/REB 92-01 PC **A99**/MF **E99**

Application for Certification 1991 Model Year Light-Duty Vehicles - Volkswagen.
PB91-242743/REB 92-01 PC **A99**/MF **E99**

Application for Certification 1991 Model Year Heavy-Duty Diesel Engines - Mack Truck.
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Application for Certification 1991 Model Year Heavy-Duty Engines - Navistar.
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Application for Certification 1992 Model Year Light-Duty Trucks - Chrysler.
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Application for Certification 1992 Model Year Light-Duty Trucks - Chrysler Jeep.
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Application for Certification 1992 Model Year Light-Duty Vehicles - Chrysler.
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Application for Certification 1992 Model Year Light-Duty Vehicles - General Motors.
PB92-122316/REB 92-01 PC **A99**/MF **E99**

Application for Certification 1992 Model Year Light-Duty Vehicles - Grumman Olson.
PB92-122324/REB 92-01 PC **A08**/MF **A02**

Application for Certification 1992 Model Year Light-Duty Vehicles - Honda.
PB92-122332/REB 92-01 PC **A99**/MF **A06**

Application for Certification 1992 Model Year Light-Duty Vehicles - Hyundai.
PB92-122340/REB 92-01 PC **A12**/MF **A03**

Application for Certification 1992 Model Year Light-Duty Vehicles - Isuzu.
PB92-122357/REB 92-01 PC **A24**/MF **A04**

Application for Certification 1992 Model Year Light-Duty Trucks - Isuzu.
PB92-122365/REB 92-01 PC **A13**/MF **A03**

Application for Certification 1992 Model Year Light-Duty Trucks - Mazda.
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Application for Certification 1992 Model Year Light-Duty Vehicles - Mazda.
PB92-122381/REB 92-01 PC **A99**/MF **E08**

Application for Certification 1992 Model Year Light-Duty Vehicles - Mercedes Benz.
PB92-122399/REB 92-01 PC **A99**/MF **E14**

Application for Certification 1992 Model Year Light-Duty Vehicles - Mitsubishi.
PB92-122407/REB 92-01 PC **A99**/MF **E08**

Application for Certification 1992 Model Year Light-Duty Trucks - PAS Inc.
PB92-122415/REB 92-01 PC **A05**/MF **A01**

Application for Certification 1992 Model Year Light-Duty Vehicles - Rolls Royce.
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Application for Certification 1992 Model Year Light-Duty Vehicles - Subaru.
PB92-122431/REB 92-01 PC **A24**/MF **A04**

Application for Certification 1992 Model Year Light-Duty Trucks - Toyota.
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Application for Certification 1992 Model Year Light-Duty Vehicles - Toyota.
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Application for Certification 1992 Model Year Light-Duty Vehicles - Volkswagen.
PB92-122464/REB 92-01 PC **A99**/MF **E99**

Application for Certification 1992 Model Year Light-Duty Vehicles - Volvo Cars of North America.
PB92-122472/REB 92-01 PC **A99**/MF **E19**

Application for Certification 1992 Model Year Light-Duty Motorcycles - Yamaha.
PB92-122480/REB 92-01 PC **A21**/MF **A04**

Application for Certification 1992 Model Year Heavy-Duty Chrysler Otto Cycle.
PB92-122506/REB 92-01 PC **A12**/MF **A03**

Application for Certification 1992 Model Year Heavy-Duty Engines - Ford.
PB92-122514/REB 92-01 PC **A99**/MF **E08**

Application for Certification 1992 Model Year Heavy-Duty Diesel Engines - Hino Motors Inc.
PB92-122522/REB 92-01 PC **A06**/MF **A02**

Application for Certification 1992 Model Year Heavy-Duty Diesel Engines - Mercedes Benz.
PB92-122530/REB 92-01 PC **A03**/MF **A01**

Application for Certification 1992 Model Year Heavy-Duty Diesel Engines - Mitsubishi Motors Corporation.
PB92-122548/REB 92-01 PC **A04**/MF **A01**

Application for Certification 1992 Model Year Heavy-Duty Diesel Engines - Nissan.
PB92-122555/REB 92-01 PC **A10**/MF **A03**

Application for Certification 1992 Model Year Heavy-Duty Vehicles - Perkins.
PB92-122563/REB 92-01 PC **A10**/MF **A03**

Application for Certification 1990 Model Year Light-Duty Vehicles - BMW.
PB92-127968/REB 92-01 PC **A99**/MF **E99**

Application for Certification 1990 Model Year Light-Duty Vehicles - Honda.
PB92-127976/REB 92-01 PC **A22**/MF **A04**

Application for Certification 1990 Heavy-Duty Diesel - Detroit Diesel.
PB92-127984/REB 92-01 PC **A13**/MF **A03**

Application for Certification 1991 Model Year Light-Duty Trucks - Chrysler Jeep.
PB92-127992/REB 92-01 PC **A99**/MF **A06**

Application for Certification 1991 Model Year Light-Duty Trucks - Chrysler.
PB92-128008/REB 92-01 PC **A99**/MF **E11**

Application for Certification 1991 Model Year Light-Duty Vehicles - Chrysler.
PB92-128016/REB 92-01 PC **A99**/MF **E11**

Application for Certification 1991 Model Year Light-Duty Vehicles - Fiat.
PB92-128024/REB 92-01 PC **A13**/MF **A03**

Application for Certification 1991 Model Year Light-Duty Vehicles - American Honda.
PB92-128032/REB 92-01 PC **A99**/MF **E08**

Application for Certification 1991 Model Year Light-Duty Vehicles - Jaguar.
PB92-128040/REB 92-01 PC **A05**/MF **A01**

Application for Certification 1991 Model Year Light-Duty Vehicles - Mazda Motor Company.
PB92-128057/REB 92-01 PC **A99**/MF **E14**

Application for Certification 1991 Model Year Light-Duty Vehicles - Mercedes Benz.
PB92-128065/REB 92-01 PC **A99**/MF **E08**

Application for Certification 1991 Model Year Light-Duty Trucks - Mitsubishi.
PB92-128073/REB 92-01 PC **A99**/MF **A06**

Application for Certification 1991 Model Year Light-Duty Vehicles - Range Rover.
PB92-128081/REB 92-01 PC **A07**/MF **A02**

Application for Certification 1991 Model Year Light-Duty Vehicles - Sterling.
PB92-128099/REB 92-01 PC **A06**/MF **A02**

Application for Certification 1991 Model Year Light-Duty Vehicles - Volvo.
PB92-128107/REB 92-01 PC **A99**/MF **E19**

Application for Certification 1991 Model Year Heavy-Duty Gas - Chrysler.
PB92-128115/REB 92-01 PC **A06**/MF **A02**

Application for Certification 1991 Model Year Heavy-Duty Diesel Engines - Isuzu Motors.
PB92-128123/REB 92-01 PC **A10**/MF **A03**

Application for Certification 1991 Model Year Light-Duty Vehicles - SportsCar America, PUMA Division Inc.
PB92-182799/REB 92-04 PC **A03**/MF **A01**

Application for Certification 1992 Model Year Light-Duty Vehicles - BMW of North America, Inc.
PB92-182807/REB 92-04 PC **A99**/MF **E11**

Application for Certification 1993 Model Year Light-Duty Vehicles - Fiat Auto R and D U.S.A.
PB92-182815/REB 92-04 PC **A14**/MF **A03**

Application for Certification 1993 Model Year Light-Duty Trucks - Grumman Olson.
PB92-182823/REB 92-04 PC **A07**/MF **A02**

Application for Certification 1992 Model Year Light-Duty Vehicles - Lotus Cars, Ltd.
PB92-182831/REB 92-04 PC **A99**/MF **E08**

Application for Certification 1992 Model Year Light-Duty Vehicles - Infiniti, Nissan Motors Co., Ltd.
PB92-182849/REB 92-04 PC **A25**/MF **A06**

Application for Certification 1992 Model Year Light-Duty Vehicles - Maxima, Nissan Motors Co., Ltd.
PB92-182856/REB 92-04 PC **A25**/MF **A06**

Application for Certification 1992 Model Year Light-Duty Vehicles - Stanza, Nissan Motors Co., Ltd.
PB92-182864/REB 92-04 PC **A99**/MF **A06**

Application for Certification 1992 Model Year Light-Duty Trucks - Nissan Motors Co., Ltd.
PB92-182872/REB 92-04 PC **A17**/MF **A04**

Application for Certification 1992 Model Year Light-Duty Vehicles - Porsche.
PB92-182880/REB 92-04 PC **A99**/MF **A06**

Application for Certification 1992 Model Year Light-Duty Vehicles - Saab Cars USA, Inc.
PB92-182898/REB 92-04 PC **A19**/MF **A04**

Application for Certification 1993 Model Year Light-Duty Vehicles - Toyota Technical Center, U.S.A. Inc.
PB92-182906/REB 92-04 PC **A09**/MF **A03**

Application for Certification 1992 Model Year Heavy-Duty Vehicles - Mack Trucks.
PB92-182963/REB 92-04 PC **A12**/MF **A03**

Application for Certification 1992 Model Year Heavy-Duty Vehicles - Navistar International Corporation.
PB92-182971/REB 92-04 PC **A05**/MF **A01**

Application for Certification 1992 Model Year Heavy-Duty Vehicles - Winnebago Industries, Inc.
PB92-182989/REB 92-04 PC **A05**/MF **A01**

Application for Certification 1993 Model Year Heavy-Duty Vehicles - Winnebago Industries, Inc.
PB92-182997/REB 92-04 PC **A03**/MF **A01**

INTERNATIONAL COOPERATION
Asia Pacific Cleaner Production Conference: International Legislative Trends. Held in Melbourne, Australia on February 24-27, 1992.
PB92-180181/REB 92-01 PC **A02**/MF **A01**

INTERSUBJECT VARIABILITY
Intersubject Variability in Human Acute Ozone Responsiveness. Symposium Proceedings.
PB92-158666/REB 92-01 PC **A02**/MF **A01**

INVENTORIES
National Water Quality Inventory: 1990 Report to Congress.
PB92-227800/REB 92-04 PC **A11**/MF **A03**

INVERTEBRATES
Fate of 'Bacillus sphaericus' 2362 Spores Following Ingestion by Nontarget Invertebrates.
PB92-129774/REB 92-01 PC **A03**/MF **A01**

Bioaccumulation of Contaminants in Crabs and Clams in Bellingham Bay.
PB92-166867/REB 92-01 PC **A03**/MF **A01**

Reference Area Performance Standards for Puget Sound.
PB92-166917/REB 92-01 PC **A08**/MF **A02**

INVESTIGATIONS
Oil Tanker Waste Disposal Practices: A Review.
PB92-196047/REB 92-01 PC **A03**/MF **A01**

ION EXCHANGING
Removal of Radium from Drinking Water.
PB92-218320/REB 92-04 PC **A07**/MF **A02**

IOWA
National Priorities List Sites: Iowa.
PB92-963234/REB 92-01 PC **A05**/MF **A01**

IRON AND STEEL INDUSTRY
Controlling Odorous Emissions from Iron Foundries.
PB92-166925/REB 92-01 PC **A03**/MF **A01**

Alternative Control Techniques Document: For PM-10 Emissions from Ferrous Foundries.
PB92-180017/REB 92-01 PC **A07**/MF **A02**

IRONTON (OHIO)
Superfund Record of Decision (EPA Region 5): Allied Chemical and Ironton Coke, Ironton, OH. (Second Remedial Action), December 1990.
PB92-964115/REB 92-01 PC **A06**/MF **A02**

ISOPHORONE
Drinking Water Health Advisory for Isophorone.
PB92-135474/REB 92-01 PC **A03**/MF **A01**

ISOPRENE
Climate Change and Isoprene Emissions from Vegetation.
PB92-153865/REB 92-01 PC **A03**/MF **A01**

ISOXABEN
Pesticide Fact Sheet Number 232: Isoxaben.
PB92-160548/REB 92-01 PC **A02**/MF **A01**

JACKSON COUNTY (MISSISSIPPI)
Protecting Endangered Species: Interim Measures, Jackson County, Mississippi.
PB92-232495/REB 92-04 PC **A01**/MF **A01**

JEFFERSON BOROUGH (PENNSYLVANIA)
Superfund Record of Decision (EPA Region 3): Resin Disposal, Jefferson Borough, Allegheny County, PA. (First Remedial Action), June 1991.
PB92-963903/REB 92-01 PC **A04**/MF **A01**

KANSAS
National Priorities List Sites: Kansas.
PB92-963213/REB 92-01 PC **A04**/MF **A01**

KAOLINITE
Effects of pH, Solid/Solution Ratio, Ionic Strength, and Organic Acids on Pb and Cd Sorption on Kaolinite.
PB92-143981/REB 92-01 PC **A02**/MF **A01**

KARST HYDROLOGY
Application of Dye-Tracing Techniques for Determining Solute-Transport Characteristics of Ground Water in Karst Terranes.
PB92-231356/REB 92-04 PC **A06**/MF **A02**

KELP
Long-Term Changes in the Areal Extent of Tidal Marshes, Eelgrass Meadows and Kelp Forests of Puget Sound.
PB92-104496/REB 92-01 PC **A06**/MF **A02**

KENAI LAKES INVESTIGATION PROJECT
User's Guide and Data Dictionary for Kenai Lakes Investigation Project.
PB92-178961/REB 92-01 PC **A03**/MF **A01**

KENTUCKY
National Priorities List Sites: Kentucky.
PB92-963227/REB 92-01 PC **A04**/MF **A01**

KENTWOOD (MICHIGAN)
Superfund Record of Decision (EPA Region 5): Kentwood Landfill, Kentwood, MI. (First Remedial Action), March 1991.
PB92-964140/REB 92-04 PC **A04**/MF **A01**

KEPONE
Influence of Size on Fate and Ecological Effects of Kepone in Physical Models.
PB92-121326/REB 92-01 PC **A03**/MF **A01**

KIDNEY
Neural Factors in the Development of Renal Function: Effect of Neonatal Central Catecholaminergic Lesions with 6-Hydroxydopamine.
PB92-120492/REB 92-01 PC **A02**/MF **A01**

Alpha2u-Globulin: Association with Chemically Induced Renal Toxicity and Neoplasia in the Male Rat.
PB92-143668/REB 92-01 PC **A07**/MF **A02**

KIDNEY NEOPLASMS
Alpha2u-Globulin: Association with Chemically Induced Renal Toxicity and Neoplasia in the Male Rat.
PB92-143668/REB 92-01 PC **A07**/MF **A02**

Report of the EPA Peer Review Workshop on Alpha2U-Globulin: Association with Renal Toxicity and Neoplasia in the Male Rat. Held in Gaithersburg, MD. on November 13-14, 1990.
PB92-166826/REB 92-01 PC **A05**/MF **A01**

KILLIFISH
Abundant Males in Populations of a Selfing Hermaphrodite Fish, 'Rivulus marmoratus', from Some Belize Cays.
PB92-195783/REB 92-01 PC **A02**/MF **A01**

KINDLING (NEUROLOGY)
Potentiation of Inhibition with Perforant Path Kindling: An NMDA-Receptor Dependent Process.
PB92-120468/REB 92-01 PC **A02**/MF **A01**

Examination of the Anticonvulsant Properties of Voltage-Sensitive Calcium Channel Inhibitors in Amygdala Kindled Seizures.
PB92-166776/REB 92-01 PC **A02**/MF **A01**

Proconvulsant Activity of Endosulfan in Amygdala Kindling.
PB92-189000/REB 92-01 PC **A02**/MF **A01**

Characterization of Chemical Kindling with the Pesticide Endosulfan.
PB92-189059/REB 92-01 PC **A02**/MF **A01**

KINETICS
Development of Predictive Structure-Biodegradation Relationship Models with the Use of Respirometrically Generated Biokinetic Data.
PB92-191196/REB 92-01 PC **A03**/MF **A01**

Respirometric Methods for Determination of Biodegradability and Biodegradation Kinetics for Hazardous Organic Pollutant Compounds.
PB92-217108/REB 92-04 PC **A03**/MF **A01**

KINETOCHORES
Kinetochore-Staining of Spermatid Micronuclei: Studies of Mice Treated with X-Radiation or Acrylamide.
PB92-188994/REB 92-01 PC **A02**/MF **A01**

KLEBSIELLA PNEUMONIAE
Effect of the Method of Preparing Monochloramine upon Inactivation of MS2 Coliphage, 'Escherichia coli', and 'Klebsiella pneumoniae'.
PB92-217355/REB 92-04 PC **A02**/MF **A01**

KNOWLEDGE BASES (ARTIFICIAL INTELLIGENCE)
AL and the Environment: Knowledge-Based Tools for Environmental Decision Makers.
PB92-153345/REB 92-01 PC **A01**/MF **A01**

KNOX COUNTY (MAINE)
Superfund Record of Decision (EPA Region 1): Union Chemical, South Hope, ME. (First Remedial Action), December 1990.
PB92-963703/REB 92-01 PC **A13**/MF **A03**

KUWAIT
Chemical and Physical Properties of Emissions from Kuwait Oil Fires.
PB92-206481/REB 92-04 PC **A03**/MF **A01**

Environmental Crisis in the Gulf. The U.S. Response.
PB92-226182/REB 92-04 PC **A03**/MF **A01**

LA NINA
Effects of El Nino and La Nina on Seabird Assemblages in the Equatorial Pacific.
PB92-217405/REB 92-04 PC **A03**/MF **A01**

LABELS
Waste Minimization Assessment for a Manufacturer of Printed Labels.
PB92-104371/REB 92-01 PC **A02**/MF **A01**

Compact Label File - 1992 (Fiche 1 - 5261).
PB92-911699/REB 92-01 MF**$2640.00**

LABORATORIES
Manual for the Certification of Laboratories Analyzing Drinking Water. Criteria and Procedures Quality Assurance. Third Edition. Change 1.
PB92-150390/REB 92-01 PC **A03**/MF **A01**

Laboratory Spawning of Topsmelt, 'Atherinops affinis', with Notes on Culture and Growth of Larvae.
PB92-195759/REB 92-01 PC **A02**/MF **A01**

Pollution Prevention Opportunity Assessment Histology Laboratory Xylene Use, Fort Carson, Colorado.
PB92-228436/REB 92-04 PC **A05**/MF **A01**

LABORATORY ANIMALS
Lotus 1-2-3-Based System for Recording and Maintaining Body Weight of Laboratory Animals.
PB92-158625/REB 92-01 PC **A02**/MF **A01**

LABORATORY TESTS
Background Document for the Liquid Release Test: Single Laboratory Evaluation and 1988 Collaborative Study.
PB92-183201/REB 92-04 PC **A06**/MF **A02**

LAGOONS
Superfund Record of Decision (EPA Region 4): Golden Strip Septic Tank, Greenville County, Simpsonville, SC. (First Remedial Action), September 1991.
PB92-964018/REB 92-04 PC **A14**/MF **A03**

LAKE MICHIGAN
Determination and Occurrence of AHH-Active Polychlorinated Biphenyls, 2,3,7,8-Tetrachloro-p-Dioxin and 2,3,7,8-Tetrachlorodibenzofuran in Lake Michigan Sediment and Biota. The Question of Their Relative Toxicological Significance.
PB92-108125/REB 92-01 PC **A03**/MF **A01**

Modeling Studies for Planning: The Green Bay Project.
PB92-136944/REB 92-01 PC **A02**/MF **A01**

LAKES
PIRLA DBMS Quick Reference Guide.
PB92-110824/REB 92-01 PC **A08**/MF **A02**

Three Case Studies of Lake Temperature and Stratification Response to Warmer Climate.
PB92-121391/REB 92-01 PC **A03**/MF **A01**

Analysis and Interpretation of Zooplankton Samples Collected during Phase 2 of the Eastern Lake Survey.
PB92-136829/REB 92-01 PC **A14**/MF **A03**

Fish Communities in Lakes in Subregion 2B (Upper Peninsula of Michigan) in Relation to Lake Acidity. Volume 1 and Volume 2: Appendices. Data Tape Documentation.
PB92-169630/REB 92-04 PC **A11**/MF **A03**

How Much Acidification Has Occurred in Adirondack Region Lakes (New York, USA) since Preindustrial Times.
PB92-180371/REB 92-01 PC **A03**/MF **A01**

Illinois Lake Management Program Act Administrative Framework Plan.
PB92-206879/REB 92-04 PC **A07**/MF **A02**

Volunteer Lake Monitoring: A Methods Manual.
PB92-218411/REB 92-04 PC **A07**/MF **A02**

Volunteer Lake Monitoring Program, 1991. Volume 1: Statewide Summary Report.
PB92-222512/REB 92-04 PC **A06**/MF **A02**

Volunteer Lake Monitoring Program, 1991. Volume 6. Southwestern Illinois Region.
PB92-222876/REB 92-04 PC **A04**/MF **A01**

Volunteer Lake Monitoring Program, 1991. Volume 7. Southern Region.
PB92-231125/REB 92-04 PC **A05**/MF **A01**

Technical Support Manual: Waterbody Surveys and Assessments for Conducting Use Attainability Analyses. Volume 3: Lake Systems.
PB92-231802/REB 92-04 PC **A10**/MF **A03**

Volunteer Lake Monitoring Program, 1991. Volume 4: West-Central Illinois Region.
PB92-239482/REB 92-04 PC **A04**/MF **A01**

Fish and Chemistry Data for the Upper Peninsula of Michigan Report (for Microcomputers).
PB92-503085/REB 92-04 CP **D02**

LAND APPLICATION
Environmental Profiles and Hazard Indices for Constituents of Municipal Sludge: DDT/DDE/DDD.
PB92-150408/REB 92-01 PC **A05**/MF **A01**

Preliminary Risk Assessment for Viruses in Municipal Sewage Sludge Applied to Land.
PB92-198548/REB 92-01 PC **A09**/MF **A03**

LAND COVERS
Technical Guidance Document: Inspection Techniques for the Fabrication of Geomembrane Field Seams.
PB92-109057/REB 92-01 PC **A08**/MF **A02**

LAND DEVELOPMENT
Reclamation and Redevelopment of Contaminated Land. Volume 2. European Case Studies.
PB92-146166/REB 92-01 PC **A13**/MF **A03**

LAND DISPOSAL
Compilation of Current Practices at Land Disposal Facilities: Summary of Liner and Leak Detection Designs, Action Leakage Rates, Response Action Plans, and Management of Liquids in Landfills.
PB92-128206/REB 92-01 PC **A08**/MF **A02**

Best Demonstrated Available Technology (BDAT) Background Document for Quality Assurance/Quality Control Procedures and Methodology.
PB92-149277/REB 92-01 PC **A07**/MF **A02**

Capsule Report: Disposal of Flue Gas Desulfurization Wastes. Shawnee Field Evaluation.
PB92-179936/REB 92-01 PC **A03**/MF **A01**

LAND DISPOSAL RESTRICTIONS PROGRAM
Best Demonstrated Available Technology (BDAT) Background Document for Quality Assurance/Quality Control Procedures and Methodology.
PB92-149277/REB 92-01 PC **A07**/MF **A02**

LAND MANAGEMENT
Land Manager's Guide to Water Quality Monitoring.
PB92-132802/REB 92-01 PC **A02**/MF **A01**

Integrating Sustainable Agriculture, Ecology, and Environmental Policy. Proceedings of a Workshop. Held in Arlington, Virginia, on July 22-23, 1991.
PB92-137975/REB 92-01 PC **A11**/MF **A03**

Approach to Assessment of Management Impacts on Agricultural Soil Carbon.
PB92-217173/REB 92-04 PC **A03**/MF **A01**

LAND POLLUTION
Microbial Degradation of Flurtamone in Three Georgia Soils.
PB92-101682/REB 92-01 PC **A02**/MF **A01**

Marine Debris Survey Manual.
PB92-103456/REB 92-01 PC **A08**/MF **A02**

On-Site Methods for Assessing Chemical Impact on the Soil Environment Using Earthworms: A Case Study at the Baird and McGuire Superfund Site, Holbrook, Massachusetts.
PB92-108166/REB 92-01 PC **A03**/MF **A01**

Forest Soil Response to Acid and Salt Additions of Sulfate. 1. Sulfur Constituents and Net Retention.
PB92-108182/REB 92-01 PC **A03**/MF **A01**

Assessing UST Corrective Action Technology: A Scientific Evaluation of the Mobility of Organic Contaminants in Subsurface Environments.
PB92-114552/REB 92-01 PC **A16**/MF **A03**

Model of Virus Transport in Unsaturated Soil.
PB92-119957/REB 92-01 PC **A07**/MF **A02**

Sulfur Dynamics in Mineral Horizons of Two Northern Hardwood Soils. A Column Study with (35)S.
PB92-139955/REB 92-01 PC **A03**/MF **A01**

Adsorption of Surfactants (Chapter 7).
PB92-143809/REB 92-01 PC **A03**/MF **A01**

MANE: A Multiphase, Aqueous, Non-Steady State, Equilibrium Model for Simulating Soil-Water Interactions.
PB92-143817/REB 92-01 PC **A03**/MF **A01**

Modellierung und Simulation des Verhaltens von Umweltchemikalien in Boeden und Pflanzen (Modeling and Simulation of the Effect of (Environmental) Chemicals in Soil and in Plants).
PB92-143825/REB 92-01 PC **A02**/MF **A01**

Biotransformation of Monoaromatic and Chlorinated Hydrocarbons at an Aviation Gasoline Spill Site.
PB92-144005/REB 92-01 PC **A03**/MF **A01**

Stress Interactions and Mycorrhizal Plant Response: Understanding Carbon Allocation Priorities.
PB92-144054/REB 92-01 PC **A03**/MF **A01**

Guide to Site and Soil Description for Hazardous Waste *Site Characterization. Volume 1. Metals.*
PB92-146158/REB 92-01 PC **A13**/MF **A03**

Forest Soil Response to Acid and Salt Additions of Sulfate: 2. Aluminum and Base Cations.
PB92-150549/REB 92-01 PC **A03**/MF **A01**

Soil Response to S and N Treatments in a Northern New England Low Elevation Coniferous Forest.
PB92-150556/REB 92-01 PC **A03**/MF **A01**

Forest Soil Response to Acid and Salt Additions of Sulfate: 3. Solubilization and Composition of Dissolved Organic Carbon.
PB92-150564/REB 92-01 PC **A03**/MF **A01**

Spodosol Cation Release and Buffering of Acidic Inputs.
PB92-150580/REB 92-01 PC **A02**/MF **A01**

EPA SITE Demonstration of the BioTrol Soil Washing Process.
PB92-150655/REB 92-01 PC **A03**/MF **A01**

Sulfate Retention and Cation Leaching of Forest Soils in Response to Acid Additions.
PB92-153394/REB 92-01 PC **A03**/MF **A01**

Direct/Delayed Response Project: Soil Characterization Comparison.
PB92-153428/REB 92-01 PC **A16**/MF **A03**

Modeling Contaminant Transport through Subsurface Systems.
PB92-179118/REB 92-01 PC **A03**/MF **A01**

Humic Substances and Contaminant Transport: A Review.
PB92-179753/REB 92-01 PC **A02**/MF **A01**

Sorption of Heavy Metals by the Soil Fungi 'Aspergillus niger' and Mucor rouxii.
PB92-179811/REB 92-01 PC **A02**/MF **A01**

Exposure Assessment Modeling for Hydrocarbon Spills into the Subsurface: Sensitivity to Soil Properties.
PB92-191147/REB 92-01 PC **A03**/MF **A01**

Landfill Leachate Effects on Transport of Organic Substances in Aquifer Materials (Chapter 16).
PB92-198225/REB 92-04 PC **A03**/MF **A01**

Landfill Leachate Effects on Sorption of Organic Micropollutants onto Aquifer Materials.
PB92-198597/REB 92-04 PC **A03**/MF **A01**

Effect of Bioremediation on the Mutagenicity of Oil Spilled in Prince William Sound, Alaska.
PB92-206374/REB 92-04 PC **A02**/MF **A01**

Acoustic Location of Leaks in Pressurized Underground Petroleum Pipelines.
PB92-207687/REB 92-04 PC **A04**/MF **A01**

Understanding the Fate of Petroleum Hydrocarbons in the Subsurface Environment.
PB92-217157/REB 92-04 PC **A02**/MF **A01**

Soil Vapor Extraction Column Experiments on Gasoline Contaminated Soil.
PB92-226430/REB 92-04 PC **A05**/MF **A01**

LAND POLLUTION ABATEMENT

Technical Guidance Document: Inspection Techniques for the Fabrication of Geomembrane Field Seams.
PB92-109057/REB 92-01 PC **A08**/MF **A02**

Volumetric Leak Detection in Large Underground Storage Tanks. Volume 1.
PB92-114966/REB 92-01 PC **A05**/MF **A01**

Volumetric Leak Detection in Large Underground Storage Tanks. Volume 2. Appendices A through E.
PB92-114974/REB 92-01 PC **A05**/MF **A01**

Construction, Monitoring, and Performance of Two Soil Liners.
PB92-124049/REB 92-01 PC **A07**/MF **A02**

Compilation of Current Practices at Land Disposal Facilities: Summary of Liner and Leak Detection Designs, Action Leakage Rates, Response Action Plans, and Management of Liquids in Landfills.
PB92-128206/REB 92-01 PC **A08**/MF **A02**

Action Leakage Rates for Leak Detection Systems. (Supplemental Background Document for the Final Double Liners and Leak Detection Systems Rule for Hazardous Waste Landfills, Waste Piles, and Surface Impoundments).
PB92-128214/REB 92-01 PC **A04**/MF **A01**

Underground Storage Tanks on Indian Lands. Education Moderates: An Environmental Treat.
PB92-179860/REB 92-01 PC **A02**/MF **A01**

Chemical Substitution for 1,1,1,-Trichloroethane and Methanol in an Industrial Cleaning Operation.
PB92-179886/REB 92-01 PC **A03**/MF **A01**

No Migration Variances to the Hazardous Waste Land Disposal Prohibitions: A Guidance Manual for Petitioners (July 1992).
PB92-207695/REB 92-04 PC **A05**/MF **A02**

Environmental Laws and Regulations Relating to Medical Waste Disposal.
PB92-217249/REB 92-04 PC **A03**/MF **A01**

LAND POLLUTION CONTROL

Technology Evaluation Report: Biotrol Soil Washing System for Treatment of a Wood Preserving Site. Volume 1.
PB92-115310/REB 92-01 PC **A13**/MF **A03**

Technology Evaluation Report: Biotrol Soil Washing System for Treatment of a Wood Preserving Site. Volume 2, Part A.
PB92-115328/REB 92-01 PC **A17**/MF **A04**

Technology Evaluation Report: Biotrol Soil Washing System for Treatment of a Wood Preserving Site. Volume 2, Part B.
PB92-115336/REB 92-01 PC **A15**/MF **A03**

DuPont/Oberlin Microfiltration Technology. Applications Analysis Report.
PB92-119023/REB 92-01 PC **A04**/MF **A01**

RCRA Cover Systems for Waste Management Facilities.
PB92-120435/REB 92-01 PC **A03**/MF **A01**

Bioventing to Treat Fuel Spills from Underground Storage Tanks.
PB92-121342/REB 92-01 PC **A02**/MF **A01**

Soil-Air Permeability Method Evaluation.
PB92-124239/REB 92-01 PC **A02**/MF **A01**

U.S. EPA SITE Demonstration of AWD Technologies' AquaDetox/SVE System.
PB92-124387/REB 92-01 PC **A02**/MF **A01**

Demonstration of Microfiltration Technology.
PB92-136936/REB 92-01 PC **A02**/MF **A01**

Control of Aromatic Waste Air Streams by Soil Bioreactors.
PB92-144021/REB 92-01 PC **A02**/MF **A01**

Technology Evaluation Report: SITE Program Demonstration of the DuPont/Oberlin Microfiltration Technology.
PB92-153410/REB 92-01 PC **A06**/MF **A02**

Separation of Hazardous Organics by Low Pressure Membranes: Treatment of Soil-Wash Rinse-Water Leachates.
PB92-153436/REB 92-01 PC **A07**/MF **A02**

Biological Activity and Potential Remediation Involving Geotextile Landfill Leachate Filters.
PB92-153451/REB 92-01 PC **A03**/MF **A01**

Environmental Protection Agency's Municipal Solid Waste Landfill Liner Design Criteria.
PB92-153766/REB 92-01 PC **A02**/MF **A01**

Technical Aspects of Underground Storage Tank Closure.
PB92-161199/REB 92-01 PC **A04**/MF **A01**

Microbial Degradation of Toluene under Sulfate-Reducing Conditions and the Influence of Iron on the Process.
PB92-166735/REB 92-01 PC **A02**/MF **A01**

Guide for Conducting Treatability Studies under CERCLA: Soil Washing. Interim Guidance.
PB92-170570/REB 92-01 PC **A03**/MF **A01**

Guide for Conducting Treatability Studies under CERCLA: Soil Washing: Quick Reference Fact Sheet.
PB92-170588/REB 92-01 PC **A02**/MF **A01**

Potential Reuse of Petroleum-Contaminated Soil: A Directory of Permitted Recycling Facilities.
PB92-173780/REB 92-04 PC **A03**/MF **A01**

Distribution, Speciation, and Transformation of Chromium in Contaminated Soils and Aquifer Sediments.
PB92-179092/REB 92-01 PC **A02**/MF **A01**

Remediation of Leaking USTs: A System for Accessing Case Histories and Related Documents.
PB92-179803/REB 92-01 PC **A02**/MF **A01**

In situ Soil Flushing. Engineering Bulletin.
PB92-180025/REB 92-01 PC **A02**/MF **A01**

Higher Plant Accumulation of Organic Pollutants from Soils.
PB92-209378/REB 92-04 PC **A07**/MF **A02**

Air Emissions from the Treatment of Soils Contaminated with Petroleum Fuels and Other Substances.
PB92-212976/REB 92-04 PC **A12**/MF **A03**

On-Site Engineering Report for the Low-Temperature Thermal Desorption Pilot-Scale Test on Contaminated Soil.
PB92-216936/REB 92-04 PC **A07**/MF **A02**

Geomembrane Anchorage Behavior Using a Large Scale Pullout Apparatus.
PB92-217124/REB 92-04 PC **A03**/MF **A01**

AWD Technologies Integrated AquaDetox (Trade Name)/SVE Technology: *Applications Analysis Report.*
PB92-218379/REB 92-04 PC **A04**/MF **A01**

TCE Removal from Contaminated Soil and Ground Water. Ground Water Issue.
PB92-224104/REB 92-04 PC **A03**/MF **A01**

LAND RECLAMATION

Hydraulic Fracturing to Improve Nutrient and Oxygen Delivery for In situ Bioreclamation.
PB92-121334/REB 92-01 PC **A03**/MF **A01**

Reclamation and Redevelopment of Contaminated Land. Volume 2. European Case Studies.
PB92-146166/REB 92-01 PC **A13**/MF **A03**

LANDFILL GAS

Landfill Gas Energy Utilization: Technology Options and Case Studies.
PB92-203116/REB 92-04 PC **A09**/MF **A02**

LARVAE

Laboratory Spawning of Topsmelt, 'Atherinops affinis', with Notes on Culture and Growth of Larvae.
PB92-195759/REB 92-01 PC **A02**/MF **A01**

LATVIA

Analysis of Long-Term and Seasonal River Water Quality Changes in Latvia.
PB92-232933/REB 92-04 PC **A03**/MF **A01**

LAUNDRIES

Guidance Document for Effluent Discharges from the Auto and Other Laundries. Point Source Category.
PB92-231927/REB 92-04 PC **A09**/MF **A03**

LAW ENFORCEMENT

Enforcement in the 1990's Project: Recommendations of the Analytical Workgroups.
PB92-224286/REB 92-04 PC **A17**/MF **A04**

Enforcement Document Retrieval System (EDRS) - ASCII (1972-November 1991).
PB92-592210/REB 92-01 Subscription

Enforcement Document Retrieval System (EDRS) - EBCDIC (1972-November 1991).
PB92-592220/REB 92-01 Subscription

Enforcement Document Retrieval System (EDRS) Master File (1972-April 1992).
PB92-592380/REB 92-01 *Subscription*$1,440.00

Enforcement Document Retrieval System (EDRS) Update File (November 14, 1991 to April 22, 1992).
PB92-592390/REB 92-01 CP **T99**

Environmental Protection Agency Civil Enforcement Docket.
PB92-921700/REB 92-01 Subscription

Superfund: Enforcement.
PB92-963600/REB 92-01 Standing Order

LAW (JURISPRUDENCE)

Multi-Media Investigation Manual.
PB92-161553/REB 92-01 PC **A12**/MF **A03**

RCRA, Superfund Monthly Hot Line Reports.
PB92-922400/REB 92-01 Subscription$96.00

Political Subdivision Involvement in Superfund.
PB92-963330/REB 92-01 PC **A01**/MF **A01**

LAWNS

Healthy Lawn, Healthy Environment. Caring for Your Lawn in an Environmentally Friendly Way.
PB92-233899/REB 92-04 PC **A03**/MF **A01**

LCA (LIFE-CYCLE ANALYSIS)

U.S. EPA's Research on Life-Cycle Analysis.
PB92-179878/REB 92-01 PC **A01**/MF **A01**

LEACHING

Development of a Solid Sample Analytical Procedure for Cyanide in Spent Ore. Final Technical Report.
PB92-203496/REB 92-04 PC **A11**/MF **A03**

LEAD ACID BATTERIES

Selection of Control Technologies for Remediation of Lead Battery Recycling Sites.
PB92-114537/REB 92-01 PC **A08**/MF **A02**

States' Efforts to Promote Lead-Acid Battery Recycling.
PB92-119965/REB 92-01 PC **A04**/MF **A01**

Control Technologies for Defunct lead Battery Recycling *Sites: Overview and Recent Developments. Volume 3.*
PB92-150416/REB 92-01 PC **A03**/MF **A01**

LEAD AND COPPER RULE

Lead and Copper Rule Guidance Manual. Volume 1. Monitoring.
PB92-112101/REB 92-01 PC **A10**/MF **A03**

LEAD ARSENATE

Pesticide Fact Sheet Number 112.1: Lead Arsenate.
PB92-185834/REB 92-01 PC **A01**/MF **A01**

LEAD (METAL)

Lead and Copper Rule Guidance Manual. Volume 1. Monitoring.
PB92-112101/REB 92-01 PC **A10**/MF **A03**

Standard Operating Procedures for Lead in Paint by Hotplate - or Microwave-Based Acid Digestions and Atomic Absorption or Inductively Coupled Plasma Emission Spectrometry.
PB92-114172/REB 92-01 PC **A03**/MF **A01**

Standard Operating Procedures for Measurement of Lead in Paint Using the SCITEC MAP-3 X-ray Fluorescence Spectrometer.
PB92-114180/REB 92-01 PC **A04**/MF **A01**

Environmental Profiles and Hazard Indices for Constituents of Municipal Sludge: Lead.
PB92-122985/REB 92-01 PC **A05**/MF **A01**

Lead in School Drinking Water.
PB92-137439/REB 92-01 PC **A04**/MF **A01**

Preliminary Use and Substitutes Analysis of Lead and Cadmium in Products in Municipal Solid Waste.
PB92-162551/REB 92-01 PC **A09**/MF **A02**

Handbook for Special Public Notification for Lead for Public Drinking Water Suppliers.
PB92-164722/REB 92-01 PC **A04**/MF **A01**

Incineration Data on Arsenic and Lead Emissions.
PB92-179043/REB 92-01 PC **A03**/MF **A01**

Comprehensive Evaluation of a Field Test Kit for Lead.
PB92-179720/REB 92-01 PC **A03**/MF **A01**

LEAD POISONING

Child Lead Exposure Study, Leeds, Alabama.
PB92-123793/REB 92-01 PC **A05**/MF **A01**

LEAK DETECTORS

Acoustic Location of Leaks in Pressurized Underground Petroleum Pipelines.
PB92-207687/REB 92-04 PC **A04**/MF **A01**

LEAKAGE

Volumetric Leak Detection in Large Underground Storage Tanks. Volume 1.
PB92-114966/REB 92-01 PC **A05**/MF **A01**

Volumetric Leak Detection in Large Underground Storage Tanks. Volume 2. Appendices A through E.
PB92-114974/REB 92-01 PC **A05**/MF **A01**

Underground Storage Tanks on Indian Lands. Education Moderates: An Environmental Treat.
PB92-179860/REB 92-01 PC **A02**/MF **A01**

LEARNING

Effects of Trimethyltin on Repeated Acquisition (Learning) in the Radial-Arm Maze.
PB92-227503/REB 92-04 PC **A03**/MF **A01**

LEARNING DISORDERS

Neonatal Exposure to Trimethyltin Disrupts Spatial Delayed Alternation Learning in Preweanling Rats.
PB92-124718/REB 92-01 PC **A02**/MF **A01**

Spatial Learning Deficits Are Not Solely Due to Cholinergic Deficits Following Medial Septal Lesions with Colchicine.
PB92-206317/REB 92-04 PC **A03**/MF **A01**

LEAVES

Diurnal Water Relations of Walnut Trees: Implications for Remote Sensing.
PB92-144047/REB 92-01 PC **A03**/MF **A01**

LEAVES (BOTANY)

Foliar Injury Symptoms and Pigment Concentrations in Red Spruce Saplings in the Southern Appalachians.
PB92-113216/REB 92-01 PC **A02**/MF **A01**

Leaf Photosynthetic and Water Relations Responses for 'Valencia' Orange Trees Exposed to Oxidant Air Pollution.
PB92-153857/REB 92-01 PC **A03**/MF **A01**

LEBANON COUNTY (PENNSYLVANIA)

Superfund Record of Decision (EPA Region 3): Whitmoyer Laboratories (Operable Unit 2), Lebanon County, PA. (Second Remedial Action), December 1990.
PB92-963912/REB 92-01 PC **A05**/MF **A01**

LEE COUNTY (GEORGIA)

Protecting Endangered Species: Interim Measures, Lee County, Georgia.
PB92-232776/REB 92-04 PC **A01**/MF **A01**

LEGISLATION

Asia Pacific Cleaner Production Conference: International Legislative Trends. Held in Melbourne, Australia on February 24-27, 1992.
PB92-180181/REB 92-01 PC **A02**/MF **A01**

LEHIGH COUNTY (PENNSYLVANIA)

Superfund Record of Decision (EPA Region 3): Hebelka Auto Salvage Yard, Weisenber Township, Lehigh County, PA. (Second Remedial Action), September 1991.
PB92-963906/REB 92-01 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 3): Dorney Road Landfill Site, Upper Macungie Township, Lehigh County, PA. (Second Remedial Action), September 1991.
PB92-963907/REB 92-01 PC **A05**/MF **A01**

Superfund Record of Decision (EPA Region 3): Heleva Landfill Site, Lehigh County, PA. (First Remedial Action), (Amendment), September 1991.
PB92-963917/REB 92-01 PC **A03**/MF **A01**

LEVINGSTON COUNTY (MICHIGAN)

Superfund Record of Decision (EPA Region 5): Rasmussen's Dump Site, Green Oak Township, Livingston County, MI. (First Remedial Action), March 1991.
PB92-964105/REB 92-01 PC **A09**/MF **A02**

LEYDIG CELLS

Isolation and Culture of Leydig Cells from Adult Rats.
PB92-166321/REB 92-01 PC **A03**/MF **A01**

Immature Rat Leydig Cells are Intrinsically Less Sensitive Than Adult Leydig Cells to Ethane Dimethanesulfonate.
PB92-232842/REB 92-04 PC **A03**/MF **A01**

LH

Assessment of Toxicant-Induced Alterations in the Luteinizing Hormone Control of Ovulation in the Rat.
PB92-150515/REB 92-01 PC **A03**/MF **A01**

LIABILITIES

Homeowners Exempted from Superfund Cleanup Costs: National Policy Overview.
PB92-963336/REB 92-01 PC **A01**/MF **A01**

LIBERTY COUNTY (TEXAS)

Superfund Record of Decision (EPA Region 6): Petro-Chemical (Turtle Bayou), Liberty County, TX. (Second Remedial Action), September 1991.
PB92-964202/REB 92-01 PC **A07**/MF **A02**

LIBERTY (MISSOURI)

Superfund Record of Decision (EPA Region 7): Lee Chemical Site, Liberty, MO. (First Remedial Action), March 1991.
PB92-964307/REB 92-01 PC **A04**/MF **A01**

LICENSES

Manual for the Certification of Laboratories Analyzing Drinking Water. Criteria and Procedures Quality Assurance. Third Edition. Change 1.
PB92-150390/REB 92-01 PC **A03**/MF **A01**

Update Package for RCRA Permit Policy Compendium (Assorted Volumes).
PB92-182518/REB 92-04 PC **E99**

General Information on Applying for Registration of Pesticides in the United States. Second Edition.
PB92-221811/REB 92-04 PC **A13**/MF **A03**

LIFE CYCLES

Influence of Constant and Fluctuating Salinity on Responses of 'Mysidopsis bahia' Exposed to Cadmium in a Life-Cycle Test.
PB92-108042/REB 92-01 PC **A03**/MF **A01**

Effects of a Contaminated Sediment on Life History Traits and Population Growth Rate of 'Neanthes Arenaceodentata' (Polychaeta: Nereidae) in the Laboratory.
PB92-108059/REB 92-01 PC **A03**/MF **A01**

Life History and Toxicological Comparisons of Temperate and Subtropical Mysids.
PB92-124304/REB 92-01 PC **A03**/MF **A01**

Changes in the Physiological Performance and Energy Metabolism of an Estuarine Mysid 'Mysidopsis bahia' Exposed in the Laboratory through a Complete Life Cycle to the Defoliant DEF.
PB92-129709/REB 92-01 PC **A03**/MF **A01**

Guidelines for Conducting Early Life Stage Toxicity Tests with Japanese Medaka 'Oryzias latipes'.
PB92-137488/REB 92-01 PC **A03**/MF **A01**

U.S. EPA's Research on Life-Cycle Analysis.
PB92-179678/REB 92-01 PC **A01**/MF **A01**

LIGANDS

Continuous Multiligand Distribution Model Used to Predict the Stability Constant of Cu(II) Metal Complexation with Humic Material from Fluorescence Quenching Data.
PB92-101377/REB 92-01 PC **A02**/MF **A01**

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Application for Certification 1991 Model Year Light-Duty Vehicles - Audi.
PB91-242644/REB 92-01 PC **A99**/MF **E99**

Application for Certification 1991 Model Year Light-Duty Vehicles - BMW.
PB91-242651/REB 92-01 PC **A99**/MF **E08**

Application for Certification 1991 Model Year Light-Duty Vehicles - Ferrari - Fiat.
PB91-242669/REB 92-01 PC **A07**/MF **A02**

Application for Certification 1991 Model Year Light-Duty Vehicles - Ford.
PB91-242677/REB 92-01 PC **A99**/MF **E19**

Application for Certification 1991 Model Year Light-Duty Trucks - Ford.
PB91-242685/REB 92-01 PC **A99**/MF **E11**

Application for Certification 1991 Model Year Light-Duty Vehicles - Fuji.
PB91-242693/REB 92-01 PC **A99**/MF **A06**

Application for Certification 1991 Model Year Light-Duty Vehicles - General Motors.
PB91-242701/REB 92-01 PC **A99**/MF **E99**

Application for Certification 1991 Model Year Light-Duty Trucks - Isuzu Motors.
PB91-242719/REB 92-01 PC **A19**/MF **A04**

Application for Certification 1991 Model Year Light-Duty Vehicles - Isuzu Motors.
PB91-242727/REB 92-01 PC **A13**/MF **A03**

Application for Certification 1991 Model Year Light-Duty Vehicles and Light-Duty Trucks - Nissan.
PB91-242735/REB 92-01 PC **A99**/MF **E99**

Application for Certification 1991 Model Year Light-Duty Vehicles - Volkswagen.
PB91-242743/REB 92-01 PC **A99**/MF **E99**

Application for Certification 1992 Model Year Light-Duty Trucks - Chrysler.
PB92-122225/REB 92-01 PC **A99**/MF **E08**

Application for Certification 1992 Model Year Light-Duty Trucks - Chrysler Jeep.
PB92-122233/REB 92-01 PC **A15**/MF **A03**

Application for Certification 1992 Model Year Light-Duty Vehicles - Chrysler.
PB92-122241/REB 92-01 PC **A20**/MF **A04**

Application for Certification 1992 Model Year Light-Duty Vehicles - Daihatsu.
PB92-122258/REB 92-01 PC **A13**/MF **A03**

Application for Certification 1992 Model Year Light-Duty Vehicles - Federal Coach.
PB92-122266/REB 92-01 PC **A07**/MF **A02**

Application for Certification 1992 Model Year Light-Duty Vehicles - Fiat.
PB92-122274/REB 92-01 PC **A99**/MF **E04**

Application for Certification 1992 Model Year Light-Duty Vehicles - Fiat Ferrari.
PB92-122282/REB 92-01 PC **A99**/MF **A06**

Application for Certification 1992 Model Year Light-Duty Trucks - Ford.
PB92-122290/REB 92-01 PC **A99**/MF **E11**

Application for Certification 1992 Model Year Light-Duty Vehicles - Ford.
PB92-122308/REB 92-01 PC **A99**/MF **E16**

Application for Certification 1992 Model Year Light-Duty Vehicles - General Motors.
PB92-122316/REB 92-01 PC **A99**/MF **E99**

Application for Certification 1992 Model Year Light-Duty Vehicles - Grumman Olson.
PB92-122324/REB 92-01 PC **A08**/MF **A02**

Application for Certification 1992 Model Year Light-Duty Vehicles - Honda.
PB92-122332/REB 92-01 PC **A99**/MF **A06**

Application for Certification 1992 Model Year Light-Duty Vehicles - Hyundai.
PB92-122340/REB 92-01 PC **A12**/MF **A03**

Application for Certification 1992 Model Year Light-Duty Vehicles - Isuzu.
PB92-122357/REB 92-01 PC **A24**/MF **A04**

Application for Certification 1992 Model Year Light-Duty Trucks - Isuzu.
PB92-122365/REB 92-01 PC **A13**/MF **A03**

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PB92-122373/REB 92-01 PC **A99**/MF **A06**

Application for Certification 1992 Model Year Light-Duty Vehicles - Mazda.
PB92-122381/REB 92-01 PC **A99**/MF **E08**

Application for Certification 1992 Model Year Light-Duty Vehicles - Mercedes Benz.
PB92-122399/REB 92-01 PC **A99**/MF **E14**

Application for Certification 1992 Model Year Light-Duty Vehicles - Mitsubishi.
PB92-122407/REB 92-01 PC **A99**/MF **E08**

Application for Certification 1992 Model Year Light-Duty Trucks - PAS Inc.
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Application for Certification 1992 Model Year Light-Duty Vehicles - Rolls Royce.
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Application for Certification 1992 Model Year Light-Duty Vehicles - Subaru.
PB92-122431/REB 92-01 PC **A24**/MF **A04**

Application for Certification 1992 Model Year Light-Duty Trucks - Toyota.
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Application for Certification 1992 Model Year Light-Duty Vehicles - Toyota.
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Application for Certification 1992 Model Year Light-Duty Vehicles - Volkswagen.
PB92-122464/REB 92-01 PC **A99**/MF **E99**

Application for Certification 1992 Model Year Light-Duty Vehicles - Volvo Cars of North America.
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Application for Certification 1992 Model Year Light-Duty Motorcycles - Yamaha.
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Application for Certification 1990 Model Year Light-Duty Vehicles - BMW.
PB92-127968/REB 92-01 PC **A99**/MF **E99**

Application for Certification 1990 Model Year Light-Duty Vehicles - Honda.
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Application for Certification 1991 Model Year Light-Duty Trucks - Chrysler Jeep.
PB92-127992/REB 92-01 PC **A99**/MF **A06**

Application for Certification 1991 Model Year Light-Duty Trucks - Chrysler.
PB92-128008/REB 92-01 PC **A99**/MF **E11**

Application for Certification 1991 Model Year Light-Duty Vehicles - Chrysler.
PB92-128016/REB 92-01 PC **A99**/MF **E11**

Application for Certification 1991 Model Year Light-Duty Vehicles - Fiat.
PB92-128024/REB 92-01 PC **A13**/MF **A03**

Application for Certification 1991 Model Year Light-Duty Vehicles - American Honda.
PB92-128032/REB 92-01 PC **A99**/MF **E08**

Application for Certification 1991 Model Year Light-Duty Vehicles - Jaguar.
PB92-128040/REB 92-01 PC **A05**/MF **A01**

Application for Certification 1991 Model Year Light-Duty Vehicles - Mazda Motor Company.
PB92-128057/REB 92-01 PC **A99**/MF **E14**

Application for Certification 1991 Model Year Light-Duty Vehicles - Mercedes Benz.
PB92-128065/REB 92-01 PC **A99**/MF **E08**

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Application for Certification 1991 Model Year Light-Duty Vehicles - Range Rover.
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Application for Certification 1991 Model Year Light-Duty Vehicles - Sterling.
PB92-128099/REB 92-01 PC **A06**/MF **A02**

Application for Certification 1991 Model Year Light-Duty Vehicles - Volvo.
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Application for Certification 1992 Model Year Light-Duty Vehicles - BMW of North America, Inc.
PB92-182807/REB 92-04 PC **A99**/MF **E11**

Application for Certification 1993 Model Year Light-Duty Vehicles - Fiat Auto R and D U.S.A.
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Application for Certification 1992 Model Year Light-Duty Vehicles - Infiniti, Nissan Motors Co., Ltd.
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Application for Certification 1992 Model Year Light-Duty Vehicles - Maxima, Nissan Motors Co., Ltd.
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Application for Certification 1992 Model Year Light-Duty Vehicles - Porsche.
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Application for Certification 1993 Model Year Light-Duty Vehicles - Toyota Technical Center, U.S.A. Inc.
PB92-182906/REB 92-04 PC **A09**/MF **A03**

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PB92-150754/REB 92-01 PC **A03**/MF **A01**

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Meteorological and Site Influences Affecting the Comparison of Nephelometer and Photographic Determinations of Light Extinction at Rural Sites in the Eastern United States.
PB92-195999/REB 92-01 PC **A03**/MF **A01**

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Superfund Record of Decision (EPA Region 6): Cimarron Mining Site, Operable Unit 2, Carrizozo, NM. (Second Remedial Action), September 1991.
PB92-964201/REB 92-01 PC **A06**/MF **A02**

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PB92-128214/REB 92-01 PC **A04**/MF **A01**

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Technical Guidance Document: Inspection Techniques for the Fabrication of Geomembrane Field Seams.
PB92-109057/REB 92-01 PC **A08**/MF **A02**

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Construction, Monitoring, and Performance of Two Soil Liners.
PB92-124049/REB 92-01 PC **A07**/MF **A02**

Action Leakage Rates for Leak Detection Systems. (Supplemental Background Document for the Final Double Liners and Leak Detection Systems Rule for Hazardous Waste Landfills, Waste Piles, and Surface Impoundments).
PB92-128214/REB 92-01 PC **A04**/MF **A01**

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Evaluation of Selected Lipid Methods for Normalizing Pollutant Bioaccumulation.
PB92-124379/REB 92-01 PC **A02**/MF **A01**

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Generation of Recombinant Baculovirus via Liposome-Mediated Transfection.
PB92-143973/REB 92-01 PC **A01**/MF **A01**

LIQUID CHROMATOGRAPHY

Interlaboratory Comparison of Thermospray and Particle Beam Liquid Chromatography/Mass Spectrometry Interfaces: *Evaluation of a Chlorinated Phenoxy Acid Herbi*cide Liquid Chromatography/Mass Spectrometry Analysis Method.
PB92-124734/REB 92-01 PC **A02**/MF **A01**

Measurement of Polycyclic Aromatic Hydrocarbons in Soils and Sediments by Particle-Beam/High-Performance Liquid *Chromatography/Mass Spectrometry.*
PB92-188721/REB 92-01 PC **A03**/MF **A01**

LIQUID FILTERS

DuPont/Oberlin Microfiltration Technology. Applications Analysis Report.
PB92-119023/REB 92-01 PC **A04**/MF **A01**

LIQUID RELEASE TEST

Background Document for the Liquid Release Test: Single Laboratory Evaluation and 1988 Collaborative Study.
PB92-183201/REB 92-04 PC **A06**/MF **A02**

LIQUID SECONDARY ION MASS SPECTROMETRY

Influence of Experimental Conditions on the Liquid Secondary Ion Mass Spectra of Sulfonated Azo Dyes.
PB92-124361/REB 92-01 PC **A02**/MF **A01**

LIQUID WASTE DISPOSAL

Trajectory and Incineration of Rogue Droplets in a Turbulent Diffusion Flame.
PB92-120450/REB 92-01 PC **A03**/MF **A01**

Compilation of Current Practices at Land Disposal Facilities: Summary of Liner and Leak Detection Designs, Action Leakage Rates, Response Action Plans, and Management of Liquids in Landfills.
PB92-128206/REB 92-01 PC **A08**/MF **A02**

Novel Method of Reducing Transient Emissions from Rotary Kiln Incinerators through Modified Waste Packaging.
PB92-195932/REB 92-01 PC **A02**/MF **A01**

LIQUID WASTES

DuPont/Oberlin Microfiltration Technology. Applications Analysis Report.
PB92-119023/REB 92-01 PC **A04**/MF **A01**

Demonstration of Microfiltration Technology.
PB92-136936/REB 92-01 PC **A02**/MF **A01**

Technology Evaluation Report: SITE Program Demonstration of the *DuPont/Oberlin Microfiltration Technology.*
PB92-153410/REB 92-01 PC **A06**/MF **A02**

Air Stripping of Aqueous Solutions. Engineering Bulletin.
PB92-180033/REB 92-01 PC **A02**/MF **A01**

Modifications to Reduce Drag Out at a Printed Circuit Board Manufacturer.
PB92-198555/REB 92-04 PC **A03**/MF **A01**

Development Document for Effluent Limitations Guidelines and Standards and Pretreatment Standards for the Steam Electric: Point Source Category.
PB92-226422/REB 92-04 PC **A99**/MF **A06**

Rotating Biological Contactors. Engineering Bulletin.
PB92-235936/REB 92-04 PC **A02**/MF **A01**

LIQUIDS

Dense Nonaqueous Phase Liquids: A Workshop Summary. Held in Dallas, Texas on April 16-18, 1991.
PB92-178938/REB 92-01 PC **A05**/MF **A01**

Background Document for the Liquid Release Test: Single Laboratory Evaluation and 1988 Collaborative Study.
PB92-183201/REB 92-04 PC **A06**/MF **A02**

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Marine Debris Survey Manual.
PB92-103456/REB 92-01 PC **A08**/MF **A02**

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DNA Adducts in Rat Lung, Liver and Peripheral Blood Lymphocytes Produces by i.p. Administration of Benzo(a)Pyrene Metabolites and Derivatives.
PB92-124627/REB 92-01 PC **A01**/MF **A01**

Carcinogen-DNA Adducts in Cultures of Rat and Human Hepatocytes.
PB92-189075/REB 92-01 PC **A02**/MF **A01**

Quantitative Image Cytometry of Hepatocytes Expressing Gamma-Glutamyl Transpeptidase and Glutathione S-Transferase in Diethylnitrosamine-Initiated Rats Treated with Phenobarbitol and/or Phthalate Esters.
PB92-227586/REB 92-04 PC **A03**/MF **A01**

LIVER MICROSOMES

Hepatic Microsomal N-hydroxylation of Aniline and 4-chloroaniline by Rainbow Trout 'Onchorhyncus mykiss'.
PB92-227354/REB 92-04 PC **A03**/MF **A01**

LIVER NEOPLASMS

Spongiosis Hepatis: Chemical Induction, Pathogenesis, and Possible Neoplastic Fate in a Teleost Fish Model.
PB92-195700/REB 92-01 PC **A03**/MF **A01**

Hepatocarcinogenicity of Chloral Hydrate, 2-Chloroacetaldehyde, and Dichloroacetic Acid in the Male B6C3F1 Mouse.
PB92-232990/REB 92-04 PC **A03**/MF **A01**

LIVER REGENERATION

Immunohistochemical Detection of P21 'ras' and P110 'myc' Oncogene Expression in Regenerating Rat Liver.
PB92-188895/REB 92-01 PC **A03**/MF **A01**

LOCAL GOVERNMENT

Environmental Guidance: For Very Small Communities.
PB92-196021/REB 92-01 PC **A03**/MF **A01**

LOTUS 1-2-3 SYSTEM

Lotus 1-2-3-Based System for Recording and Maintaining Body Weight of Laboratory Animals.
PB92-158625/REB 92-01 PC **A02**/MF **A01**

LOUISIANA

National Priorities List Sites: Louisiana.
PB92-963222/REB 92-01 PC **A04**/MF **A01**

LOW LEVEL THREAT

Guide to Principal Threat and Low Level Threat Wastes.
PB92-963345/REB 92-01 PC **A01**/MF **A01**

LOW PRESSURE MEMBRANES

Separation of Hazardous Organics by Low Pressure Membranes: Treatment of Soil-Wash Rinse-Water Leachates.
PB92-153436/REB 92-01 PC **A07**/MF **A02**

LUNG

DNA Adducts in Rat Lung, Liver and Peripheral Blood Lymphocytes Produces by i.p. Administration of Benzo(a)Pyrene Metabolites and Derivatives.
PB92-124627/REB 92-01 PC **A01**/MF **A01**

Enhance and Prolonged Pulmonary Influenza Virus Infection Following Phosgene Inhalation.
PB92-124650/REB 92-01 PC **A03**/MF **A01**

Airway Structure Variability in the Long-Evans Rat Lung.
PB92-124676/REB 92-01 PC **A02**/MF **A01**

Intersubject Variability in Human Acute Ozone Responsiveness. Symposium Proceedings.
PB92-158666/REB 92-01 PC **A02**/MF **A01**

Dosimetry of Localized Accumulations of Cigarette Smoke and Radon Progeny at Bifurcations.
PB92-164847/REB 92-01 PC **A03**/MF **A01**

Reduction of Neutrophil Influx Diminishes Lung Injury and Mortality Following Phosgene Inhalation.
PB92-227420/REB 92-04 PC **A03**/MF **A01**

Ozone-Induced Inflammatory Response in Pulmonary Cells.
PB92-232792/REB 92-04 PC **A04**/MF **A01**

Relative Mesothelioma Induction in Rats by Mineral Fibers: Comparison with Residual Pulmonary Mineral Fiber Number and Epidemiology.
PB92-233014/REB 92-04 PC **A03**/MF **A01**

Biologic Markers in Pulmonary Toxicology.
PB92-238328/REB 92-04 PC **A09**/MF **A02**

LYMPHOCYTES

Induction of Micronuclei by X-radiation in Human, Mouse and Rat Peripheral Blood Lymphocytes.
PB92-113315/REB 92-01 PC **A02**/MF **A01**

DNA Adducts in Rat Lung, Liver and Peripheral Blood Lymphocytes Produces by i.p. Administration of Benzo(a)Pyrene Metabolites and Derivatives.
PB92-124627/REB 92-01 PC **A01**/MF **A01**

In vitro Lymphocyte Proliferation Assays: The Mitogen-Stimulated Response and the Mixed Lymphocyte Reaction *in Immunotoxicity Testing.*
PB92-126911/REB 92-01 PC **A03**/MF **A01**

LYMPHOMA

Genotoxicity in Mouse Lymphoma Cells of Chemicals Capable of Michael Addition.
PB92-120484/REB 92-01 PC **A02**/MF **A01**

MACACA MULATTA

Effects of PCB (Aroclor (Trade Name) 1254) on Non-Specific Immune Parameters in Rhesus ('Macaca mulatta') Monkeys.
PB92-232867/REB 92-04 PC **A03**/MF **A01**

MACOMB COUNTY (MICHIGAN)

Superfund Record of Decision (EPA Region 5): G and H Industrial Landfill Site, Macomb County, MI. (First Remedial Action), December 1990.
PB92-964106/REB 92-01 PC **A06**/MF **A02**

MACROPHAGES

Modulation of Human Alveolar Macrophage Properties by Ozone Exposure In vitro.
PB92-113281/REB 92-01 PC **A03**/MF **A01**

MACROPORES

Inferences about Solute Transport in Macroporous Forest Soils from Time Series Models.
PB92-150572/REB 92-01 PC **A03**/MF **A01**

MACT STANDARDS

Procedures for Establishing Emissions for Early Reduction Compliance Extensions. Volume 1. Synthetic Organic Chemical Manufacturing, Ethylene Oxide Sterilization, and Chromium Electroplating.
PB92-176221/REB 92-01 PC **A05**/MF **A01**

Questions and Answers about the Early Reductions Program.
PB92-180124/REB 92-01 PC **A04**/MF **A01**

Enabling Document for Regulations Governing Compliance Extensions for Early Reductions of Hazardous Air Pollutants.
PB92-180132/REB 92-01 PC **A07/MF A02**

MAGNETIC FIELDS
Electric and Magnetic Fields Near AM Broadcast Towers.
PB92-101427/REB 92-01 PC **A05/MF A01**

Research Strategy for Electric and Magnetic Fields: Research Needs and Priorities.
PB92-170174/REB 92-01 PC **A04/MF A01**

MAINE
Regional Patterns and Local Variability of Dry and Occult Deposition Strongly Influence Sulfate Concentrations in Maine Lakes.
PB92-136951/REB 92-01 PC **A02/MF A01**

National Priorities List Sites: Maine.
PB92-963204/REB 92-01 PC **A04/MF A01**

MAINTENANCE
IM240 Transient I/M Dynamometer Driving Schedule and the Composite I/M Test Procedure.
PB92-104405/REB 92-01 PC **A03/MF A01**

Recommended I/M Short Test Procedures for the 1990's: Six Alternatives.
PB92-104439/REB 92-01 PC **A03/MF A01**

I/M Network Type: Effects on Emission Reductions, Cost, and Convenience. Technical Information Document.
PB92-104447/REB 92-01 PC **A04/MF A01**

Integrating On-Board Diagnostic System Capabilities into the Inspection and Repair Functions of I/M Programs.
PB92-104454/REB 92-01 PC **A03/MF A01**

MALARIA
Host Resistance to Murine Malaria in Mice Exposed to the Adenosine Deaminase Inhibitor, 2'-Deoxycoformycin.
PB92-150812/REB 92-01 PC **A03/MF A01**

Assessment of Host Resistance to Infection with Rodent Malaria.
PB92-232784/REB 92-04 PC **A03/MF A01**

MALATHION
Drinking Water Health Advisory for Malathion.
PB92-135482/REB 92-01 PC **A03/MF A01**

MALIC DEHYDROGENASE
Kinetic Properties of Malic Dehydrogenase from Three Cultivars of Rice.
PB92-178995/REB 92-01 PC **A03/MF A01**

MALIGNANT NEOPLASMS
Indoor Air Assessment: A Review of Indoor Air Quality Risk Characterization Studies.
PB92-109107/REB 92-01 PC **A06/MF A02**

Upper-Bound Quantitative Cancer Risk Estimate for Populations Adjacent to Sulfur Mustard Incineration Facilities.
PB92-137207/REB 92-01 PC **A03/MF A01**

MAN-ENVIRONMENT INTERACTIONS
Long-Term Changes in the Areal Extent of Tidal Marshes, Eelgrass Meadows and Kelp Forests of Puget Sound.
PB92-104496/REB 92-01 PC **A06/MF A02**

MANAGEMENT
Chesapeake Bay Striped Bass Fishery Management Plan: Chesapeake Bay Program. Annual Progress Report from the Chesapeake Executive Council.
PB92-186428/REB 92-01 PC **A03/MF A01**

MANAGEMENT METHODS
Customer/Supplier Accountability and Quality Assurance (QA) Program Implementation.
PB92-191162/REB 92-01 PC **A02/MF A01**

MANAGEMENT PLANNING
QAQPS Control Cost Manual (Fourth Edition). Supplement 1.
PB92-137181/REB 92-01 PC **A05/MF A01**

Illinois Lake Management Program Act Administrative Framework Plan.
PB92-206879/REB 92-04 PC **A07/MF A02**

MANE MODEL
MANE: A Multiphase, Aqueous, Non-Steady State, Equilibrium Model for Simulating Soil-Water Interactions.
PB92-143817/REB 92-01 PC **A03/MF A01**

MANGANESE OXIDES
Radium Removal from Water by Manganese Dioxide Adsorption and Diatomaceous Earth Filtration.
PB92-115260/REB 92-01 PC **A05/MF A01**

Spectroscopic Study of Surface Redox Reactions With Manganese Oxides.
PB92-179837/REB 92-01 PC **A02/MF A01**

MANILA (PHILIPPINES)
Greenhouse Gases from Small-Scale Combustion in Developing Countries: A Pilot Study in Manila.
PB92-139369/REB 92-01 PC **A04/MF A01**

MANUALS
Citizens' Guidance Manual for the Technical Assistance Grant Program.
PB92-101435/REB 92-01 PC **A14/MF A03**

Marine Debris Survey Manual.
PB92-103456/REB 92-01 PC **A08/MF A02**

Lead in School Drinking Water.
PB92-137439/REB 92-01 PC **A04/MF A01**

U.S. EPA's Manual of Practice for the Investigation and Control of Cross-Connection Pollution into Storm Drainage Systems.
PB92-217074/REB 92-04 PC **A02/MF A01**

MANUFACTURERS
Waste Minimization Assessment for a Printed Circuit Board Manufacturer.
PB92-196344/REB 92-04 PC **A02/MF A01**

Waste Minimization Assessment for a Manufacturer of Sheet Metal Cabinets and Precision Metal Parts.
PB92-196377/REB 92-04 PC **A02/MF A01**

Waste Minimization Assessment for a Manufacturer of Can-Manufacturing Equipment.
PB92-196385/REB 92-04 PC **A01/MF A01**

Waste Minimization Assessment for a Manufacturer Producing Treated Wood Products.
PB92-196401/REB 92-04 PC **A01/MF A01**

Waste Minimization Assessment for a Manufacturer of Chemicals.
PB92-203595/REB 92-01 PC **A02/MF A01**

MANUFACTURING
Waste Minimization Assessment for a Manufacturer of Commercial Ice Machines and Ice Storage Bins.
PB92-196351/REB 92-01 PC **A02/MF A01**

Waste Minimization Assessment for a Manufacturer of Permanent-Magnet DC Electric Motors.
PB92-196369/REB 92-04 PC **A02/MF A01**

MAPPING
Proceedings of the Workshop on Radon Potential Mapping, Florida Radon Research Program. Held in Gainesville, Florida on April 20, 1990.
PB92-115278/REB 92-01 PC **A04/MF A01**

Cartographic and Geometric Components of a Global Sampling Design for Environmental Monitoring.
PB92-217397/REB 92-04 PC **A03/MF A01**

MARICOPA COUNTY (ARIZONA)
Superfund Record of Decision (EPA Region 9): Indian Bend Wash Area (Operable Units 1, 4, 5, 6), AZ. (Second Remedial Action), September 1991.
PB92-964509/REB 92-01 PC **A06/MF A02**

MARINE BIOLOGY
Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms (Fourth Edition).
PB91-167650/REB 92-01 PC **A14/MF A03**

Example Environmental Assessment Report for Estuaries.
PB92-102656/REB 92-01 PC **A04/MF A01**

Long-Term Trends in Puget Sound Marine Fishes: Selected Data Sets.
PB92-104488/REB 92-01 PC **A03/MF A01**

Nutritional Value of 'Artemia' and 'Tigriopus californicus' (Baker) for Two Pacific Mysid Species, 'Metamysidopsis elongata' (Holmes) and 'Mysidopsis intii' (Holmquist).
PB92-106000/REB 92-01 PC **A03/MF A01**

Mosquito Control Pesticides: Adverse Impacts to Freshwater Aquatic and Marine Organisms.
PB92-195890/REB 92-01 PC **A02/MF A01**

MARINE DEBRIS
Marine Debris Survey Manual.
PB92-103456/REB 92-01 PC **A08/MF A02**

MARINE ENVIRONMENT
Acid-Volatile Sulfide as a Factor Mediating Cadmium and Nickel Bioavailability in Contaminated Sediments.
PB92-124296/REB 92-01 PC **A03/MF A01**

MARINE FISH
Long-Term Trends in Puget Sound Marine Fishes: Selected Data Sets.
PB92-104488/REB 92-01 PC **A03/MF A01**

MARINE FISHES
Ovarian Mycosis in the Topsmelt 'Atherinops affinis'.
PB92-129691/REB 92-01 PC **A01/MF A01**

Copper Toxicity to Sperm, Embryos and Larvae of Topsmelt 'Atherinops affinis', with Notes on Induced Spawning.
PB92-129808/REB 92-01 PC **A03/MF A01**

Abundant Males in Populations of a Selfing Hermaphrodite Fish, 'Rivulus marmoratus', from Some Belize Cays.
PB92-195783/REB 92-01 PC **A02/MF A01**

Comprehensive List of Chesapeake Bay Basin Species.
PB92-222850/REB 92-04 PC **A07/MF A02**

MARINE MICROORGANISMS
Mixed-Species Colonization of Solid Surfaces in Laboratory Biofilms.
PB92-195692/REB 92-01 PC **A03/MF A01**

Detection of Horizontal Gene Transfer by Natural Transformation in Native and Introduced Species of Bacteria in Marine and Synthetic Sediments.
PB92-195767/REB 92-01 PC **A02/MF A01**

MARINE PLANTS
Long-Term Changes in the Areal Extent of Tidal Marshes, Eelgrass Meadows and Kelp Forests of Puget Sound.
PB92-104496/REB 92-01 PC **A06/MF A02**

MARSHES
Evaluating Design and Verifying Compliance of Created Wetlands in the Vicinity of Tampa, Florida.
PB92-116045/REB 92-01 PC **A06/MF A02**

Approach to Improving Decision Making in Wetland Restoration and Creation.
PB92-217306/REB 92-04 PC **A08/MF A02**

MARYLAND
National Priorities List Sites: Maryland.
PB92-963218/REB 92-01 PC **A04/MF A01**

MASS BALANCE
Uncertainties in Nitrogen Mass Loadings in Coastal Watersheds.
PB92-108075/REB 92-01 PC **A03/MF A01**

Tracking Toxic Substances at Industrial Facilities: Engineering Mass Balance versus Materials Accounting.
PB92-223213/REB 92-04 PC **A09/MF A02**

MASS COMMUNICATION
Handbook for Special Public Notification for Lead for Public Drinking Water Suppliers.
PB92-164722/REB 92-01 PC **A04/MF A01**

MASS SPECTROSCOPY
Influence of Experimental Conditions on the Liquid Secondary Ion Mass Spectra of Sulfonated Azo Dyes.
PB92-124361/REB 92-01 PC **A02/MF A01**

Interlaboratory Comparison of Thermospray and Particle Beam Liquid Chromatography/Mass Spectrometry Interfaces: Evaluation of a Chlorinated Phenoxy Acid Herbicide Liquid Chromatography/Mass Spectrometry Analysis Method.
PB92-124734/REB 92-01 PC **A02/MF A01**

Improved Method for Estimating Molecular Weights of Volatile Organic Compounds from Low Resolution Mass Spectra.
PB92-166685/REB 92-01 PC **A03/MF A01**

Evaluation of VOST and SemiVOST Methods for Halogenated Compounds in the Clean Air Act Amendments Title III, Bench and Laboratory Studies.
PB92-178979/REB 92-01 PC **A03/MF A01**

Measurement of Polycyclic Aromatic Hydrocarbons in Soils and Sediments by Particle-Beam/High-Performance Liquid Chromatography/Mass Spectrometry.
PB92-188721/REB 92-01 PC **A03/MF A01**

Structural Characterization of Sulfonated Azo Dyes Using Liquid Secondary Ion Mass Spectrometry/Tandem Mass Spectrometry.
PB92-188861/REB 92-01 PC **A03/MF A01**

Comparative Analysis of Dioxins and Furans in Ambient Air by High Resolution and Electron Capture Mass Spectrometry.
PB92-206440/REB 92-04 PC **A02/MF A01**

Comparison of SIMCA Pattern Recognition and Library Search Identification of Hazardous Compounds from Mass Spectra.
PB92-227362/REB 92-04 PC **A03/MF A01**

MASS TRANSFER
Modeling Radon Entry into Florida Houses with Concrete Slabs and Concrete-Block Stem Walls.
PB92-201128/REB 92-04 PC **A06/MF A02**

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Material Recovery Facilities for Municipal Solid Waste.
PB92-137512/REB 92-01 PC **A08/MF A02**

MATERIALS
Alternative Daily Cover Materials for Municipal Solid Waste Landfills.
PB92-208206/REB 92-04 PC **A03/MF A01**

Permeation Resistance of Glove Materials to Agricultural Pesticides.
PB92-227396/REB 92-04 PC **A03/MF A01**

MATERIALS HANDLING
Effect of Storage Conditions on Handling and SO2 Reactivity of Ca(OH)2-Based Sorbents.
PB92-124270/REB 92-01 PC **A02/MF A01**

Handling and Disposal of Sludges and Residuals from Combined Sewer Overflow Treatment.
PB92-158567/REB 92-01 PC **A02/MF A01**

Control of Air Emissions from Materials Handling during Remediation. Engineering Bulletin.
PB92-180041/REB 92-01 PC **A02/MF A01**

MATERIALS HANDLING EQUIPMENT
Material Recovery Facilities for Municipal Solid Waste.
PB92-137512/REB 92-01 PC **A08/MF A02**

MATERIALS RECOVERY
Guides to Pollution Prevention: The Marine Maintenance and Repair Industry.
PB91-228817/REB 92-01 PC **A04/MF A01**

Analysis of Factors Affecting Methane Gas Recovery from Six Landfills.
PB92-101351/REB 92-01 PC **A13/MF A03**

Material Recovery Facilities for Municipal Solid Waste.
PB92-137512/REB 92-01 PC **A08/MF A02**

Degreasing System Pollution Prevention Evaluation.
PB92-139443/REB 92-01 PC **A03/MF A01**

Horsehead Resource Development Company, Inc. Flame Reactor Technology: Applications Analysis Report.
PB92-213214/REB 92-04 PC **A04/MF A01**

Mobile Air-Conditioning Recycling Manual.
PB92-235688/REB 92-04 PC **A08/MF A02**

MATERNAL-FETAL EXCHANGE
Role of Metallothionein Induction and Altered Zinc Status in Maternally Mediated Developmental Toxicity: Comparison of the Effects of Urethane and Styrene in Rats.
PB92-124635/REB 92-01 PC **A03/MF A01**

MATHEMATICAL MODELS

Predicting Chemical Concentration Effects on Transformation Rates of Dissolved Organics by Complex Microbial Assemblages.
PB92-101393/REB 92-01 PC **A03**/MF **A01**

Modeling of Nonpoint Source Water Quality in Urban and Non-urban Areas.
PB92-109115/REB 92-01 PC **A05**/MF **A01**

Field-Testing Distribution Water Quality Models.
PB92-113182/REB 92-01 PC **A03**/MF **A01**

Evaluation of Sorption Models in the Simulation of Naphthalene Transport Through Saturated Soils.
PB92-113190/REB 92-01 PC **A02**/MF **A01**

Estimating Critical Loads of Sulfate to Surface Waters in the Northeastern United States: A Comparative Assessment of Three Procedures for Estimating Critical Loads of Sulfate for Lakes.
PB92-119015/REB 92-01 PC **A03**/MF **A01**

Model of Virus Transport in Unsaturated Soil.
PB92-119957/REB 92-01 PC **A07**/MF **A02**

Modeling Air Flow Dynamics in Radon Mitigation Systems: A Simplified Approach.
PB92-120427/REB 92-01 PC **A02**/MF **A01**

Trajectory and Incineration of Rogue Droplets in a Turbulent Diffusion Flame.
PB92-120450/REB 92-01 PC **A03**/MF **A01**

Regional Air Quality and Acid Deposition Modeling and the Role for Visualization.
PB92-124247/REB 92-01 PC **A03**/MF **A01**

Estimation of Water Solubility and Octanol/Water Partition Coefficient of Hydrophobic Dyes. Part 1. Relationship *between Solubility and Partition Coefficient.*
PB92-124320/REB 92-01 PC **A03**/MF **A01**

Estimation of Water Solubility and Octanol/Water Partition Coefficient of Hydrophobic Dyes. Part 2. Reverse-Phase High Performance Liquid Chromatography.
PB92-124338/REB 92-01 PC **A02**/MF **A01**

Tropospheric Nitrogen: The Influence of Anthropogenic Sources on Distribution and Deposition.
PB92-126937/REB 92-01 PC **A06**/MF **A02**

Estimating Natural Emissions for *EPA's* Regional Oxidant Model.
PB92-129592/REB 92-01 PC **A03**/MF **A01**

New Developments in Emission Projection Methodologies.
PB92-139393/REB 92-01 PC **A02**/MF **A01**

MANE: A Multiphase, Aqueous, Non-Steady State, Equilibrium Model for Simulating Soil-Water Interactions.
PB92-143817/REB 92-01 PC **A03**/MF **A01**

Inferences about Solute Transport in Macroporous Forest Soils from Time Series Models.
PB92-150572/REB 92-01 PC **A03**/MF **A01**

Development of an Empirical Model of Methane Emissions *from Landfills.*
PB92-152875/REB 92-01 PC **A06**/MF **A02**

Diagnostic Evaluation of Regional Acid Deposition Model (RADM) Performance during a Period of Frontal Passage Using Aircraft Measurements.
PB92-152958/REB 92-01 PC **A06**/MF **A02**

Partitioning of the Sulfate Budget into Gas and Aqueous-Phase Components in the Regional Acid Deposition Model (RADM).
PB92-152966/REB 92-01 PC **A02**/MF **A01**

Investigation of RADM Performance Using Aircraft Measurements.
PB92-152974/REB 92-01 PC **A02**/MF **A01**

Sensitivity of RADM to Point Source Emissions Processing.
PB92-152982/REB 92-01 PC **A02**/MF **A01**

Climate Change and Isoprene Emissions from Vegetation.
PB92-153865/REB 92-01 PC **A03**/MF **A01**

Use of Four-Dimensional Data Assimilation in a Limited-Area Mesoscale Model Part 2: Effects of Data Assimilation within the Planetary Boundary Layer.
PB92-153923/REB 92-01 PC **A03**/MF **A01**

AcidMODES: A Major Field Study to Evaluate Regional Scale Air Pollution Models.
PB92-158518/REB 92-01 PC **A03**/MF **A01**

Application of a Water Quality Assessment Modeling System at a Superfund Site.
PB92-164490/REB 92-01 PC **A05**/MF **A01**

Theoretical Evaluation of Stability of Volatile Organic Chemicals and Polar Volatile Organic Chemicals in Canisters.
PB92-166941/REB 92-01 PC **A03**/MF **A01**

Modeling Contaminant Transport through Subsurface Systems.
PB92-179118/REB 92-01 PC **A03**/MF **A01**

Evaluation of the Rackwitz-Fiessler Uncertainty Analysis Method for Environmental Fate and Transport Models.
PB92-188879/REB 92-01 PC **A03**/MF **A01**

Gas Chromatographic Elution Patterns of Chlorinated Dioxins *versus Column Polarity.*
PB92-192186/REB 92-01 PC **A02**/MF **A01**

Sensitivity of Modeled Ozone Concentrations to Uncertainties in Biogenic Emissions.
PB92-192202/REB 92-01 PC **A10**/MF **A03**

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PB92-195635/REB 92-01 PC **A05**/MF **A01**

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PB92-206564/REB 92-04 PC **A03**/MF **A01**

Interagency Workgroup on Air Quality Modeling (IWAQM) Work Plan Rationale.
PB92-213248/REB 92-04 PC **A03**/MF **A01**

Land-Surface Hydrology Parameterization with Subgrid Variability for General Circulation Models.
PB92-217447/REB 92-04 PC **A03**/MF **A01**

Technical Guidance Manual for Performing Waste Load Allocations. Book 3: Estuaries. Part 1: Estuaries and Waste Load Allocation Models.
PB92-231729/REB 92-04 PC **A05**/MF **A01**

Technical Guidance Manual for Performing Waste Load Allocations. Book 3: Estuaries. Part 2: Application of Estuarine Waste Load Allocation Models.
PB92-231737/REB 92-04 PC **A06**/MF **A02**

Technical Guidance Manual for Performing Waste Load Allocations. Book 3: Estuaries. Part 3: Use of Mixing Zone Models in Estuarine Waste Load Allocations.
PB92-231745/REB 92-04 PC **A03**/MF **A01**

Technical Guidance Manual for Performing Waste Load Allocations. Book 3: Estuaries. Part 4: Critical Review of Estuarine WLA Modeling.
PB92-231752/REB 92-04 PC **A04**/MF **A01**

Technical Guidance Manual for Performing Wasteload Allocation. Book 6. Design Conditions. Chapter 1: Stream Design Flow for Steady-State Modeling.
PB92-231778/REB 92-04 PC **A04**/MF **A01**

Technical Guidance Manual for Performing Waste Load Allocations: Simplified Analytical Method for Determining NPDES Effluent Limitations for POTWs Discharging into Low-Flow Streams.
PB92-231786/REB 92-04 PC **A04**/MF **A01**

Technical Guidance on Supplementary Stream Design Conditions for Steady State Modeling.
PB92-231844/REB 92-04 PC **A05**/MF **A01**

Approach to Calculating Wind-Driven Currents and Transport of Substances in Unstratified Water Bodies Using Curvilinear Coordinates.
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Drinking Water Criteria Document for Antimony.
PB92-173293/REB 92-01 PC **A05**/MF **A01**

Drinking Water Criteria Document for Beryllium.
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Drinking Water Criteria Document for Dalapon.
PB92-173327/REB 92-01 PC **A04**/MF **A01**

Quantification of Toxicological Effects for Dichloromethane.
PB92-173335/REB 92-01 PC **A03**/MF **A01**

Drinking Water Criteria Document for Di(2-Ethylhexyl) Adipate.
PB92-173343/REB 92-01 PC **A05**/MF **A01**

Drinking Water Criteria Document for Dinoseb.
PB92-173350/REB 92-01 PC **A05**/MF **A01**

Drinking Water Criteria Document for Diquat.
PB92-173368/REB 92-01 PC **A05**/MF **A01**

Drinking Water Criteria Document for Endothall.
PB92-173376/REB 92-01 PC **A05**/MF **A01**

Drinking Water Criteria Document for Endrin.
PB92-173384/REB 92-01 PC **A10**/MF **A03**

Drinking Water Criteria Document for Glyphosate.
PB92-173392/REB 92-01 PC **A03**/MF **A01**

Drinking Water Criteria Document for Hexachlorobenzene.
PB92-173400/REB 92-01 PC **A10**/MF **A03**

*Drinking Water Criteria Document for Hexachlorocyclo*pentadiene.
PB92-173418/REB 92-01 PC **A06**/MF **A02**

Drinking Water Quantification of Toxicologic Effects for Nickel.
PB92-173426/REB 92-01 PC **A05**/MF **A01**

Drinking Water Criteria Document for Oxamyl (VYDATE).
PB92-173434/REB 92-01 PC **A05**/MF **A01**

Drinking Water Criteria Document for Phthalic Acid Esters *(PAES).*
PB92-173442/REB 92-01 PC **A14**/MF **A03**

Drinking Water Criteria Document for Polycyclic Aromatic Hydrocarbons (PAHs).
PB92-173459/REB 92-01 PC **A20**/MF **A04**

Drinking Water Criteria Document for Picloram.
PB92-173467/REB 92-01 PC **A04**/MF **A01**

Drinking Water Criteria Document for Simazine.
PB92-173475/REB 92-01 PC **A05**/MF **A02**

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PB92-173483/REB 92-01 PC **A06**/MF **A02**

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Drinking Water Criteria Document for 1,1,2-Trichloroethane.
PB92-173509/REB 92-01 PC **A05**/MF **A01**

MEASUREMENT

Standard Measurement Protocols: Florida Radon Research Program.
PB92-115294/REB 92-01 PC **A06**/MF **A02**

MEASURING INSTRUMENTS

Waste Minimization Assessment for a Manufacturer of Water Analysis Instrumentation.
PB92-217280/REB 92-04 PC **A01**/MF **A01**

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Supplement of Development Document Effluent Limitations, Guidelines New Source Performance Standards Reprint for the Renderer Segment of the Meat Products and Rendering. Point Source Category.
PB92-232008/REB 92-04 PC **A04**/MF **A01**

MEDICAL ETHICS

Doing the Right Thing (Book Reviews).
PB92-188887/REB 92-01 PC **A01**/MF **A01**

MEDICAL WASTES

Comparison of the Incineration of Medical Waste with Hazardous and Municipal Waste.
PB92-217090/REB 92-04 PC **A03**/MF **A01**

MEDICAL WASTES TRACKING ACT OF 1988

Environmental Laws and Regulations Relating to Medical Waste Disposal.
PB92-217249/REB 92-04 PC **A03**/MF **A01**

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Running a Conference as a Clean Product. International Conference on Pollution Prevention: Clean Technologies and Clean Products. Held in Washington, DC. on June 10-13, 1990.
PB92-109099/REB 92-01 PC **A03**/MF **A01**

Proceedings of the International Workshop on Large-Scale Reforestation. Held in Corvallis, Oregon on May 9-10, 1990.
PB92-109131/REB 92-01 PC **A08**/MF **A02**

*Summary of the 1991 EPA/AWMA International Symposi*um: Measurement of Toxic and Related Air Pollutants. Held in Durham, North Carolina on May 6-10, 1991.
PB92-110386/REB 92-01 PC **A03**/MF **A01**

Workshop Proceedings: The Role of Created and Natural Wetlands in Controlling Nonpoint Source Pollution. Held in Arlington, Virginia on June 10-11, 1991.
PB92-113463/REB 92-01 PC **A13**/MF **A03**

Ecological Indicators. Proceedings of an International *Symposium. Held in Fort Lauderdale, Florida on* October 16-19, 1990.
PB92-114131/REB 92-01 PC **A99**/MF **E99**

Workshop Report on Toxicity Equivalency Factors for Polychlorinated Biphenyl Congeners. Risk Assessment Forum.
PB92-114529/REB 92-01 PC **A05**/MF **A02**

Proceedings of the Workshop on Radon Potential Mapping, Florida Radon Research Program. Held in Gainesville, Florida on April 20, 1990.
PB92-115278/REB 92-01 PC **A04**/MF **A01**

Proceedings: The 1991 International Symposium on Radon and Radon Reduction Technology. Volume 1. Symposium Oral Papers Opening Session and Technical Sessions 1 through 5.
PB92-115351/REB 92-01 PC **A18**/MF **A04**

Proceedings: The 1991 International Symposium on Radon and Radon Reduction Technology. Volume 2. Symposium Oral Papers Technical Sessions 6 through 10.
PB92-115369/REB 92-01 PC **A19**/MF **A04**

Proceedings: The 1991 International Symposium on Radon and Radon Reduction Technology. Volume 3. *Symposium Panel and Poster Papers Technical Sessions* 1 through 5.
PB92-115377/REB 92-01 PC **A20**/MF **A04**

Proceedings: The 1991 International Symposium on Radon and Radon Reduction Technology. Volume 4. Symposium Poster Papers Technical Sessions 6 through 10.
PB92-115385/REB 92-01 PC **A13**/MF **A03**

Proceedings of International Workshop on Research in Pesticide Treatment/Disposal/Waste Minimization. Held in Cincinnati, Ohio on February 26-27, 1991.
PB92-119940/REB 92-01 PC **A10**/MF **A03**

Stationary Combustion NOx Control: A Summary of the 1991 Symposium. Held in Washington, DC., March 25-28, 1991.
PB92-121375/REB 92-01 PC **A02**/MF **A01**

In vitro Teratology.
PB92-124700/REB 92-01 PC **A02**/MF **A01**

International Symposium on Field Screening Methods for Hazardous Wastes and Toxic Chemicals (2nd), Proceedings. Held in Las Vegas, Nevada on February 12-14, 1991.
PB92-125764/REB 92-01 PC **A99**/MF **E08**

Risk Assessment Methodologies: Comparing EPA and State Approaches.
PB92-137462/REB 92-01 PC **A05**/MF **A01**

Seminar Publication: Nonpoint Source Watershed Workshop. Held in New Orleans, Louisiana, January 29-31, 1991.
PB92-137504/REB 92-01 PC **A10**/MF **A03**

Integrating Sustainable Agriculture, Ecology, and Environmental Policy. Proceedings of a Workshop. Held in Arlington, Virginia, on July 22-23, 1991.
PB92-137975/REB 92-01 PC **A11**/MF **A03**

Sulfur Oxides Control Technology Series: Flue Gas Desulfurization: Spray Dryer Process.
PB92-150358/REB 92-01 PC **A03**/MF **A01**

Report of the EPA Peer Review Workshop on Alpha2U-Globulin: Association with Renal Toxicity and Neoplasia in the Male Rat. Held in Gaithersburg, MD. on November 13-14, 1990.
PB92-166826/REB 92-01 PC **A05**/MF **A01**

Annual Risk Reduction Engineering Laboratory Research Symposium (18th) Abstract Proceedings. Held in Cincinnati, Ohio on April 14-16, 1992.
PB92-166859/REB 92-01 PC **A11**/MF **A03**

Report of the Great Lakes Air Toxics Research Priorities Workshop. Held at Navarre, Minnesota on March 11-13, 1991.
PB92-166933/REB 92-01 PC **A03**/MF **A01**

Proceedings on the National United States Environmental Protection Agency Conference on Household Hazardous Waste Management (6th). Held in Seattle, Washington on December 3-7, 1991.
PB92-169390/REB 92-01 PC **A99**/MF **E06**

Air Pollution Effects on Biodiversity.
PB92-170166/REB 92-01 PC **A15**/MF **A03**

Proceedings: 1989 International Conference on Municipal Waste Combustion. Volume 1. Sessions 0, 1, 2, and 3. Held in Hollywood, Florida, on April 11-14, 1989.
PB92-174663/REB 92-01 PC **A19**/MF **A04**

Proceedings: 1989 International Conference on Municipal Waste Combustion. Volume 2. Sessions 4, 5, and 6. Held in Hollywood, Florida on April 11-14, 1989.
PB92-174671/REB 92-01 PC **A19**/MF **A04**

Proceedings: 1989 International Conference on Municipal Waste Combustion. Volume 3. Sessions 7 and 8. Held in Hollywood, Florida, on April 11-14, 1989.
PB92-174689/REB 92-01 PC **A19**/MF **A04**

Proceedings: 1989 International Conference on Municipal Waste Combustion. Volume 4. Sessions 9, 10, 11, and 12. Held in Hollywood, Florida on April 11-14, 1989.
PB92-174697/REB 92-01 PC **A21**/MF **A04**

Dense Nonaqueous Phase Liquids: A Workshop Summary. Held in Dallas, Texas on April 16-18, 1991.
PB92-178938/REB 92-01 PC **A05**/MF **A01**

Acid Aerosol Measurement Intercomparison Workshop. Held in Research Triangle Park, North Carolina on April 10-11, 1991.
PB92-191097/REB 92-01 PC **A15**/MF **A03**

Implementing Protective Actions for Radiological Incidents at Other Than Nuclear Power Reactors. Proceedings of a Workshop. Held in Montgomery, Alabama on September 25-26, 1991.
PB92-192764/REB 92-01 PC **A05**/MF **A01**

Surface-Coating-Free Materials and Reduction of VOC Emissions from Coating Operations.
PB92-206614/REB 92-04 PC **A03**/MF **A01**

Peer Review Workshop Report on a Framework for Ecological Risk Assessment.
PB92-213198/REB 92-04 PC **A06**/MF **A02**

Characterizing Heterogeneous Wastes: Methods and Recommendations (March 26-28, 1991).
PB92-216894/REB 92-04 PC **A08**/MF **A02**

Arsenic and Mercury Workshop on Removal, Recovery, Treatment and Disposal. Abstract Proceedings. Held in Alexandria, Virginia on August 17-20, 1992.
PB92-216944/REB 92-04 PC **A07**/MF **A02**

Workshop: Application of Microcosms for Assessing the Risk of Microbial Biotechnology Products. Held in Hunt Valley, Maryland on May 19, 1992.
PB92-216951/REB 92-04 PC **A07**/MF **A02**

Forum on Innovative Hazardous Waste Treatment Technologies (3rd): Domestic and International. Held in Dallas, Texas on June 11-13, 1991. Technical Papers.
PB92-219732/REB 92-04 PC **A22**/MF **A04**

Multimedia Approaches to Pollution Control: A Symposium Proceedings.
PB92-223171/REB 92-04 PC **A08**/MF **A02**

Opportunities in Applied Environmental Research and Development.
PB92-223189/REB 92-04 PC **A08**/MF **A02**

Enforcement in the 1990's Project: Recommendations of the Analytical Workgroups.
PB92-224286/REB 92-04 PC **A17**/MF **A04**

RCRA Corrective Actions. Speaker Slide Copies.
PB92-224815/REB 92-04 PC **A06**/MF **A02**

Proceedings of a Symposium: Biological Criteria Research and Regulation. Held in Arlington, Virginia on December 12-13, 1990.
PB92-231505/REB 92-04 PC **A09**/MF **A02**

Proceedings of a National Conference: Water Quality Standards for the 21st Century. Held in Dallas, Texas on March 1-3, 1989.
PB92-231810/REB 92-04 PC **A11**/MF **A03**

Proceedings of a Conference: Water Quality Standards for the 21st Century. Held in Arlington, Virginia, on December 10-12, 1990.
PB92-231828/REB 92-04 PC **A12**/MF **A03**

Forum on Innovative Hazardous Waste Treatment Technologies (3rd): Domestic and International. Held in Dallas, Texas on June 11-13, 1991. Abstract Proceedings.
PB92-233881/REB 92-04 PC **A05**/MF **A01**

Superfund Policy Forum Update, Volume 1, Number 1, February 1992.
PB92-963262/REB 92-01 PC **A02**/MF **A01**

Presentations EPA-State Soil Standards Conference. Held in Crystal City, Virginia on January 29, 1991.
PB92-963350/REB 92-01 PC **A06**/MF **A02**

MEMBRANES

Separation of Hazardous Organics by Low Pressure Membranes: Treatment of Soil-Wash Rinse-Water Leachates.
PB92-153436/REB 92-01 PC **A07**/MF **A02**

Ductile-to-Brittle Transition Time in Polyethylene Geomembrane Sheet.
PB92-153758/REB 92-01 PC **A02**/MF **A01**

MENIDIA BERYLLINA

Comparative Acute Sensitivity of Larval Topsmelt, 'Atherinops affinis', and Inland Silverside, 'Menidia beryllina', to 11 Chemicals.
PB92-195668/REB 92-01 PC **A02**/MF **A01**

Reproductive Ecology of the Inland Silverside, 'Menidia beryllina', (Pisces: Atherinidae) from Blackwater Bay, Florida.
PB92-195775/REB 92-01 PC **A03**/MF **A01**

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Relationships of Hg(II) Volatilization from a Freshwater Pond to the Abundance of 'mer' Genes in the Gene Pool of the Indigenous Microbial Community.
PB92-129675/REB 92-01 PC **A03**/MF **A01**

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Mercury Deposition and Sources for the Upper Great Lakes Region.
PB92-120500/REB 92-01 PC **A03**/MF **A01**

Extraction of Mercury from Groundwater Using Immobilized Algae.
PB92-121367/REB 92-01 PC **A02**/MF **A01**

Environmental Profiles and Hazard Indices for Constituents of Municipal Sludge: Mercury.
PB92-122977/REB 92-01 PC **A05**/MF **A01**

Acclimation of Aquatic Microbial Communities to Hg(II) and CH3Hg(+) in Polluted Freshwater Ponds.
PB92-129667/REB 92-01 PC **A03**/MF **A01**

Characterization of Products Containing Mercury in Municipal Solid Waste in the United States, 1970 to 2000.
PB92-162569/REB 92-01 PC **A07**/MF **A02**

Parametric Evaluation of Powdered Activated Carbon Injection for Control of Mercury Emissions from a Municipal Waste Combustor.
PB92-195940/REB 92-01 PC **A03**/MF **A01**

MERCURY (METALS)

Mercury in the St. Louis River, Mississippi River, Crane Lake, and Sand Point Lake: Cycling, Distribution, and Sources. Report to the Legislative Commission on Minnesota Resources.
PB92-195957/REB 92-01 PC **A07**/MF **A02**

Reducing Mercury Emission from Municipal Waste Combustion with Carbon Injection into Flue Gas.
PB92-195965/REB 92-04 PC **A03**/MF **A01**

MERCURY/METHYL

Acclimation of Aquatic Microbial Communities to Hg(II) and CH3Hg(+) in Polluted Freshwater Ponds.
PB92-129667/REB 92-01 PC **A03**/MF **A01**

MESA (ARIZONA)

Superfund Record of Decision (EPA Region 9): Mesa Area Ground Water Contamination, Mesa, AZ. (First Remedial Action), September 1991.
PB92-964514/REB 92-04 PC **A03**/MF **A01**

MESOSCALE PHENOMENA

Use of Four-Dimensional Data Assimilation in a Limited-Area Mesoscale Model Part 2: Effects of Data Assimilation within the Planetary Boundary Layer.
PB92-153923/REB 92-01 PC **A03**/MF **A01**

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Relative Mesothelioma Induction in Rats by Mineral Fibers: Comparison with Residual Pulmonary Mineral Fiber Number and Epidemiology.
PB92-233014/REB 92-04 PC **A03**/MF **A01**

MESSENGER RNA

Gene Probe for PO Messenger RNA Used to Index Acrylamide Toxic Neuropathy in Rats.
PB92-143957/REB 92-01 PC **A03**/MF **A01**

Myelin Basic Protein-Messenger RNA (MBP-mRNA) Expression during Triethyltin-Induced Myelin Edema.
PB92-150861/REB 92-01 PC **A03**/MF **A01**

METABOLIC ACTIVATION

Assessing the Use of Known Mutagens to Calibrate the 'Salmonella typhimurium' Mutagenicity Assay. 2. With Exogenous Activation.
PB92-113273/REB 92-01 PC **A03**/MF **A01**

Evaluating the Relationship of Metabolic Activation System Concentrations and Chemical Dose Concentrations for the Salmonella Spiral and Plate Assays.
PB92-113331/REB 92-01 PC **A03**/MF **A01**

Effect of Pentachlorophenol on the Activation of 2,6-Dinitrotoluene to Genotoxic Urinary Metabolites in CD-1 Mice: A Comparison of GI Enzyme Activities and Urine Mutagenicity.
PB92-150895/REB 92-01 PC **A03**/MF **A01**

Potential of Carp to Bioactivate Benzo(a)pyrene to Metabolites That Bind to DNA.
PB92-189034/REB 92-01 PC **A02**/MF **A01**

METABOLISM

Interactive Effects of Aldrin, Cyclohexylamine, 2,4-Diaminotoluene and Two Phorbol Esters on Metabolic Cooperation between V79 Cells.
PB92-108026/REB 92-01 PC **A02**/MF **A01**

Morphological Transformation and DNA Adduct Formation by Benz(j)aceanthrylene and Its Metabolites in C3H10T1/2CL8 Cells: Evidence for Both Cyclopenta-Ring and Bay-Region Metabolic Activation Pathways.
PB92-150762/REB 92-01 PC **A02**/MF **A01**

Metabolism of Benzo(a)Pyrene and Persistence of DNA Adducts in the Brown Bullhead 'Ictalurus nebulosus'.
PB92-189067/REB 92-01 PC **A02**/MF **A01**

Consideration of the Target Organ Toxicity of Trichloroethylene in Terms of Metabolite Toxicity and Pharmacokinetics.
PB92-198621/REB 92-04 PC **A06**/MF **A02**

METAL FINISHING

Waste Minimization Assessment for a Manufacturer of Metal-Plated Display Racks.
PB92-189703/REB 92-01 PC **A02**/MF **A01**

Modifications to Reduce Drag Out at a Printed Circuit Board Manufacturer.
PB92-198555/REB 92-04 PC **A03**/MF **A01**

Automated Aqueous Rotary Washer for the Metal Finishing Industry. Technology Evaluation Report.
PB92-232214/REB 92-04 PC **A04**/MF **A01**

METAL INDUSTRY

Evaluation of a Sampling and Analysis Method for Determination of Polyhalogenated Dibenzo-p-Dioxins and Dibenzofurans in Ambient Air.
PB92-129600/REB 92-01 PC **A02**/MF **A01**

Waste Minimization Assessment for a Manufacturer of Metal Bands, Clamps, Retainers, and Tooling.
PB92-188747/REB 92-01 PC **A02**/MF **A01**

Waste Minimization Assessment for a Manufacturer Producing Galvanized Steel Parts.
PB92-189695/REB 92-01 PC **A02**/MF **A01**

Waste Minimization Assessment for an Aluminum Extrusions Manufacturer.
PB92-196393/REB 92-04 PC **A02**/MF **A01**

Control of VOC Emissions from Nonferrous Metal Rolling Processes.
PB92-227677/REB 92-04 PC **A05**/MF **A01**

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Development of a Solid Sample Analytical Procedure for Cyanide in Spent Ore. Final Technical Report.
PB92-203496/REB 92-04 PC **A11**/MF **A03**

METALLOTHIONEIN

Role of Metallothionein Induction and Altered Zinc Status in Maternally Mediated Developmental Toxicity: Comparison of the Effects of Urethane and Styrene in Rats.
PB92-124635/REB 92-01 PC **A03**/MF **A01**

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Quantitative Assessment of the Effects of Metals on Microbial Degradation of Organic Chemicals.
PB92-101385/REB 92-01 PC **A02**/MF **A01**

Trace Metal Fate in a Rotary Kiln Incinerator with an Ionizing Wet Scrubber (Journal Article).
PB92-110568/REB 92-01 PC **A02**/MF **A01**

Acid-Volatile Sulfide as a Factor Mediating Cadmium and Nickel Bioavailability in Contaminated Sediments.
PB92-124296/REB 92-01 PC **A03**/MF **A01**

Effects of pH, Solid/Solution Ratio, Ionic Strength, and Organic Acids on Pb and Cd Sorption on Kaolinite.
PB92-143981/REB 92-01 PC **A02**/MF **A01**

Guide to Site and Soil Description for Hazardous Waste Site Characterization. Volume 1. Metals.
PB92-146158/REB 92-01 PC **A13**/MF **A03**

Clean Air Act Requirements for Trace Metals Information.
PB92-164995/REB 92-01 PC **A02**/MF **A01**

Some Constitutive Modifiers of the Kinetic and Dynamic Behavior of Non-Essential Metals.
PB92-227347/REB 92-04 PC **A03**/MF **A01**

Metals in Ground Water: Sampling Artifacts and Reproducibility.
PB92-227479/REB 92-04 PC **A03**/MF **A01**

Acquisition of Representative Ground Water Quality Samples for Metals.
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Technical Assistance Document for Sampling and Analysis of Ozone Precursors.
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PB92-101351/REB 92-01 PC **A13**/MF **A03**

Fuel Cell Energy Recovery from Landfill Gas.
PB92-150614/REB 92-01 PC **A03**/MF **A01**

Development of an Empirical Model of Methane Emissions from Landfills.
PB92-152875/REB 92-01 PC **A06**/MF **A02**

U.S. EPA's Global Climate Change Program: Landfill Emissions and Mitigation Research.
PB92-180215/REB 92-01 PC **A03**/MF **A01**

NATO Workshop on the Atmospheric Methane Cycle. Held in Mt. Hood, Oregon on October 6-11, 1991. Working Group Report on Methane Sources and Sinks.
PB92-180256/REB 92-01 PC **A03**/MF **A01**

Current and Future Environmental Role of Atmospheric Methane: Model Studies and Uncertainties.
PB92-188820/REB 92-01 PC **A03**/MF **A01**

Landfill Gas Energy Utilization: Technology Options and Case Studies.
PB92-203116/REB 92-04 PC **A09**/MF **A02**

Landfill Gas Recovery/Utilization: Options and Economics.
PB92-217066/REB 92-04 PC **A03**/MF **A01**

Seasonal Variations of Stable Hydrogen and Carbon Isotope Ratios of Methane in Subtropical Freshwater Sediments.
PB92-217181/REB 92-04 PC **A03**/MF **A01**

METHANOBACTERIUM THERMOAUTOTROPHICUM
Hydrogenase-Linked Gene in 'Methanobacterium thermoautotrophicum' Strain DeltaH Encodes a Polyferredoxin.
PB92-206234/REB 92-04 PC **A02**/MF **A01**

METHANOGENIC BACTERIA
Hydrogenase-Linked Gene in 'Methanobacterium thermoautotrophicum' Strain DeltaH Encodes a Polyferredoxin.
PB92-206234/REB 92-04 PC **A02**/MF **A01**

METHANOL
Impact of Methanol and CNG Fuels on Motor Vehicle Toxic Emissions.
PB92-110378/REB 92-01 PC **A03**/MF **A01**

Evaluation of a Schatz Heat Battery on a Flexible-Fueled Vehicle.
PB92-114255/REB 92-01 PC **A03**/MF **A01**

Evaluation of a Vehicle Equipped with a Direct Injection Engine Using Neat Methanol.
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Evaluation of a Kemira Oy Resistively Heated Catalyst on a Methanol-Fueled Vehicle.
PB92-104397/REB 92-01 PC **A03**/MF **A01**

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Reregistration Eligibility Document (RED): Methoprene (List A, Case 0030).
PB92-111855/REB 92-01 PC **A03**/MF **A01**

METHOXYACETIC ACIDS
Evaluation of the Immunotoxicity of Orally Administered 2-Methoxyacetic Acid in Fischer 344 Rats.
PB92-124601/REB 92-01 PC **A03**/MF **A01**

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PB92-206416/REB 92-04 PC **A02**/MF **A01**

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Mapping Toxicant-Induced Nervous System Damage with a Cupric Silver Stain: A Quantitative Analysis of Neural Degeneration Induced by 3,4-Methylenedioxymethamphetamine (MDMA) (Revised).
PB92-217389/REB 92-04 PC **A03**/MF **A01**

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PB92-209345/REB 92-04 PC **A02**/MF **A01**

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Superfund Record of Decision (EPA Region 3): USA Aberdeen, Michaelsville, MD. (First Remedial Action), September 1991.
PB92-963909/REB 92-01 PC **A03**/MF **A01**

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Fish Communities in Lakes in Subregion 2B (Upper Peninsula of Michigan) in Relation to Lake Acidity. Volume 1 and Volume 2: Appendices. Data Tape Documentation.
PB92-169630/REB 92-04 PC **A11**/MF **A03**

Fish and Chemistry Data for the Upper Peninsula of Michigan Report (for Microcomputers).
PB92-503085/REB 92-04 CP **D02**

National Priorities List Sites: Michigan.
PB92-963247/REB 92-01 PC **A10**/MF **A03**

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PB92-179050/REB 92-01 PC **A03**/MF **A01**

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PB92-217488/REB 92-04 PC **A03**/MF **A01**

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Demonstration of Microfiltration Technology.
PB92-136936/REB 92-01 PC **A02**/MF **A01**

Technology Evaluation Report: SITE Program Demonstration of the DuPont/Oberlin Microfiltration Technology.
PB92-153410/REB 92-01 PC **A06**/MF **A02**

Technology Demonstration Summary, DuPont/Oberlin Microfiltration System, Palmerton, Pennsylvania. April-May 1992.
PB92-224351/REB 92-04 PC **A02**/MF **A01**

MICRONUCLEI
Kinetochore-Staining of Spermatid Micronuclei: Studies of Mice Treated with X-Radiation or Acrylamide.
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PB92-216951/REB 92-04 PC **A07**/MF **A02**

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Superfund Record of Decision (EPA Region 2): Global Landfill, Middlesex County, NJ. (First Remedial Action), October 1991.
PB92-963804/REB 92-01 PC **A08**/MF **A02**

MIDDLESEX COUNTY (NEW JERSEY)
Superfund Record of Decision (EPA Region 2): Chemsol, Inc., Piscataway, Middlesex County, NJ. (First Remedial Action), September 1991.
PB92-963811/REB 92-01 PC **A04**/MF **A01**

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PB92-146281/REB 92-01 PC **A15**/MF **A03**

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Superfund Record of Decision (EPA Region 2): Naval Air Engineering Center, (Operable Unit 4), Lakehurst, NJ. (Third Remedial Action), September 1991.
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PB92-963919/REB 92-01 PC **A05**/MF **A01**

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Mining Sites on the National Priorities List: NPL Site Summary Reports. Volume 2 (Commencement Bay Nearshore/Tideflats to Kerr McGee) (Kress Creek, Reed-Keppler Park, Residential Areas, Sewage Treatment Plant).
PB92-124775/REB 92-01 PC **A99**

Mining Sites on the National Priorities List: NPL Site Summary Reports. Volume 3 (Kerr-McGee Chemical Corp. (Soda Springs Plant) to Ormet Corp).
PB92-124783/REB 92-01 PC **A99**

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PB92-124791/REB 92-01 PC **A99**

Mining Sites on the National Priorities List: NPL Site Summary Reports. Volume 5 (Teledyne Wah Chang to Wayne Interim Storage Facility/W.R. Grace).
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Inactive and Abandoned Noncoal Mines. Volume 3. Appendix: State Reports.
PB92-190131/REB 92-01 PC **A14**/MF **A03**

Projected Regulatory, Programmatic and Fiscal Impacts of EPA's Strawman-II on State Mine Waste Management Programs. Volume 1. Summary Report.
PB92-190156/REB 92-01 PC **A04**/MF **A01**

Projected Regulatory, Programmatic and Fiscal Impacts of EPA's Strawman-II on State Mine Waste Management Programs. Volume 2. State Reports of Western Governors' Association Mine Waste Task Force States.
PB92-190164/REB 92-01 PC **A99**

Projected Regulatory, Programmatic and Fiscal Impacts of EPA's Strawman-II on State Mine Waste Management Programs. Volume 3. Appendix: State Reports Interstate Coalition on Mine Waste.
PB92-190172/REB 92-01 PC **A14**

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Relative Mesothelioma Induction in Rats by Mineral Fibers: Comparison with Residual Pulmonary Mineral Fiber Number and Epidemiology.
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Abiotic Transformation of Carbon Tetrachloride in the Presence of Sulfide and Mineral Surfaces.
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Modeling Air Flow Dynamics in Radon Mitigation Systems. A Simplified Approach.
PB92-120427/REB 92-01 PC **A02**/MF **A01**

National Radon Contractor Proficiency (RCP) Program. Proficiency Report, January 1992.
PB92-120914/REB 92-01 PC **A10**/MF **A03**

U.S. EPA Office of Research and Development Overview of Current Radon Research.
PB92-121250/REB 92-01 PC **A02**/MF **A01**

Quality Assurance Project Plan: Tampa, Florida Wetlands Study.
PB92-122761/REB 92-01 PC **A11**/MF **A03**

National Radon Contractor Proficiency (RCP) Program. Proficiency Report, July 1992.
PB92-206150/REB 92-04 PC **A12**/MF **A03**

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PB92-206580/REB 92-04 PC **A03**/MF **A01**

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PB92-126911/REB 92-01 PC **A03**/MF **A01**

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Overview, Conclusions, and Recommendations of the IPCS Collaborative Study on Complex Mixtures.
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Source Reconciliation of Ambient Volatile Organic Compounds Measured in the Atlanta 1990 Summer Study: The Mobile Source Component.
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Design, Development, and Implementation of AIRS' Area and Mobile Source Subsystem.
PB92-124213/REB 92-01 PC **A03**/MF **A01**

Characterization of the Wintertime Boise, Idaho, Air Shed: A Comprehensive Field Study Report for the U.S. EPA Office of Air Quality Planning and Standards.
PB92-136803/REB 92-01 PC **A04**/MF **A01**

Procedures for Emission Inventory Preparation. Volume 4: Mobile Sources.
PB92-209386/REB 92-04 PC **A11**/MF **A03**

MODEL CONCENTRATION DATA RETRIEVAL SUBSYSTEM

Gridded Model Information Support System (GMISS) User's Guide. Volume 3. Model Concentration Data Retrieval Subsystem.
PB92-190263/REB 92-01 PC **A05**/MF **A01**

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Natural Enemy Risk Assessment (NERISK) (for Microcomputers).
PB92-500446/REB 92-01 CP **D06**

Regional Oxidant Model (ROM), (Source Code Only) (Version 2.1).
PB92-500842/REB 92-01 MagTape$1500.00

Regional Oxidant Model (ROM), Source Code and Test Data (Version 2.1).
PB92-500859/REB 92-01 MagTape$4000.00

Standardized Costs for Water Supply Distribution (for Microcomputers).
PB92-501436/REB 92-01 CP **D02**

Preliminary Ranking Evaluation Score (PREscore) Version 1.1 (for Microcomputers).
PB92-503507/REB 92-04 CP **D02**

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Superfund Record of Decision (EPA Region 3): Brodhead Creek, Stroudsburg, PA. (First Remedial Action), March 1991.
PB92-963915/REB 92-01 PC **A06**/MF **A02**

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National Priorities List Sites: Montana.
PB92-963235/REB 92-01 PC **A04**/MF **A01**

MOORE COUNTY (NORTH CAROLINA)

Superfund Record of Decision (EPA Region 4): Aberdeen Pesticide Dumps, Moore County, Aberdeen, NC. (First Remedial Action), (Amendment), September 1991.
PB92-964005/REB 92-01 PC **A07**/MF **A02**

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PB92-171370 92-01 Not available NTIS

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PB92-216910/REB 92-04 PC **A04**/MF **A01**

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MOUNTAIN VIEW (CALIFORNIA)

Superfund Record of Decision (EPA Region 9): Teledyne Semiconductor (Spectra Physics), Mountain View, CA. (First Remedial Action), March 1991.
PB92-964505/REB 92-01 PC **A05**/MF **A01**

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Methodology for Assessing Environmental Releases of and Exposure to Municipal Solid Waste Combustor Residuals.
PB92-109149/REB 92-01 PC **A07**/MF **A02**

Combustion Control of Trace Organic Air Pollutants from Municipal Waste Combustors.
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United States Environmental Protection Agency Municipal Waste Combustion Residue Solidification/Stabilization Evaluation Program.
PB92-121177/REB 92-01 PC **A03**/MF **A01**

U.S. EPA Program for Evaluation of Treatment and Utilization Technologies for Municipal Waste Combustion Residues.
PB92-121185/REB 92-01 PC **A03**/MF **A01**

Comparison of Five Solidification/Stabilization Processes for Treatment of Municipal Waste Combustion Residues. Part 1. Physical Testing.
PB92-121193/REB 92-01 PC **A03**/MF **A01**

Comparison of Solidification/Stabilization Processes for Treatment of Municipal Waste Combustion Residues. Part 2. Leaching Properties.
PB92-121201/REB 92-01 PC **A03**/MF **A01**

Cleaning of Flue Gases from Waste Combustors, 1990.
PB92-121300/REB 92-01 PC **A03**/MF **A01**

Role of Gas-Phase Cl2 in the Formation of PCDD/PCDF during Waste Combustion.
PB92-121383/REB 92-01 PC **A02**/MF **A01**

Demonstration of Fuel Cells to Recover Energy from Landfill Gas. Phase 1 Final Report: Conceptual Study.
PB92-137520/REB 92-01 PC **A05**/MF **A01**

Emission Factor Documentation for AP-42 Section 2.1.1., Municipal Waste Combustion.
PB92-152867/REB 92-01 PC **A15**/MF **A03**

Trace Elements, Leaching and Health Risks from Municipal Waste Combustion Ash.
PB92-153311/REB 92-01 PC **A03**/MF **A01**

Environmental Protection Agency's Municipal Solid Waste Landfill Liner Design Criteria.
PB92-153766/REB 92-01 PC **A02**/MF **A01**

Characterization of Products Containing Mercury in Municipal Solid Waste in the United States, 1970 to 2000.
PB92-162569/REB 92-01 PC **A07**/MF **A02**

Proceedings: 1989 International Conference on Municipal Waste Combustion. Volume 1. Sessions 0, 1, 2, and 3. Held in Hollywood, Florida, on April 11-14, 1989.
PB92-174663/REB 92-01 PC **A19**/MF **A04**

Proceedings: 1989 International Conference on Municipal Waste Combustion. Volume 2. Sessions 4, 5, and 6. Held in Hollywood, Florida on April 11-14, 1989.
PB92-174671/REB 92-01 PC **A19**/MF **A04**

Proceedings: 1989 International Conference on Municipal Waste Combustion. Volume 3. Sessions 7 and 8. Held in Hollywood, Florida, on April 11-14, 1989.
PB92-174689/REB 92-01 PC **A19**/MF **A04**

Proceedings: 1989 International Conference on Municipal Waste Combustion. Volume 4. Sessions 9, 10, 11, and 12. Held in Hollywood, Florida on April 11-14, 1989.
PB92-174697/REB 92-01 PC **A21**/MF **A04**

Alternative Daily Cover Materials for Municipal Solid Waste Landfills.
PB92-208206/REB 92-04 PC **A03**/MF **A01**

Landfill Gas Recovery/Utilization: Options and Economics.
PB92-217066/REB 92-04 PC **A03**/MF **A01**

Solid Waste Contract Negotiation Handbook.
PB92-232172/REB 92-04 PC **A05**/MF **A01**

MUNICIPALITIES

Environmental Profiles and Hazard Indices for Constituents of Municipal Sludge: Mercury.
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Environmental Profiles and Hazard Indices for Constituents of Municipal Sludge: Lead.
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Environmental Profiles and Hazard Indices for Constituents of Municipal Sludge: DDT/DDE/DDD.
PB92-150408/REB 92-01 PC **A05**/MF **A01**

Characterization of Municipal Solid Waste in the United States: 1992 Update.
PB92-207166/REB 92-04 PC **A07**/MF **A02**

Toxicity Reduction Evaluation at a Municipal Wastewater Treatment Plant Using Mutagenicity as an Endpoint.
PB92-232834/REB 92-04 PC **A02**/MF **A01**

Andrew W. Breidenbach Environmental Research Center Small Systems Resource Directory.
PB92-239565/REB 92-04 PC **A04**/MF **A01**

Superfund Accelerated Cleanup Bulletin. Volume 1, Number 1. Presumptive Remedies for Municipal Landfill Sites.
PB92-963367/REB 92-04 PC **A01**/MF **A01**

Superfund Record of Decision (EPA Region 2): Juncos Landfill, Juncos, PR. (First Remedial Action), September 1991.
PB92-963831/REB 92-04 PC **A05**/MF **A02**

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Upper-Bound Quantitative Cancer Risk Estimate for Populations Adjacent to Sulfur Mustard Incineration Facilities.
PB92-137207/REB 92-01 PC **A03**/MF **A01**

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Evaluating the Human Health Effects of Hazardous Wastes: Reproduction and Development, Neurotoxicity, Genetic Toxicity and Cancer.
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Assessing the Use of Known Mutagens to Calibrate the 'Salmonella typhimurium' Mutagenicity Assay. 1. Without Exogenous Activation.
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Evaluation of 10 Chemicals for Aneuploidy Induction in the Hexaploid Wheat Assay.
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Evaluating the Relationship of Metabolic Activation System Concentrations and Chemical Dose Concentrations for the Salmonella Spiral and Plate Assays.
PB92-113331/REB 92-01 PC **A03**/MF **A01**

Genotoxicity in Mouse Lymphoma Cells of Chemicals Capable of Michael Addition.
PB92-120484/REB 92-01 PC **A02**/MF **A01**

Genotoxic Effects of Complex Marine Sediment Extracts on V79 Chinese Hamster Lung Fibroblasts.
PB92-121318/REB 92-01 PC **A02**/MF **A01**

Application of a Plant Test System in the Identification of Potential Genetic Hazards at Chemical Waste Sites.
PB92-124551/REB 92-01 PC **A03**/MF **A01**

Review of the Mutagenicity of Ethylene Oxide.
PB92-124569/REB 92-01 PC **A03**/MF **A01**

Overview, Conclusions, and Recommendations of the IPCS Collaborative Study on Complex Mixtures.
PB92-150689/REB 92-01 PC **A03**/MF **A01**

Design and Implementation of a Collaborative Study of the Mutagenicity of Complex Mixtures in 'Salmonella typhimurium'.
PB92-150697/REB 92-01 PC **A02**/MF **A01**

Morphological Transformation and DNA Adduct Formation by Benz(j)aceanthrylene and Its Metabolites in C3H10T1/2CL8 Cells: Evidence for Both Cyclopenta-Ring and Bay-Region Metabolic Activation Pathways.
PB92-150762/REB 92-01 PC **A02**/MF **A01**

Effect of Pentachlorophenol on the Activation of 2,6-Dinitrotoluene to Genotoxic Urinary Metabolites in CD-1 Mice: A Comparison of GI Enzyme Activities and Urine Mutagenicity.
PB92-150895/REB 92-01 PC **A03**/MF **A01**

DNA Strand Breaks Induced in Cultured Human and Rodent Cells by Chlorohydroxyfuranones, Mutagens Isolated from Drinking Water.
PB92-164904/REB 92-01 PC **A03**/MF **A01**

Introduction and Summary. Genotoxicity and Carcinogenicity Databases: An Assessment of the Present Situation.
PB92-188986/REB 92-01 PC **A01**/MF **A01**

Genetic Activity Profile Database.
PB92-189091/REB 92-01 PC **A02**/MF **A01**

Prophage Induction by DNA Topoisomerase II Poisons and Reactive-Oxygen Species: Role of DNA Breaks.
PB92-195866/REB 92-01 PC **A03**/MF **A01**

2,4,5-Trichlorophenoxyacetic Acid Influence on 2,6-Dinitrotoluene-Induced Urine Genotoxicity in Fisher 344 Rats: Effect on Gastrointestinal Microflora and Enzyme Activity.
PB92-206309/REB 92-04 PC **A02**/MF **A01**

Considerations in the U.S. Environmental Protection Agency's Testing Approach for Mutagencity.
PB92-206341/REB 92-04 PC **A03**/MF **A01**

Approach to the Design of Nonmutagenic Azo Dyes: Analogues of the Mutagen 4-Amino-3-Methoxyazobenzene (Chapter 4).
PB92-206556/REB 92-04 PC **A03**/MF **A01**

DNA Adduct Formation by 12 Chemicals with Populations Potentially Suitable for Molecular Epidemiological Studies.
PB92-227628/REB 92-04 PC **A04**/MF **A01**

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Mutants of 'Pseudomonas cepacia' G4 Defective in Catabolism of Aromatic Compounds and Trichloroethylene.
PB92-129741/REB 92-01 PC **A02**/MF **A01**

Induction of Nuclear Anomalies in the Gastrointestinal Tract by Polycyclic Aromatic Hydrocarbons.
PB92-164896/REB 92-01 PC **A03**/MF **A01**

Induction of Gastrointestinal Tract Nuclear Anomalies in B6C3F1 Mice by 3-Chloro-4-(Dichloromethyl)-5-Hydroxy-2(5H)-Furanone and 3,4-(Dichloro)-5-Hydroxy-2(5H)-Furanone, Mutagenic Byproducts of Chlorine Disinfection.
PB92-164938/REB 92-01 PC **A02**/MF **A01**

MYCORRHIZAL PLANTS

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MYSIDOPSIS BAHIA

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PB92-108034/REB 92-01 PC **A02**/MF **A01**

Influence of Constant and Fluctuating Salinity on Responses of 'Mysidopsis bahia' Exposed to Cadmium in a Life-Cycle Test.
PB92-108042/REB 92-01 PC **A03**/MF **A01**

Life History and Toxicological Comparisons of Temperate and Subtropical Mysids.
PB92-124304/REB 92-01 PC **A03**/MF **A01**

Changes in the Physiological Performance and Energy Metabolism of an Estuarine Mysid 'Mysidopsis bahia' Exposed in the Laboratory through a Complete Life Cycle to the Defoliant DEF.
PB92-129709/REB 92-01 PC **A03**/MF **A01**

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Life History and Toxicological Comparisons of Temperate and Subtropical Mysids.
PB92-124304/REB 92-01 PC **A03**/MF **A01**

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Reduction of Disinfection By-Product Precursors by Nanofiltration.
PB92-149269/REB 92-01 PC **E99**/MF **A06**

NAPHTHALENE
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PB92-113190/REB 92-01 PC **A02**/MF **A01**

NARCOTICS
Model of Additive Effects of Mixtures of Narcotic Chemicals.
PB92-108174/REB 92-01 PC **A02**/MF **A01**

NATIONAL ACID PRECIPITATION ASSESSMENT PROGRAM
National Acid Precipitation Assessment Program (NAPAP) Emissions Inventory, 1985 (Version 2). Development of the Annual Data and Modelers' (for Microcomputers).
PB92-501139/REB 92-01 CP **D04**

NATIONAL AIR TOXICS INFORMATION CLEARINGHOUSE
National Air Toxics Information Clearinghouse: Bibliography of Selected Reports and Federal Register Notices Related to Air Toxics. Volume 5. Citations, 1991.
PB92-111830/REB 92-01 PC **A10**/MF **A03**

National Air Toxics Information Clearinghouse: Ongoing Research and Regulatory Development Projects.
PB92-111905/REB 92-01 PC **A10**/MF **A03**

National Air Toxics Information Clearinghouse: Bibliography of Selected Reports and Federal Register Notices Related to Air Toxics. Index, 1991.
PB92-111913/REB 92-01 PC **A21**/MF **A04**

NATIONAL AIR TOXICS INFORMATION CLEARINGHOUSE DATA BASE
NATICH Data Base Report on State, Local and EPA Air Toxics Activities, September 1991.
PB92-143700/REB 92-01 PC **A99**/MF **A06**

NATIONAL AMBIENT AIR QUALITY STANDARDS
Transportation and Air Quality Planning Guidelines, 1992.
PB92-201458/REB 92-04 PC **A10**/MF **A03**

NATIONAL ATMOSPHERIC DEPOSITION PROGRAM
Quality Assurance Support for the National Atmospheric Deposition Program and National Trends Network Monitoring Activities. Fourth Progress Report, 1990-1991.
PB92-194000/REB 92-01 PC **A06**/MF **A02**

NATIONAL ATMOSPHERIC DEPOSITION PROGRAM/ NATIONAL TRENDS NETWORK
Summary Report for the National Atmospheric Deposition Program/National Trends Network (NADP/NTN) Site Visitation Program for the Period October 1989 through September 1990.
PB92-217298/REB 92-04 PC **A05**/MF **A01**

Summary Report for the National Atmospheric Deposition Program National Trends Network (NADP/NTN) Site Visitation Program.
PB92-219823/REB 92-04 PC **A06**/MF **A02**

NATIONAL DRY DEPOSITION NETWORK
Routine Estimation and Reporting of Dry Deposition for the U.S.A. Dry Deposition Network.
PB92-121144/REB 92-01 PC **A03**/MF **A01**

NATIONAL EMISSION STANDARD FOR HAZARDOUS AIR POLLUTANTS
Production of Acetal, Amino, and Phenolic Resins.
PB92-213263/REB 92-04 PC **A08**/MF **A02**

NATIONAL ENVIRONMENTAL POLICY ACT
Base Realignment and Closure 'How-to' Manual for Compliance with the National Environment Policy Act.
PB92-146281/REB 92-01 PC **A15**/MF **A03**

NATIONAL GOVERNMENT
National Toxicology Program: Review of Current DHHS, DOE, and EPA Research Related to Toxicology, Fiscal Year 1991.
PB92-189141/REB 92-01 PC **A14**/MF **A03**

NATIONAL HOME AND GARDEN PESTICIDE USE SURVEY
National Home and Garden Pesticide Use Survey Final Report. Executive Summary.
PB92-174739/REB 92-01 PC **A03**/MF **A01**

National Home and Garden Pesticide Use Survey. Final Report. Volume 1. Executive Summary, Results, and Recommendations.
PB92-174747/REB 92-01 PC **A16**/MF **A03**

NATIONAL HUMAN ADIPOSE TISSUE SURVEY
Chlorinated Dioxins and Furans in the General U.S. Population: NHATS FY87 Results.
PB92-180157/REB 92-01 PC **A12**/MF **A03**

NATIONAL HUMAN MONITORING PROGRAM
Monitoring Human Tissues for Toxic Substances.
PB92-223239/REB 92-04 PC **A10**/MF **A03**

NATIONAL PESTICIDE SURVEY
Quality Assurance Project Plan for the National Pesticide Survey of Drinking Water Wells.
PB92-168509/REB 92-04 PC **A07**/MF **A02**

Quality Assurance Project Plan for the National Pesticide Survey of Drinking Water Wells: Analytical Method 1 - Nitrogen/Phosphorous Pesticides and Analytical Method 3 - Chlorinated Acid Herbicides.
PB92-168517/REB 92-04 PC **A12**/MF **A03**

Quality Assurance Plan for the National Pesticide Survey of Drinking Water Wells: Analytical Method 2 - Chlorinated Pesticides.
PB92-168525/REB 92-04 PC **A08**

Quality Assurance Project Plan for the National Pesticide Survey of Drinking Water Wells: Analytical Method 5 - Methyl Carbamates.
PB92-168541/REB 92-04 PC **A06**/MF **A02**

Quality Assurance Project Plan for the National Pesticide Survey of Drinking Water Wells: Analytical Method 6.
PB92-168558/REB 92-04 PC **A07**/MF **A02**

Quality Assurance Project Plan for the National Pesticide Survey of Drinking Water Wells: Analytical Method 7 - Fumigants.
PB92-168566/REB 92-04 PC **A06**/MF **A02**

Quality Assurance Project Plan for the National Pesticide Survey of Drinking Water Wells: Analytical Method 9 - Nitrate and Nitrite.
PB92-168574/REB 92-04 PC **A05**/MF **A01**

Quality Assurance Project Plan for the National Pesticide Survey of Drinking Water Wells Referee Analyses for Analytical Method 2 - Organochlorine Pesticides, Analytical Method 4 - Carbamates, Method 5 - Methylcarbamates, Method 7 - Fumigants, and Method 9 - Nitrate/Nitrite.
PB92-168582/REB 92-04 PC **A11**/MF **A03**

Quality Assurance Project Plan for the National Pesticide Survey of Drinking Water Wells: Analytical Method 1.
PB92-168590/REB 92-04 PC **A08**/MF **A02**

Quality Assurance Project Plan for the National Pesticide Survey of Drinking Water Wells: Analytical Method 3.
PB92-168608/REB 92-04 PC **A09**/MF **A02**

Quality Assurance Project Plan for the National Pesticide Survey of Drinking Water Wells: Analytical Method 6 - Ethylene Thiourea.
PB92-168616/REB 92-04 PC **A07**/MF **A02**

Quality Assurance Project Plan for the National Pesticide Survey of Drinking Water Wells: Hydrogeologic Characterization and Second-Stage Stratification Activities.
PB92-168624/REB 92-04 PC **A08**/MF **A02**

Quality Assurance Project Plan for the National Pesticide Survey of Drinking Water Wells: Survey Statistics, Data Collection and Processing.
PB92-168640/REB 92-04 PC **A04**/MF **A01**

NATIONAL PESTICIDE SURVEYS
Quality Assurance Project Plan for the National Survey of Pesticides in Drinking Water Wells: Well Sampling, Data Collection and Processing.
PB92-168632/REB 92-04 PC **A07**/MF **A02**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
Technical Guidance Manual for Performing Waste Load Allocations: Simplified Analytical Method for Determining NPDES Effluent Limitations for POTWs Discharging into Low-Flow Streams.
PB92-231786/REB 92-04 PC **A04**/MF **A01**

NATIONAL PRIORITIES LIST
Mining Sites on the National Priorities List: NPL Site Summary Reports. Volume 1 (Aluminum Company of America (Vancouver Smelter) to Cleveland Mill).
PB92-124767/REB 92-01 PC **A99**

Mining Sites on the National Priorities List: NPL Site Summary Reports. Volume 2 (Commencement Bay Nearshore/Tideflats to Kerr McGee) (Kress Creek, Reed-Keppler Park, Residential Areas, Sewage Treatment Plant).
PB92-124775/REB 92-01 PC **A99**

Mining Sites on the National Priorities List: NPL Site Summary Reports. Volume 3 (Kerr-McGee Chemical Corp. (Soda Springs Plant) to Ormet Corp).
PB92-124783/REB 92-01 PC **A99**

Mining Sites on the National Priorities List: NPL Site Summary Reports. Volume 4 (Oronogo-Duenweg Mining Belt to Tar Creek).
PB92-124791/REB 92-01 PC **A99**

Mining Sites on the National Priorities List: NPL Site Summary Reports. Volume 5 (Teledyne Wah Chang to Wayne Interim Storage Facility/W.R. Grace).
PB92-124809/REB 92-01 PC **A99**

National Priorities List Sites: Connecticut.
PB92-963203/REB
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see individual report for order number and price

National Priorities List Sites: Maine.
PB92-963204/REB 92-01 PC **A04**/MF **A01**

National Priorities List Sites: New Hampshire.
PB92-963205/REB 92-01 PC **A04**/MF **A01**

National Priorities List Sites: Massachusetts.
PB92-963206/REB 92-01 PC **A05**/MF **A01**

National Priorities List Sites: Puerto Rico.
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National Priorities List Sites: North Carolina.
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PB92-963230/REB 92-01 PC **A04**/MF **A01**

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PB92-963231/REB 92-01 PC **A04**/MF **A01**

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National Priorities List Sites: Wyoming.
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National Priorities List Sites: California and Hawaii.
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National Priorities List Sites: American Samoa, Guam, and the Trust Territories.
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National Priorities List Sites: Wisconsin.
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National Priorities List Sites: Alaska.
PB92-963251/REB 92-01 PC **A04**/MF **A01**

Superfund: Focusing on the Nation at Large. 1991 Update.
PB92-963252/REB 92-01 PC **A05**/MF **A01**

National Priorities List Sites Set (1991).
PB92-963253/REB 92-01 PC **E99**/MF **E99**

NPL Characterization Project: National Results.
PB92-963304/REB 92-01 PC **A07**/MF **A02**

NPL Characterization Project: Region 1 Results.
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NPL Characterization Project: Region 3 Results.
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NPL Characterization Project: Region 4 Results.
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PB92-963312/REB 92-01 PC **A05**/MF **A01**

NPL Characterization Project: Region 9 Results.
PB92-963313/REB 92-01 PC **A05**/MF **A01**

NPL Characterization Project: Region 10 Results.
PB92-963314/REB 92-01 PC **A05**/MF **A01**

Authorization for Regional Administrators to Approve Consistency Exemptions at NPL Sites.
PB92-963343/REB 92-01 PC **A01**/MF **A01**

Regional Quality Control Guidance for NPL Candidate Sites.
PB92-963352/REB 92-01 PC **A04**/MF **A01**

NATIONAL RADON CONTRACTOR PROFICIENCY PROGRAM

National Radon Contractor Proficiency (RCP) Program. Proficiency Report, January 1992.
PB92-120914/REB 92-01 PC **A10**/MF **A03**

National Radon Contractor Proficiency (RCP) Program. Proficiency Report, July 1992.
PB92-206150/REB 92-04 PC **A12**/MF **A03**

NATIONAL RADON MEASUREMENT PROFICIENCY PROGRAM

National Radon Measurement Proficiency Program: Individual Proficiency Report.
PB92-169473/REB 92-04 PC **A06**/MF **A02**

NATIONAL TRENDS NETWORK

Quality Assurance Support for the National Atmospheric Deposition Program and National Trends Network Monitoring Activities. Fourth Progress Report, 1990-1991.
PB92-194000/REB 92-01 PC **A06**/MF **A02**

NATURAL EMISSION STANDARD FOR HAZARDOUS AIR POLLUTANTS

Guidelines for Asbestos NESHAP Demolition and Renovation Inspection Procedures.
PB92-132836/REB 92-01 PC **A07**/MF **A02**

NATURAL EMISSIONS

Development of Seasonal and Annual Biogenic Emissions Inventories for the U.S. and Canada.
PB92-126796/REB 92-01 PC **A07**/MF **A02**

Estimating Natural Emissions for EPA's Regional Oxidant Model.
PB92-129592/REB 92-01 PC **A03**/MF **A01**

Seasonal and Annual Biogenic Emission Inventories for the U.S. and Canada.
PB92-139427/REB 92-01 PC **A03**/MF **A01**

Climate Change and Isoprene Emissions from Vegetation.
PB92-153865/REB 92-01 PC **A03**/MF **A01**

Stability of Tropospheric OH during Ice Ages, Inter-Glacial Epochs and Modern Times.
PB92-166669/REB 92-01 PC **A02**/MF **A01**

Sensitivity of Modeled Ozone Concentrations to Uncertainties in Biogenic Emissions.
PB92-192202/REB 92-01 PC **A10**/MF **A03**

NATURAL ENEMIES

Pesticide Effects on Arthropod Natural Enemies: A Database Summary.
PB92-124163/REB 92-01 PC **A03**/MF **A01**

Toxicity, Selectivity and Sublethal Effects of Pesticides on Arthropod Natural Enemies: A Data-Base Summary.
PB92-124189/REB 92-01 PC **A03**/MF **A01**

NATURAL ENEMY RISK ASSESSMENT SYSTEM

Natural Enemy Risk Assessment (NERISK) User's Manual.
PB92-114990/REB 92-01 PC **A03**/MF **A01**

Natural Enemy Risk Assessment (NERISK) (for Microcomputers).
PB92-500446/REB 92-01 CP **D06**

NATURAL GAS

Impact of Methanol and CNG Fuels on Motor Vehicle Toxic Emissions.
PB92-110378/REB 92-01 PC **A03**/MF **A01**

NATURAL GAS DISTRIBUTION SYSTEMS

Liquid and Gaseous Fuel Distribution System.
PB92-115203/REB 92-01 PC **A03**/MF **A01**

NATURAL GAS ENGINES

Natural Gas Vehicle Challenge: EPA Emissions and Fuel Economy Testing, 1992.
PB92-217926/REB 92-04 PC **A04**/MF **A01**

NATURAL ORGANIC MATTER

GAC Adsorption of a Mixture of Natural Organic Matter and VOCs in the Presence and Absence of Molecular Oxygen.
PB92-153782/REB 92-01 PC **A03**/MF **A01**

NATURAL RESOURCE TRUSTEES

ECO Update. Volume 1, Number 3. The Role of Natural Resource Trustees in the Superfund Process.
PB92-963369/REB 92-04 PC **A03**/MF **A01**

NATURAL RESOURCES

EPA's Environmental Monitoring and Assessment Program: An Ecological Status and Trends Program.
PB92-121169/REB 92-01 PC **A03**/MF **A01**

Cartographic and Geometric Components of a Global Sampling Design for Environmental Monitoring.
PB92-217397/REB 92-04 PC **A03**/MF **A01**

Memorandum of Understanding between the National Oceanic and Atmospheric Administration and the U.S. Environmental Protection Agency Concerning the Notification and Coordination of Activities Pursuant to the Comprehensive Environmental Response, Compensation, and Liability Act.
PB92-963281/REB 92-04 PC **A03**/MF **A01**

NATURAL RESOURCES MANAGEMENT

Evaluating Created Wetlands through Comparisons with Natural Wetlands.
PB92-111566/REB 92-01 PC **A03**/MF **A01**

Global Carbon Cycle and Climate Change.
PB92-153741/REB 92-01 PC **A03**/MF **A01**

Chesapeake Bay Weakfish and Spotted Seatrout Fishery Management Plan: An Agreement Commitment Report from the Chesapeake Executive Council.
PB92-186477/REB 92-01 PC **A03**/MF **A01**

Protecting Endangered Species: Interim Measures, Baker County, Georgia.
PB92-232404/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, El Paso County, Texas.
PB92-232420/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, Monongalia County, West Virginia.
PB92-232438/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, Hudspeth County, Texas.
PB92-232487/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, Towns County, Georgia.
PB92-232503/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, Austin County, Texas.
PB92-232545/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, Sunflower County, Mississippi.
PB92-232552/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, Dubuque County, Iowa.
PB92-232560/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, Fayette County, Iowa.
PB92-232578/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, Habersham County, Georgia.
PB92-232586/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, Rabun County, Georgia.
PB92-232594/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, Yavapai County, Arizona.
PB92-232677/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, Wheeler County, Georgia.
PB92-232693/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, Sumter County, Georgia.
PB92-232701/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, Colorado County, Texas.
PB92-232719/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, Floyd County, Georgia.
PB92-232727/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, Davidson County, Tennessee.
PB92-232735/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, Gordon County, Georgia.
PB92-232743/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, Dooly County, Georgia.
PB92-232750/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, Henderson County, North Carolina.
PB92-232768/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, Lee County, Georgia.
PB92-232776/REB 92-04 PC **A01**/MF **A01**

NATURAL VENTILATION

Effect of Natural Ventilation on Radon and Radon Progeny Levels in Houses.
PB92-124148/REB 92-01 PC **A03**/MF **A01**

Natural Basement Ventilation as a Radon Mitigation Technique.
PB92-166958/REB 92-01 PC **A03**/MF **A01**

NATURAL WETLANDS

Evaluating Created Wetlands through Comparisons with Natural Wetlands.
PB92-111566/REB 92-01 PC **A03**/MF **A01**

Workshop Proceedings: The Role of Created and Natural Wetlands in Controlling Nonpoint Source Pollution. Held in Arlington, Virginia on June 10-11, 1991.
PB92-113463/REB 92-01 PC **A13**/MF **A03**

Quality Assurance Project Plan: Tampa, Florida Wetlands Study.
PB92-122761/REB 92-01 PC **A11**/MF **A03**

Pilot Study to Compare Created and Natural Wetlands in Western Washington and Evaluate Methods.
PB92-136811/REB 92-01 PC **A04**/MF **A01**

NAVAJO COUNTY (ARIZONA)

Protecting Endangered Species: Interim Measures, Navajo County, Arizona.
PB92-232511/REB 92-04 PC **A01**/MF **A01**

NEANTHES ARENACEODENTATA

Effects of a Contaminated Sediment on Life History Traits and Population Growth Rate of 'Neanthes Arenaceodentata' (Polychaeta: Nereidae) in the Laboratory.
PB92-108059/REB 92-01 PC **A03**/MF **A01**

Neanthes Long-Term Exposure Experiment: Further Evaluation of the Relationship between Juvenile Growth and Reproductive Success.
PB92-166891/REB 92-01 PC **A03**/MF **A01**

NEBRASKA

National Priorities List Sites: Nebraska.
PB92-963233/REB 92-01 PC **A04**/MF **A01**

NEOPLASTIC CELL TRANSFORMATION

Human Bronchial Epithelial Cell Strain with Unusual In vitro Growth Potential Which Undergoes Neoplastic Transformation after SV40 T Antigen Gene Transfection.
PB92-206358/REB 92-04 PC **A03**/MF **A01**

NERISK COMPUTER PROGRAM

NERISK: An Expert System to Enhance the Integration of Pesticides with Anthropod Biological Control.
PB92-124254/REB 92-01 PC **A02**/MF **A01**

NERISK SYSTEM

Natural Enemy Risk Assessment (NERISK) User's Manual.
PB92-114990/REB 92-01 PC **A03**/MF **A01**

Natural Enemy Risk Assessment (NERISK) (for Microcomputers).
PB92-500446/REB 92-01 CP **D06**

NERVE DEGENERATION

Mapping Toxicant-Induced Nervous System Damage with a Cupric Silver Stain: A Quantitative Analysis of Neural Degeneration Induced by 3,4-Methylenedioxymethamphetamine (MDMA) (Revised).
PB92-217389/REB 92-04 PC **A03**/MF **A01**

NERVE GROWTH FACTOR

Neurobiological Effects of Colchicine: Modulation by Nerve Growth Factor.
PB92-158633/REB 92-01 PC **A03**/MF **A01**

NERVE GROWTH FACTORS

Effects of NGF and Fetal Cell Transplants on Spatial Learning after Intradentate Administration of Colchicine.
PB92-150770/REB 92-01 PC **A03**/MF **A01**

NERVOUS SYSTEM

Evaluating the Human Health Effects of Hazardous Wastes: Reproduction and Development, Neurotoxicity, Genetic Toxicity and Cancer.
PB92-110352/REB 92-01 PC **A03**/MF **A01**

Assessment of Neurotoxicity: Use of Glial Fibrillary Acidic Protein as a Biomarker.
PB92-110527/REB 92-01 PC **A03**/MF **A01**

Enhanced Neurotoxicity of 3,3'-Iminodipropionitrile Following Pretreatment with Carbon Tetrachloride in the Rat.
PB92-113323/REB 92-01 PC **A03**/MF **A01**

Interlaboratory Comparison of Motor Activity Experiments: Implications for Neurotoxicological Assessments.
PB92-143916/REB 92-01 PC **A03**/MF **A01**

Gene Probe for PO Messenger RNA Used to Index Acrylamide Toxic Neuropathy in Rats.
PB92-143957/REB 92-01 PC **A03**/MF **A01**

Neurobiological Effects of Colchicine: Modulation by Nerve Growth Factor.
PB92-158633/REB 92-01 PC **A03**/MF **A01**

Sensory Evoked Potentials: Measures of Neurotoxicity.
PB92-164805/REB 92-01 PC **A04**/MF **A01**

Reflex Modification and the Assessment of Sensory Dysfunction.
PB92-166339/REB 92-01 PC **A03**/MF **A01**

Applications of a Neurobehavioral Screening Battery.
PB92-179787/REB 92-01 PC **A03**/MF **A01**

Comparison of Subchronic Neurotoxicity of 2-Hydroxyethyl Acrylate and Acrylamide in Rats.
PB92-188945/REB 92-01 PC **A03**/MF **A01**

Comparison of Screening Approaches, 1992.
PB92-189042/REB 92-01 PC **A03**/MF **A01**

Study Design Considerations in Developmental Neurotoxicology.
PB92-206291/REB 92-04 PC **A02**/MF **A01**

In vitro Screening Batteries for Neurotoxicants (Journal Article).
PB92-206408/REB 92-04 PC **A03**/MF **A01**

Developmental Neurotoxicology of Polychlorinated Biphenyls and Related Compounds.
PB92-206549/REB 92-04 PC **A03**/MF **A01**

Principles of Identifying and Characterizing Neurotoxicity.
PB92-209303/REB 92-04 PC **A02**/MF **A01**

Mapping Toxicant-Induced Nervous System Damage with a Cupric Silver Stain: A Quantitative Analysis of Neural Degeneration Induced by 3,4-Methylenedioxymethamphetamine (MDMA) (Revised).
PB92-217389/REB 92-04 PC **A03**/MF **A01**

Role of Motor Activity in the Asssessment of Neurotoxicity.
PB92-232818/REB 92-04 PC **A03**/MF **A01**

Utility of Activity and Observational Data for Neurotoxicity Screening.
PB92-232826/REB 92-04 PC **A03**/MF **A01**

NES (NEUROBEHAVIORAL EVALUATION SYSTEM)
Neurobehavioral Evaluation System (NES) and School Performance.
PB92-124585/REB 92-01 PC **A03**/MF **A01**

NEUROBEHAVIORAL EVALUATION SYSTEM
Reliability of Selected Tests from the Neurobehavioral Evaluation System.
PB92-195858/REB 92-01 PC **A02**/MF **A01**

NEUROBEHAVIORAL TEST BATTERY
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PB92-179787/REB 92-01 PC **A03**/MF **A01**

NEUROCHEMISTRY
Long-Term Neurochemical and Behavioral Effects Induced by Acute Chlorpyrifos Treatment.
PB92-206366/REB 92-04 PC **A02**/MF **A01**

NEUROENDOCRINOLOGY
Neuroendocrine Responses to Social Regulation of Puberty in the Female House Mouse.
PB92-179779/REB 92-01 PC **A03**/MF **A01**

NEUROLOGY
Environmental Gases.
PB92-227313/REB 92-04 PC **A06**/MF **A02**

NEUROPSYCHOLOGICAL TESTS
Reliability of Selected Tests from the Neurobehavioral Evaluation System.
PB92-195858/REB 92-01 PC **A02**/MF **A01**

NEUTROPHILS
Reduction of Neutrophil Influx Diminishes Lung Injury and Mortality Following Phosgene Inhalation.
PB92-227420/REB 92-04 PC **A03**/MF **A01**

NEVADA
National Priorities List Sites: Arizona and Nevada.
PB92-963216/REB 92-01 PC **A04**/MF **A01**

NEVADA TEST SITE
Offsite environmental monitoring report: Radiation monitoring around United States nuclear test areas. Calendar year 1990.
DE92010386/REB 92-04 PC **A09**/MF **A02**

NEW CASTLE COUNTY (DELAWARE)
Superfund Record of Decision (EPA Region 3): Halby Chemical, Wilmington, New Castle County, DE. (First Remedial Action), June 1991.
PB92-963914/REB 92-01 PC **A06**/MF **A02**

NEW ENGLAND
Catalogue and Directory of New England States and Regional GIS Organizations and Activities, and an Assessment of Their Future GIS Needs.
PB92-178227/REB 92-01 PC **A13**/MF **A03**

NEW HAMPSHIRE
National Priorities List Sites: New Hampshire.
PB92-963205/REB 92-01 PC **A04**/MF **A01**

NEW JERSEY
Staten Island/New Jersey Urban Air Toxics Assessment Project. Quarterly and Summary Data (for Microcomputers). October 1987-March 1991.
PB92-504174/REB 92-04 CP **D02**

National Priorities List Sites: New Jersey.
PB92-963241/REB 92-01 PC **A13**/MF **A03**

NEW MEXICO
National Priorities List Sites: New Mexico.
PB92-963232/REB 92-01 PC **A04**/MF **A01**

NEW SOURCE PERFORMANCE STANDARDS
Development Document for Effluent Limitations Guidelines and Standards and Pretreatment Standards for the Steam Electric: Point Source Category.
PB92-226422/REB 92-04 PC **A99**/MF **A06**

Development Document for Interim Final and Proposed Effluent Limitations Guidelines and Proposed New Source Performance Standards for the Bleached Kraft, Groundwood, Sulfite, Soda, Deink, and Non-Integrated Paper Mills. Point Source Category. Volume 2. Sections 8 - 15.
PB92-231562/REB 92-04 PC **A13**/MF **A03**

Guidance Manual for Pulp, Paper, and Paperboard and Builders' Paper and Board Mills Pretreatment Standards.
PB92-231638/REB 92-04 PC **A04**/MF **A01**

Development Document for Interim Final and Proposed Effluent Limitations Guidelines and Proposed New Source Performance Standards for the Bleached Kraft, Groundwood, Sulfite, Soda, Deink and Non-Integrated Paper Mills. Volume 1. Segment of the Pulp, Paper, and Paperboard. Point Source Category. Group 1. Phase 2.
PB92-231869/REB 92-04 PC **A20**/MF **A04**

Development Document for Interim Final Effluent Limitations Guidelines and Proposed New Source Performance Standards for the Calcium Carbide Segment of the Ferroally Manufacturing. Point Source Category. Group 1, Phase 2.
PB92-231919/REB 92-04 PC **A05**/MF **A01**

Guidance Document for Effluent Discharges from the Auto and Other Laundries. Point Source Category.
PB92-231927/REB 92-04 PC **A09**/MF **A03**

Guidance Development Document for Effluent Limitations Guidelines and New Source Performance Standards for the Concrete Products. Point Source Category.
PB92-231943/REB 92-04 PC **A08**/MF **A02**

Development Document for Interim Final Effluent Limitations Guidelines and Proposed New Source Performance Standards for the Explosives Manufacturing. Point Source Category. Group 2.
PB92-231950/REB 92-04 PC **A11**/MF **A03**

Development Document for Interim Final Effluent Limitations Guidelines and Proposed New Source Performance Standards for the Raw Cane Sugar Processing. Segment of the Sugar Processing. Point Source Category. Group 1, Phase 2.
PB92-231968/REB 92-04 PC **A14**/MF **A03**

Development Document for Proposed Effluent Limitations Guidelines and Standards for Control of Polychlorinated Biphenyls in the Deink Subcategory of the Pulp, Paper and Paperboard. Point Source Category.
PB92-231984/REB 92-04 PC **A05**/MF **A01**

Developmental Document for Effluent Limitations Guidelines and New Source Performance Standards for the Other Non-Fertilizer Phosphate Chemicals Segment of the Phosphate Manufacturing. Point Source Category. Group 1, Phase 2.
PB92-231992/REB 92-04 PC **A06**/MF **A02**

Development Document for Proposed Effluent Limitations Guidelines and Standards for the Shipbuilding and Repair. Point Source Category.
PB92-232032/REB 92-04 PC **A07**/MF **A02**

Development Document for Effluent Limitations Guidelines and Standards for the Gum and Wood Chemicals Manufacturing. Point Source Category.
PB92-232040/REB 92-04 PC **A12**/MF **A03**

Guide for the Application of Effluent Limitations Guidelines for the Petroleum Refining Industry.
PB92-232057/REB 92-04 PC **A11**/MF **A03**

Development Document for Interim Final and Proposed Effluent Limitations Guidelines and New Source Performance Standards for the Fruits, Vegetables and Specialties. Segment of the Canned and Preserved Fruits and Vegetables. Point Source Category.
PB92-232065/REB 92-04 PC **A23**/MF **A04**

NEW YORK
National Priorities List Sites: New York.
PB92-963208/REB 92-01 PC **A10**/MF **A03**

NEWSPRINT
Reclaiming Fiber from Newsprint Dry Methods.
PB92-153949/REB 92-01 PC **A03**/MF **A01**

NEXT GENERATION WEATHER RADAR
NEXRAD Precipitation Information Application Forum Climate and Global Change.
PB92-180082/REB 92-01 PC **A03**/MF **A01**

NIAGARA FALLS (NEW YORK)
Superfund Record of Decision (EPA Region 2): Love Canal (93rd Street School), Niagara County, City of Niagara Falls, NY. (Third Remedial Action), (Amendment), May 1991.
PB92-963805/REB 92-01 PC **A03**/MF **A01**

NICKEL
Environmental Profiles and Hazard Indices for Constituents of Municipal Sludge: Nickel.
PB92-123009/REB 92-01 PC **A05**/MF **A01**

Drinking Water Quantification of Toxicologic Effects for Nickel.
PB92-173426/REB 92-01 PC **A05**/MF **A01**

NICOTINE
Intercomparison of Sampling Techniques for Nicotine in Indoor Environments.
PB92-110402/REB 92-01 PC **A02**/MF **A01**

NITRATES
Effect of Nitrate Addition on Biorestoration of Fuel-Contaminated Aquifer: Field Demonstration.
PB92-110444/REB 92-01 PC **A03**/MF **A01**

Nitrate Occurence in U.S. Waters (and Related Questions). A Reference Summary of Published Sources from an Agricultural Perspective.
PB92-155696/REB 92-01 PC **A03**/MF **A01**

Toxicity of Ammonia, Nitrite, and Nitrate to Fishes.
PB92-179142/REB 92-01 PC **A03**/MF **A01**

NITRITES
Toxicity of Ammonia, Nitrite, and Nitrate to Fishes.
PB92-179142/REB 92-01 PC **A03**/MF **A01**

NITROBENZENES
Reduction of Nitrobenzene by Four Sulfide Minerals: Kinetics, Products, and Solubility.
PB92-153816/REB 92-01 PC **A02**/MF **A01**

NITROGEN
Uncertainties in Nitrogen Mass Loadings in Coastal Watersheds.
PB92-108075/REB 92-01 PC **A03**/MF **A01**

Watershed Nitrogen Management: Upper Potomac River Basin Case Study.
PB92-108083/REB 92-01 PC **A03**/MF **A01**

Oxidation and Devolatilization of Nitrogen in Coal Char.
PB92-121441/REB 92-01 PC **A02**/MF **A01**

Tropospheric Nitrogen: The Influence of Anthropogenic Sources on Distribution and Deposition.
PB92-126937/REB 92-01 PC **A06**/MF **A02**

NITROGEN DIOXIDE
Evaluation of Immunotoxicity of an Urban Profile of Nitrogen Dioxide: Acute, Subchronic, and Chronic Studies.
PB92-113356/REB 92-01 PC **A03**/MF **A01**

NITROGEN OXIDE (N2O)
Recommended Operating Procedure Number 56: Collection of Gaseous Grab Samples from Combustion Sources for Nitrous Oxide Measurement.
PB92-216928/REB 92-04 PC **A03**/MF **A01**

NITROGEN OXIDES
Evaluation of NOx Emission Control Catalysts for Power Plant SCR Installations.
PB92-121276/REB 92-01 PC **A03**/MF **A01**

Stationary Combustion NOx Control: A Summary of the 1991 Symposium. Held in Washington, DC., March 25-28, 1991.
PB92-121375/REB 92-01 PC **A02**/MF **A01**

NO/Char Reactions at Pulverized Coal Flame Conditions.
PB92-121417/REB 92-01 PC **A03**/MF **A01**

Non-Equilibrium Effects in the Vaporization of Multicomponent Fuel Droplets.
PB92-121425/REB 92-01 PC **A02**/MF **A01**

Nitric Oxide Formation during Pulverized Coal Combustion.
PB92-121433/REB 92-01 PC **A03**/MF **A01**

Alternative Control Techniques Document: Nitric and Adipic Acid Manufacturing Plants.
PB92-132828/REB 92-01 PC **A07**/MF **A02**

Summary of NOx Control Technologies and Their Availability and Extent of Application.
PB92-158260/REB 92-01 PC **A06**/MF **A02**

Evaluation of NOx Emissions from TVA Coal-Fired Power Plants.
PB92-164813/REB 92-01 PC **A03**/MF **A01**

Air Quality Criteria for Oxides of Nitrogen. Volume 1.
PB92-176361/REB 92-01 PC **A20**/MF **A04**

Air Quality Criteria for Oxides of Nitrogen. Volume 2.
PB92-176379/REB 92-01 PC **A99**/MF **A06**

Air Quality Criteria for Oxides of Nitrogen. Volume 3.
PB92-176387/REB 92-01 PC **A23**/MF **A04**

NITROPHENOL
Drinking Water Health Advisory for p-Nitrophenol.
PB92-135490/REB 92-01 PC **A03**/MF **A01**

NITROPHENOLS
Dinocap Position Document 4.
PB92-114370/REB 92-01 PC **A03**/MF **A01**

NONIDEAL SOLVENT MIXTURES
Prediction of the Solubility of Hydrophobic Compounds in Nonideal Solvent Mixtures.
PB92-143999/REB 92-01 PC **A03**/MF **A01**

NONPOINT SOURCES
Modeling of Nonpoint Source Water Quality in Urban and Non-urban Areas.
PB92-109115/REB 92-01 PC **A05**/MF **A01**

Workshop Proceedings: The Role of Created and Natural Wetlands in Controlling Nonpoint Source Pollution. Held in Arlington, Virginia on June 10-11, 1991.
PB92-113463/REB 92-01 PC **A13**/MF **A03**

Seminar Publication: Nonpoint Source Watershed Workshop. Held in New Orleans, Louisiana, January 29-31, 1991.
PB92-137504/REB 92-01 PC **A10**/MF **A03**

Committed Obligated Expected Expenditures Plan (COEEP).
PB92-186469/REB 92-01 PC **A03**/MF **A01**

U.S. EPA Nonpoint Source Information Exchange Computer Bulletin Board System (BBS). User's Manual.
PB92-228048/REB 92-04 PC **A04**/MF **A01**

NONROAD ENGINES
Nonroad Engine and Vehicle Emission Study-Report and Appendixes.
PB92-104462/REB 92-01 PC **A20**/MF **A04**

Nonroad Engine and Vehicle Emission Study-Report.
PB92-126960/REB 92-01 PC **A24**/MF **A04**

NONROAD VEHICLES
Nonroad Engine and Vehicle Emission Study-Report and Appendixes.
PB92-104462/REB 92-01 PC **A20**/MF **A04**

Nonroad Engine and Vehicle Emission Study-Report.
PB92-126960/REB 92-01 PC **A24**/MF **A04**

NONTARGET SPECIES
Fate of 'Bacillus sphaericus' 2362 Spores Following Ingestion by Nontarget Invertebrates.
PB92-129774/REB 92-01 PC **A03**/MF **A01**

Protocol for Testing the Effects of Fungal Pesticides on Nontarget Beetles Using 'Hippodamia convergens' (Coleoptera: Coccinellidae).
PB92-217488/REB 92-04 PC **A03**/MF **A01**

NORTH AMERICA
Performances of Lagrangian and Eulerian Transport and Diffusion Models across Continental Scales.
PB92-158500/REB 92-01 PC **A02**/MF **A01**

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PB92-963905/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 3): Industrial Drive Operable Unit 2, Williams Township, PA. (Second Remedial Action), March 1991.
PB92-963918/REB 92-01 PC **A05**/MF **A01**

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Regional Ozone Modeling for Northeast Transport (ROMNET). Appendices.
PB92-108794/REB 92-01 PC **A15**/MF **A03**

Estimating Critical Loads of Sulfate to Surface Waters in the Northeastern United States: A Comparative Assessment of Three Procedures for Estimating Critical Loads of Sulfate for Lakes.
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Quality Assurance Project Plan for the National Survey of Pesticides in Drinking Water Wells: Well Sampling, Data Collection and Processing.
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Quality Assurance Project Plan for the National Pesticide Survey of Drinking Water Wells: Survey Statistics, Data Collection and Processing.
PB92-168640/REB 92-04 PC **A04**/MF **A01**

NUCLEAR FACILITIES
Implementing Protective Actions for Radiological Incidents at Other Than Nuclear Power Reactors. Proceedings of a Workshop. Held in Montgomery, Alabama on September 25-26, 1991.
PB92-192764/REB 92-01 PC **A05**/MF **A01**

NUCLEAR POWER PLANTS
Waste Reduction Activities and Options for a Nuclear Powered Electrical Generating Station.
PB92-235654/REB 92-04 PC **A02**/MF **A01**

NUCLEAR POWERED SHIPS
Radiological Survey of the Norfolk Naval Station, the Norfolk Naval Shipyard, and Newport News Shipbuilding.
PB92-164730/REB 92-01 PC **A03**/MF **A01**

NUMBERS
OSWER Superfund Telephone Directory, May 1992.
PB92-963264/REB 92-01 PC **E02**

NUMERICAL WEATHER FORECASTING
Use of Four-Dimensional Data Assimilation in a Limited-Area Mesoscale Model Part 2: Effects of Data Assimilation within the Planetary Boundary Layer.
PB92-166750/REB 92-01 PC **A03**/MF **A01**

NUTRIENTS
Heterotrophic Bacteria of the Freshwater Neuston and Their Ability to Act as Plasmid Recipients under Nutrient Deprived Conditions.
PB92-129766/REB 92-01 PC **A03**/MF **A01**

NUTRITION
Nutritional Role of Endosymbiotic Bacteria in Animal-Bacteria Symbioses: 'Solemya velum', a Case Study.
PB92-112895/REB 92-01 PC **A17**/MF **A04**

NUTRITIVE VALUE
Nutritional Value of 'Artemia' and 'Tigriopus californicus' (Baker) for Two Pacific Mysid Species, 'Metamysidopsis elongata' (Holmes) and 'Mysidopsis intii' (Holmquist).
PB92-108000/REB 92-01 PC **A03**/MF **A01**

NUTS (FRUITS)
Protection of Nut Crops, 1979-April 1991. Citations from AGRICOLA Concerning Diseases and Other Environmental Considerations.
PB92-140219/REB 92-01 PC **A12**/MF **A03**

OCCUPATIONAL SAFETY AND HEALTH
Degreaser System Pollution Prevention Evaluation.
AD-A242 110/5/REB 92-01 PC **A06**/MF **A02**

Degreasing System Pollution Prevention Evaluation.
PB92-139443/REB 92-01 PC **A03**/MF **A01**

Personnel Protection through Reconnaissance Robotics at Superfund Remedial Sites.
PB92-166743/REB 92-01 PC **A02**/MF **A01**

Research Strategy for Electric and Magnetic Fields: Research Needs and Priorities.
PB92-170174/REB 92-01 PC **A04**/MF **A01**

Research and Development for Total-Flood Halon 1301 Replacements for Oil and Gas Production Facilities.
PB92-206515/REB 92-04 PC **A02**/MF **A01**

Use of Visual and Chemosensory Evoked Potentials in Environmental and Occupational Health.
PB92-217041/REB 92-04 PC **A03**/MF **A01**

Pesticide Safety for Farmworkers (Uso Seguro de Pesticidas para los Trabajadores del Campo).
PB92-224344/REB 92-04 PC **A03**

Pesticide Applicator Training Materials: A Bibliography.
PB92-780873/REB 92-01 PC**$97.50**/MF**$42.50**

OCCUPATIONAL SAFETY AND PROTECTION
Limited-Use Chemical Protective Clothing for EPA Superfund Activities.
PB92-143494/REB 92-01 PC **A03**/MF **A01**

OCEAN COUNTY (NEW JERSEY)
Superfund Record of Decision (EPA Region 2): Naval Air Engineering Center, (Operable Unit 2), Lakehurst, NJ. (Second Remedial Action), February 1991.
PB92-963810/REB 92-01 PC **A04**/MF **A01**

OCEAN CURRENTS
Effects of El Nino and La Nina on Seabird Assemblages in the Equatorial Pacific.
PB92-217405/REB 92-04 PC **A03**/MF **A01**

OCEAN ENVIRONMENTS
Compilation of Water Quality Standards for Marine Waters.
PB92-231836/REB 92-04 PC **A99**

OCEAN WASTE DISPOSAL
Marine Debris Survey Manual.
PB92-103456/REB 92-01 PC **A08**/MF **A02**

Chetco Ocean Dredged Material Disposal Site (ODMDS) Designation: Final Environmental Impact Statement.
PB92-104470/REB 92-01 PC **A08**/MF **A02**

Report to Congress on Ocean Dumping, 1987-1990.
PB92-188663/REB 92-01 PC **A04**/MF **A01**

OCTANOL/WATER PARTITION COEFFICIENTS
Prediction of Octanol/Water Partition Coefficient (K sub ow) with Algorithmically Derived Variables.
PB92-217348/REB 92-04 PC **A02**/MF **A01**

OCTANOLS
Prediction of Octanol/Water Partition Coefficient (K sub ow) with Algorithmically Derived Variables.
PB92-217348/REB 92-04 PC **A02**/MF **A01**

ODOR CONTROL
Controlling Odorous Emissions from Iron Foundries.
PB92-166925/REB 92-01 PC **A03**/MF **A01**

ODOR DETECTION
Reference Guide to Odor Thresholds for Hazardous Air Pollutants Listed in the Clean Air Act Amendments of 1990.
PB92-239516/REB 92-04 PC **A05**/MF **A01**

OFFICE BUILDINGS
OSWER Superfund Telephone Directory, May 1992.
PB92-963264/REB 92-01 PC **E02**

OFFICE OF AIR QUALITY PLANNING AND STANDARDS
Directory of OAQPS Information Services, May 1992.
PB92-198654/REB 92-01 PC **A03**/MF **A01**

OFFICE OF SOLID WASTE AND EMERGENCY RESPONSE
OSWER Source Book: Training and Technology Transfer Resources.
PB92-102169/REB 92-01 PC **A13**/MF **A03**

Conducting RCRA Inspections at Mixed Waste Facilities.
PB92-105196/REB 92-01 PC **A04**/MF **A01**

Community Relations during Enforcement Activities and Development of the Administrative Record.
PB92-105469/REB 92-01 PC **A03**/MF **A01**

Section 3008(h) Module Order on Consent.
PB92-105477/REB 92-01 PC **A03**/MF **A01**

Guide for Conducting Treatability Studies under CERCLA: Aerobic Biodegradation Remedy Screening.
PB92-109073/REB 92-01 PC **A02**/MF **A01**

State Programs Advisory Number Nine.
PB92-149285/REB 92-01 PC **A99**/MF **E16**

Guide for Conducting Treatability Studies under CERCLA: Chemical Dehalogenation.
PB92-169044/REB 92-04 PC **A05**/MF **A01**

Chemical Dehalogenation Treatability Studies under CERCLA: An Overview.
PB92-169275/REB 92-04 PC **A02**/MF **A01**

Guide for Conducting Treatability Studies under CERCLA: Soil Washing: Quick Reference Fact Sheet.
PB92-170588/REB 92-01 PC **A02**/MF **A01**

Guide for Conducting Treatability Studies under CERCLA: Aerobic Biodegradation Remedy Screening. Quick Reference Fact Sheet.
PB92-224377/REB 92-04 PC **A02**/MF **A01**

Guide for Conducting Treatability Studies under CERCLA: Soil Vapor Extraction. Quick Reference Fact Sheet.
PB92-224401/REB 92-04 PC **A02**/MF **A01**

Citizen's Guide to In situ Soil Flushing.
PB92-233113/REB 92-04 PC **A02**/MF **A01**

Citizen's Guide to Innovative Treatment Technologies for Contaminated Soils, Sludges, Sediments and Debris.
PB92-235563/REB 92-04 PC **A02**/MF **A01**

Citizen's Guide to Bioventing.
PB92-235571/REB 92-04 PC **A01**/MF **A01**

Citizen's Guide to Using Indigenous and Exogenous Microorganisms in Bioremediation.
PB92-235589/REB 92-04 PC **A01**/MF **A01**

Citizen's Guide to Air Sparging.
PB92-235597/REB 92-04 PC **A01**/MF **A01**

Guide for Conducting Treatability Studies under CERCLA Solvent Extraction. Interim Guidance.
PB92-239581/REB 92-04 PC **A03**/MF **A01**

Guide for Conducting Treatability Studies under CERCLA: Solvent Extraction Quick Reference Fact Sheet.
PB92-239599/REB 92-04 PC **A02**/MF **A01**

OSWER Superfund Telephone Directory, October 1991.
PB92-963202/REB 92-01 PC **A03**/MF **A01**

Regional Pilot Projects and Initiatives.
PB92-963259/REB 92-01 PC **A01**/MF **A01**

Congressional Limits for FY 92 Alternative Remedial Contracting Strategy (ARCS) Program Management Costs.
PB92-963260/REB 92-01 PC **A01**/MF **A01**

Smart Moves in Superfund - Regional Initiatives. Volume 1, Number 1, February 1992.
PB92-963272/REB 92-04 PC **A01**/MF **A01**

Regional Pilots and Applications of Superfund Accelerated Cleanup Model (SACM).
PB92-963273/REB 92-04 PC **A01**/MF **A01**

Identification of a Senior Superfund Official for Addressing Special NPL Site-Related Issues.
PB92-963277/REB 92-04 PC **A01**/MF **A01**

Guide to Management of Investigation-Derived Wastes.
PB92-963353/REB 92-01 PC **A02**/MF **A01**

Guidance for Data Useability in Risk Assessment.
PB92-963363/REB 92-04 PC **A02**/MF **A01**

Remedial Action Report: Documentation for Operable Unit Completion.
PB92-963364/REB 92-04 PC **A01**/MF **A01**

FY 1992 Themes for Regional Coordination to Support Continuous Improvements of Superfund's Remedial Program.
PB92-963368/REB 92-04 PC **A02**/MF **A01**

Understanding Superfund Risk Assessment.
PB92-963372/REB 92-04 PC **A02**/MF **A01**

Supplemental Guidance to RAGS: Calculating the Concentration Term. Volume 1, Number 1, May 1992.
PB92-963373/REB 92-04 PC **A02**/MF **A01**

Compendium of ERT Field Analytical Procedures.
PB92-963405/REB 92-04 PC **A05**/MF **A01**

Compendium of ERT Air Sampling Procedures.
PB92-963406/REB 92-04 PC **A07**/MF **A02**

Overview of ERNS: Emergency Response Notification System (ERNS) Fact Sheet.
PB92-963412/REB 92-04 PC **A01**/MF **A01**

Oil Notifications: Emergency Response Notification System (ERNS) Fact Sheet.
PB92-963413/REB 92-04 PC **A01**/MF **A01**

Guide to Removal Enforcement.
PB92-963419/REB 92-04 PC **A01**/MF **A01**

Notification Requirements for Continuous Releases of Hazardous Substances.
PB92-963422/REB 92-04 PC **A02**/MF **A01**

Overview of the Off-Site Policy for OSCs and RPMs.
PB92-963603/REB 92-01 PC **A01**/MF **A01**

Guidance on Preparing Waste-in Lists and Volumetric Rankings for Release to Potentially Responsible Parties (PRPs) under CERCLA.
PB92-963606/REB 92-01 PC **A03**/MF **A01**

OFFICE OF SOLID WASTES AND EMERGENCY RESPONSE

CERCLA Notifications: Emergency Response Notification System (ERNS) Fact Sheet.
PB92-963411/REB 92-04 PC **A01**/MF **A01**

OFFICE OF WETLANDS OCEANS AND WATERSHEDS

Office of Wetlands, Oceans and Watersheds Publications.
PB92-224310/REB 92-04 PC **A03**/MF **A01**

OFFSHORE DRILLING

Alaska North Slope Oil-Field Restoration Research Strategy.
PB92-151653/REB 92-01 PC **A04**/MF **A01**

OHIO

National Priorities List Sites: Ohio.
PB92-963246/REB 92-01 PC **A06**/MF **A02**

OIL FIELDS

Oil and Gas Field Emissions Survey.
PB92-184977/REB 92-01 PC **A14**/MF **A03**

OIL POLLUTION

Update on Implementation of the Oil Pollution Act of 1990. Volume 1, Number 4, September 1991.
PB91-921374/REB 92-01 PC **A02**/MF **A01**

Oil Spill Clean Up.
PB92-110469/REB 92-01 PC **A01**/MF **A01**

Laboratory and Field Studies on BTEX Biodegradation in a Fuel-Contaminated Aquifer under Denitrifying Conditions.
PB92-121227/REB 92-01 PC **A03**/MF **A01**

Bioventing to Treat Fuel Spills from Underground Storage Tanks.
PB92-121342/REB 92-01 PC **A02**/MF **A01**

Biotransformation of Monoaromatic and Chlorinated Hydrocarbons at an Aviation Gasoline Spill Site.
PB92-144005/REB 92-01 PC **A03**/MF **A01**

Technology Evaluation Report: The Carver-Greenfield Process, Dehydro-Tech Corporation.
PB92-217462/REB 92-04 PC **A11**/MF **A03**

Chemical Oil Spill Dispersants: Update State-of-the-Art on Mechanisms of Action and Factors Influencing Performance with Emphasis on Laboratory Studies.
PB92-222207/REB 92-04 PC **A05**/MF **A01**

Environmental Crisis in the Gulf. The U.S. Response.
PB92-226182/REB 92-04 PC **A03**/MF **A01**

National Oil and Hazardous Substances Pollution Contingency Plan (The NCP).
PB92-963261/REB 92-01 PC **A15**/MF **A03**

OPA Q's and A's: Overview of the Oil Pollution Act of 1990.
PB92-963348/REB 92-01 PC **A02**/MF **A01**

Superfund: Removals and Emergency Response.
PB92-963400/REB 92-01 Standing Order

OPA Update: Implementation of the Oil Pollution Act of 1990. Volume 2, Number 1.
PB92-963420/REB 92-04 PC **A02**/MF **A01**

OIL POLLUTION ACT OF 1990

Update on Implementation of the Oil Pollution Act of 1990. Volume 1, Number 4, September 1991.
PB91-921374/REB 92-01 PC **A02**/MF **A01**

OIL POLLUTION REMOVAL

Effect of Nitrate Addition on Biorestoration of Fuel-Contaminated Aquifer: Field Demonstration.
PB92-110444/REB 92-01 PC **A03**/MF **A01**

Chemical Oil Spill Dispersants: Evaluation of Three Laboratory Procedures for Estimating Performance.
PB92-222041/REB 92-04 PC **A09**/MF **A03**

OIL SLICKS

Chemical Oil Spill Dispersants: Evaluation of Three Laboratory Procedures for Estimating Performance.
PB92-222041/REB 92-04 PC **A09**/MF **A03**

OIL SPILLS

Effect of Bioremediation on the Mutagenicity of Oil Spilled in Prince William Sound, Alaska.
PB92-206374/REB 92-04 PC **A02**/MF **A01**

Air Emissions from the Treatment of Soils Contaminated with Petroleum Fuels and Other Substances.
PB92-212976/REB 92-04 PC **A12**/MF **A03**

Understanding the Fate of Petroleum Hydrocarbons in the Subsurface Environment.
PB92-217157/REB 92-04 PC **A02**/MF **A01**

Chemical Oil Spill Dispersants: Update State-of-the-Art on Mechanisms of Action and Factors Influencing Performance with Emphasis on Laboratory Studies.
PB92-222207/REB 92-04 PC **A05**/MF **A01**

Superfund: Removals and Emergency Response.
PB92-963400/REB 92-01 Standing Order

Overview of ERNS: Emergency Response Notification System (ERNS) Fact Sheet.
PB92-963412/REB 92-04 PC **A01**/MF **A01**

Oil Notifications: Emergency Response Notification System (ERNS) Fact Sheet.
PB92-963413/REB 92-04 PC **A01**/MF **A01**

OIL WELLS

Chemical and Physical Properties of Emissions from Kuwait Oil Fires.
PB92-206481/REB 92-04 PC **A03**/MF **A01**

OKLAHOMA

National Priorities List Sites: Oklahoma.
PB92-963221/REB 92-01 PC **A04**/MF **A01**

ON-LINE SYSTEMS

U.S. EPA Nonpoint Source Information Exchange Computer Bulletin Board System (BBS). User's Manual.
PB92-228048/REB 92-04 PC **A04**/MF **A01**

ONCOGENE PROTEIN P21 (RAS)

Immunohistochemical Detection of P21 'ras' and P110 'myc' Oncogene Expression in Regenerating Rat Liver.
PB92-188895/REB 92-01 PC **A03**/MF **A01**

ONCOGENE PROTEINS

Immunohistochemical Detection of P21 'ras' and P110 'myc' Oncogene Expression in Regenerating Rat Liver.
PB92-188895/REB 92-01 PC **A03**/MF **A01**

OPACITY

Technical Assistance Document: Performance Audit Procedures for Opacity Monitors.
PB92-192889/REB 92-01 PC **A12**/MF **A03**

OPERATORS (PERSONNEL)

Study of State Operator Certification Programs.
PB92-137199/REB 92-01 PC **A05**/MF **A01**

OPTICAL MEASURING INSTRUMENTS

Technical Assistance Document: Performance Audit Procedures for Opacity Monitors.
PB92-192889/REB 92-01 PC **A12**/MF **A03**

OPTICAL RADAR

Variable Phase Function Approach for the Inversion of Lidar Return Signals.
N92-31073/9/REB 92-04
(Order as N92-31013/5/REB, PC **A16**/MF **A03**)

OREGON

Oregon, USA, Ecological Regions and Subregions for Water Quality Management.
PB92-180348/REB 92-01 PC **A03**/MF **A01**

National Priorities List Sites: Oregon.
PB92-963245/REB 92-01 PC **A04**/MF **A01**

ORGAN CULTURE

Embryonic Palatal Responses to Teratogens in Serum-Free Organ Culture.
PB92-188960/REB 92-01 PC **A03**/MF **A01**

ORGANIC COMPOUNDS

Quantitative Assessment of the Effects of Metals on Microbial Degradation of Organic Chemicals.
PB92-101385/REB 92-01 PC **A02**/MF **A01**

Predicting Chemical Concentration Effects on Transformation Rates of Dissolved Organics by Complex Microbial Assemblages.
PB92-101393/REB 92-01 PC **A03**/MF **A01**

Combustion Control of Trace Organic Air Pollutants from Municipal Waste Combustors.
PB92-113158/REB 92-01 PC **A03**/MF **A01**

Assessing UST Corrective Action Technology: A Scientific Evaluation of the Mobility of Organic Contaminants in Subsurface Environments.
PB92-114552/REB 92-01 PC **A16**/MF **A03**

Estimation of Water Solubility and Octanol/Water Partition Coefficient of Hydrophobic Dyes. Part 1. Relationship between Solubility and Partition Coefficient.
PB92-124320/REB 92-01 PC **A03**/MF **A01**

Technical Basis for Establishing Sediment Quality Criteria for Nonionic Organic Chemicals Using Equilibrium Partitioning. Annual Review.
PB92-129642/REB 92-01 PC **A03**/MF **A01**

Comparison of Organic Emissions from Laboratory and Full-Scale Thermal Degradation of Sewage Sludge.
PB92-136852/REB 92-01 PC **A03**/MF **A01**

Adsorption of Surfactants (Chapter 7).
PB92-143809/REB 92-01 PC **A03**/MF **A01**

Modellierung und Simulation des Verhaltens von Umweltchemikalien in Boeden und Pflanzen (Modeling and Simulation of the Effect of (Environmental) Chemicals in Soil and in Plants).
PB92-143825/REB 92-01 PC **A02**/MF **A01**

Effects of pH, Solid/Solution Ratio, Ionic Strength, and Organic Acids on Pb and Cd Sorption on Kaolinite.
PB92-143981/REB 92-01 PC **A02**/MF **A01**

Organic Contract Compliance Screening System. Software for the PC (OLM01.8 Version 1). User Manual.
PB92-145564/REB 92-01 PC **A06**/MF **A02**

Organic Contract Compliance Screening System. Software for the PC (SOW March 1990, Version 1). User Manual.
PB92-145572/REB 92-01 PC **A08**/MF **A02**

Organic Contract Compliance Screening System. Software for the PC (Version June 1990). User Manual.
PB92-145580/REB 92-01 PC **A08**/MF **A02**

Bioavailability to Plants of Sludge-Borne Toxic Organics.
PB92-153931/REB 92-01 PC **A03**/MF **A01**

Indoor Air Quality Data Base for Organic Compounds.
PB92-158468/REB 92-01 PC **A04**/MF **A01**

New Perspectives in Aquatic Redox Chemistry: Abiotic Transformations of Pollutants in Groundwater and Sediments.
PB92-166628/REB 92-01 PC **A03**/MF **A01**

Tedlar Bag Sampling System for Toxic Organic Compounds in Source Emission Sampling and Analysis.
PB92-166719/REB 92-01 PC **A01**/MF **A01**

Organic Contract Compliance Screening System. Software for the PC (OLM01.8 Version 2) (User Manual).
PB92-169564/REB 92-04 PC **A06**/MF **A02**

Landfill Leachate Effects on Transport of Organic Substances in Aquifer Materials (Chapter 16).
PB92-198225/REB 92-04 PC **A03**/MF **A01**

Landfill Leachate Effects on Sorption of Organic Micropollutants onto Aquifer Materials.
PB92-198597/REB 92-04 PC **A03**/MF **A01**

Comparison: Organic Emissions from Hazardous Waste Incinerators versus the 1990 Toxics Release Inventory Air Releases.
PB92-206267/REB 92-04 PC **A03**/MF **A01**

Characterization of Condensible and Semivolatile Organic Materials from Boise Woodstove Samples.
PB92-206606/REB 92-04 PC **A03**/MF **A01**

Methods for the Determination of Organic Compounds in Drinking Water. Supplement 2.
PB92-207703/REB 92-04 PC **A12**/MF **A03**

Higher Plant Accumulation of Organic Pollutants from Soils.
PB92-209378/REB 92-04 PC **A07**/MF **A02**

Assessing Toxicity of Organic Chemicals to Anaerobic Treatment Processes.
PB92-217058/REB 92-04 PC **A03**/MF **A01**

Respirometric Methods for Determination of Biodegradability and Biodegradation Kinetics for Hazardous Organic Pollutant Compounds.
PB92-217108/REB 92-04 PC **A03**/MF **A01**

Prediction of Octanol/Water Partition Coefficient (K sub ow) with Algorithmically Derived Variables.
PB92-217348/REB 92-04 PC **A02**/MF **A01**

Infrared Spectroscopy-Based Property-Reactivity Correlations for Predicting Environmental Fate of Organic Chemicals.
PB92-232925/REB 92-04 PC **A03**/MF **A01**

Organic Contract Compliance Screening System (OCCSS) Software (SOW February 1988) (for Microcomputers).
PB92-501501/REB 92-01 CP **D02**

Organic Contract Compliance Screening System (OCCSS) Software (SOW March 1990) (Version 1) (for Microcomputers).
PB92-501527/REB 92-01 CP **D02**

Organic Contract Compliance Screening System (OCCSS) Software (SOW OLM01.8 Version January 1992) (Version 1) (for Microcomputers).
PB92-501535/REB 92-01 CP **D02**

Organic Contract Compliance Screening System (OCCSS) Software (OLM01.8 Version 2) (for Microcomputers).
PB92-502202/REB 92-04 CP **D02**

ORGANIC CONTRACT COMPLIANCE SCREENING SYSTEM

Organic Contract Compliance Screening System. Software for the PC (OLM01.8 Version 1). User Manual.
PB92-145564/REB 92-01 PC **A06**/MF **A02**

Organic Contract Compliance Screening System. Software for the PC (SOW March 1990, Version 1). User Manual.
PB92-145572/REB 92-01 PC **A08**/MF **A02**

Organic Contract Compliance Screening System. Software for the PC (Version June 1990). User Manual.
PB92-145580/REB 92-01 PC **A08**/MF **A02**

Organic Contract Compliance Screening System. Software for the PC (OLM01.8 Version 2) (User Manual).
PB92-169564/REB 92-04 PC **A06**/MF **A02**

Organic Contract Compliance Screening System (OCCSS) Software (SOW February 1988) (for Microcomputers).
PB92-501501/REB 92-01 CP **D02**

Organic Contract Compliance Screening System (OCCSS) Software (SOW March 1990) (Version 1) (for Microcomputers).
PB92-501527/REB 92-01 CP **D02**

Organic Contract Compliance Screening System (OCCSS) Software (SOW OLM01.8 Version January 1992) (Version 1) (for Microcomputers).
PB92-501535/REB 92-01 CP **D02**

Organic Contract Compliance Screening System (OCCSS) Software (OLM01.8 Version 2) (for Microcomputers).
PB92-502202/REB 92-04 CP **D02**

ORGANIC LOADING

EPA's Review and Approval Procedure for State Submitted TMDLs/WLAs.
PB92-231588/REB 92-04 PC **A03**/MF **A01**

ORGANIC MATTER

Equilibrium-Analysis of Projected Climate Change Effects on the Global Soil Organic Matter Pool.
PB92-153022/REB 92-01 PC **A03**/MF **A01**

ORGANIC PHOSPHATES

Multispectral Identification of Alkyl and Chloroalkyl Phosphates from an Industrial Effluent.
PB92-124353/REB 92-01 PC **A02**/MF **A01**

ORGANIC SOLVENTS

Research and Development Efforts to Develop Improved Inventory Methodologies for Area Source Solvent Emissions.
PB92-126846/REB 92-01 PC **A03**/MF **A01**

Prediction of the Solubility of Hydrophobic Compounds in Nonideal Solvent Mixtures.
PB92-143999/REB 92-01 PC **A03**/MF **A01**

Solvent Use Emissions Estimation Methodologies: Future Implications.
PB92-150440/REB 92-01 PC **A03**/MF **A01**

ORGANIC WASTES

Computerized Risk and Bioaccumulation System (Version 1.0).
PB92-114164/REB 92-01 PC **A03**/MF **A01**

GAC Adsorption of a Mixture of Natural Organic Matter and VOCs in the Presence and Absence of Molecular Oxygen.
PB92-153782/REB 92-01 PC **A03**/MF **A01**

ORGANIZATIONS

Catalogue and Directory of New England States and Regional GIS Organizations and Activities, and an Assessment of Their Future GIS Needs.
PB92-178227/REB 92-01 PC **A13**/MF **A03**

ORGANOCHLORINE COMPOUNDS

Induction of Prophage Lambda by Chlorinated Organics: Detection of Some Single-Species/Single-Site Carcinogens.
PB92-195841/REB 92-01 PC **A03**/MF **A01**

ORGANOCHLORINE INSECTICIDES

Proconvulsant Activity of Endosulfan in Amygdala Kindling.
PB92-189000/REB 92-01 PC **A02**/MF **A01**

Characterization of Chemical Kindling with the Pesticide Endosulfan.
PB92-189059/REB 92-01 PC **A02**/MF **A01**

ORGANOPHOSPHATE INSECTICIDES

Dose-Related Inhibition of Brain and Plasma Cholinesterase in Neonatal and Adult Rats Following Sublethal Organophosphate Exposures.
PB92-209360/REB 92-04 PC **A03**/MF **A01**

ORGANOTHIOPHOSPHATE INSECTICIDES

Comparison of In vivo Cholinesterase Inhibition in Neonatal and Adult Rats by Three Organophosphorothioate Insecticides.
PB92-110550/REB 92-01 PC **A03**/MF **A01**

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Carcinoma of the Exocrine Pancreas in Medaka.
PB92-129782/REB 92-01 PC **A02**/MF **A01**

Guidelines for Conducting Early Life Stage Toxicity Tests with Japanese Medaka 'Oryzias latipes'.
PB92-137488/REB 92-01 PC **A03**/MF **A01**

Guidelines for Culturing the Japanese Medaka, 'Oryzias latipes'.
PB92-137496/REB 92-01 PC **A03**/MF **A01**

OVARIAN MYCOSIS

Ovarian Mycosis in the Topsmelt 'Atherinops affinis'.
PB92-129691/REB 92-01 PC **A01**/MF **A01**

OVENS

Capsule Report: Benefits of Microprocessor Control of Curing Ovens for Solvent-Based Coatings.
PB92-179993/REB 92-01 PC **A03**/MF **A01**

OVERFLOWS

Storage of Combined Sewage in a Marine Waterbody.
PB92-158542/REB 92-01 PC **A03**/MF **A01**

Handling and Disposal of Sludges and Residuals from Combined Sewer Overflow Treatment.
PB92-158567/REB 92-01 PC **A02**/MF **A01**

Demonstration of in-Receiving Water Storage of Combined Sewer Overflows: In a Marine/Estuarine Environment by the Flow Balance Method.
PB92-158575/REB 92-01 PC **A02**/MF **A01**

Combined Sewer Overflow: Balancing Flow for CSO Abatement.
PB92-179761/REB 92-01 PC **A02**/MF **A01**

OVULATION

Assessment of Toxicant-Induced Alterations in the Luteinizing Hormone Control of Ovulation in the Rat.
PB92-150515/REB 92-01 PC **A03**/MF **A01**

OVUM IMPLANTATION

Pseudopregnancy and the Decidual Cell Response (DCR) in the Rat.
PB92-126895/REB 92-01 PC **A03**/MF **A01**

Assessment of Implantation in the Rat.
PB92-126903/REB 92-01 PC **A03**/MF **A01**

OXADIXYL

Pesticide Fact Sheet Number 237: Oxadixyl. (New Chemical Registration).
PB92-238492/REB 92-04 PC **A02**/MF **A01**

OXAMYL

Drinking Water Criteria Document for Oxamyl (VYDATE).
PB92-173434/REB 92-01 PC **A05**/MF **A01**

OXIDANTS

Protocols for Evaluating Oxidant Mechanisms for Urban and Regional Models.
PB92-205848/REB 92-04 PC **A06**/MF **A02**

Summary of Selected New Information on Effects of Ozone on Health and Vegetation: Supplement to 1986 Air Quality Criteria for Ozone and Other Photochemical Oxidants.
PB92-235670/REB 92-04 PC **A05**/MF **A02**

OXIDATION

Oxidation and Devolatilization of Nitrogen in Coal Char.
PB92-121441/REB 92-01 PC **A02**/MF **A01**

Applicability of UV/Oxidation Technologies to Treat Contaminated Groundwater.
PB92-126853/REB 92-01 PC **A03**/MF **A01**

Enabling Document for New Source Performance Standards for Air Oxidation Processes and Distillation Operations in the Synthetic Organic Chemical Manufacturing Industry.
PB92-161967/REB 92-01 PC **A04**/MF **A01**

Chemical Oxidation Treatment. Engineering Bulletin.
PB92-180066/REB 92-01 PC **A02**/MF **A01**

Supercritical Water Oxidation: Engineering Bulletin.
PB92-224088/REB 92-04 PC **A02**/MF **A01**

OXIDATION REDUCTION REACTIONS

Oxidation-Reduction Capacities of Aquifer Solids.
PB92-110410/REB 92-01 PC **A02**/MF **A01**

Sunlight-Induced Oxidation and Reduction of Organic Xenobiotics in Water, 1992.
PB92-150499/REB 92-01 PC **A03**/MF **A01**

New Perspectives in Aquatic Redox Chemistry: Abiotic Transformations of Pollutants in Groundwater and Sediments.
PB92-166628/REB 92-01 PC **A03**/MF **A01**

Spectroscopic Study of Surface Redox Reactions With Manganese Oxides.
PB92-179837/REB 92-01 PC **A02**/MF **A01**

OXYGEN

GAC Adsorption of a Mixture of Natural Organic Matter and VOCs in the Presence and Absence of Molecular Oxygen.
PB92-153782/REB 92-01 PC **A03**/MF **A01**

Effects of Low Dissolved Oxygen on Survival, Growth and Reproduction of 'Daphnia', 'Hyalella' and 'Gammarus'.
PB92-188846/REB 92-01 PC **A02**/MF **A01**

OYSTERS

Disease Incidence and Potential Mechanisms of Defense for MSX-Resistant and -Susceptible Eastern Oysters Held in Chesapeake Bay.
PB92-195650/REB 92-01 PC **A02**/MF **A01**

OZONATION

Ozonation Byproducts: Identification of Bromohydrins from the Ozonation Natural Waters with Enhanced Bromide Levels.
PB92-232958/REB 92-04 PC **A02**/MF **A01**

Ozone Disinfection and Treatment of Urban Storm Drain Dry-Weather Flows: A Pilot Treatment Plant Demonstration Project on the Kenter Canyon Storm Drain System in Santa Monica.
PB92-239268/REB 92-04 PC **A06**/MF **A02**

OZONE

Annular Denuders for Use in Global Climate and Stratospheric Measurements of Acidic Gases and Particles (Abstract Only).
N91-32531/6/REB 92-01
(Order as N91-32528/2/REB, PC **A05**/MF **A01**)

Variable Phase Function Approach for the Inversion of Lidar Return Signals.
N92-31073/9/REB 92-04
(Order as N92-31013/5/REB, PC **A16**/MF **A03**)

Guideline for Regulatory Application of the Urban Airshed Model.
PB92-108760/REB 92-01 PC **A05**/MF **A01**

Regional Ozone Modeling for Northeast Transport (ROMNET).
PB92-108786/REB 92-01 PC **A15**/MF **A03**

Regional Ozone Modeling for Northeast Transport (ROMNET). Appendices.
PB92-108794/REB 92-01 PC **A15**/MF **A03**

Procedures for the Preparation of Emission Inventories for Carbon Monoxide and Precursors of Ozone. Volume 1. General Guidance for Stationary Sources.
PB92-112168/REB 92-01 PC **A11**/MF **A03**

Example Emission Inventory Documentation for Post-1987 Ozone State Implementation Plans (SIPs).
PB92-112176/REB 92-01 PC **A18**/MF **A04**

Modulation of Human Alveolar Macrophage Properties by Ozone Exposure In vitro.
PB92-113281/REB 92-01 PC **A03**/MF **A01**

Emission Inventory Requirements for Ozone State Implementation Plans.
PB92-118017/REB 92-01 PC **A06**/MF **A02**

Technical Assistance Document for Sampling and Analysis of Ozone Precursors.
PB92-122795/REB 92-01 PC **A09**/MF **A02**

Adjusting Ambient Ozone Air Quality Indicators for Missing Values.
PB92-124155/REB 92-01 PC **A02**/MF **A01**

Comparison of Animal Infectivity, Excystation, and Fluorogenic Dye as Measures of 'Giardia muris' Cyst Inactivation by Ozone.
PB92-124288/REB 92-01 PC **A02**/MF **A01**

Development of Seasonal and Annual Biogenic Emissions Inventories for the U.S. and Canada.
PB92-126796/REB 92-01 PC **A07**/MF **A02**

Clean Air Act Section 183(d) Guidance on Cost-Effectiveness.
PB92-136795/REB 92-01 PC **A03**/MF **A01**

Effects of Ozone on Crops.
PB92-136845/REB 92-01 PC **A03**/MF **A01**

Stratospheric Ozone Protection: An EPA Engineering Perspective.
PB92-136894/REB 92-01 PC **A02**/MF **A01**

New Developments in Emission Projection Methodologies.
PB92-139393/REB 92-01 PC **A02**/MF **A01**

Seasonal and Annual Biogenic Emission Inventories for the U.S. and Canada.
PB92-139427/REB 92-01 PC **A03**/MF **A01**

Ozone Decreases Spring Root Growth and Root Carbohydrate Content in Ponderosa Pine the Year Following Exposure.
PB92-144039/REB 92-01 PC **A02**/MF **A01**

Enhanced Ozone Monitoring Network Design and Siting Criteria Guidance Document.
PB92-145390/REB 92-01 PC **A04**/MF **A01**

Concentration-Time Models for the Effects of Ozone on Bronchoalveolar Lavage Fluid Protein from Rats and Guinea Pigs.
PB92-150879/REB 92-01 PC **A03**/MF **A01**

Intersubject Variability in Human Acute Ozone Responsiveness. Symposium Proceedings.
PB92-158666/REB 92-01 PC **A02**/MF **A01**

Review of the National Ambient Air Quality Standards for Ozone Assessment of Scientific and Technical Information. OAQPS Staff Paper.
PB92-190446/REB 92-01 PC **A17**/MF **A03**

Spatial and Temporal Analysis of Non-Urban Ozone Concentrations over the Eastern United States Using Rotated Principal Component Analysis.
PB92-192152/REB 92-01 PC **A02**/MF **A01**

Sensitivity of Modeled Ozone Concentrations to Uncertainties in Biogenic Emissions.
PB92-192202/REB 92-01 PC **A10**/MF **A03**

Corona Destruction: An Innovative Control Technology for VOCs and Air Toxics.
PB92-206622/REB 92-04 PC **A03**/MF **A01**

Atlanta Ozone Precursor Monitoring Study Data Report.
PB92-220656/REB 92-04 PC **A08**/MF **A02**

Rethinking the Ozone Problem in Urban and Regional Air Pollution.
PB92-223221/REB 92-04 PC **A22**/MF **A04**

Quality Review Guidelines for 1990 Base Year Emission Inventories.
PB92-224435/REB 92-04 PC **A12**/MF **A03**

Application of the EPR Spin-Trapping Technique to the Detection of Radicals Produced in vivo during Inhalation Exposure of Rats to Ozone.
PB92-227412/REB 92-04 PC **A02**/MF **A01**

Ozone-Induced Inflammatory Response in Pulmonary Cells.
PB92-232792/REB 92-04 PC **A04**/MF **A01**

Summary of Selected New Information on Effects of Ozone on Health and Vegetation: Supplement to 1986 Air Quality Criteria for Ozone and Other Photochemical Oxidants.
PB92-235670/REB 92-04 PC **A05**/MF **A02**

PACIFIC NORTHWEST REGION (UNITED STATES)
Potential Impacts of Climate Change on Pacific Northwest Forest Vegetation.
PB92-184985/REB 92-01 PC **A03**/MF **A01**

Characteristics of Successful Riparian Restoration Projects in the Pacific Northwest.
PB92-196039/REB 92-04 PC **A04**/MF **A01**

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Chetco Ocean Dredged Material Disposal Site (ODMDS) Designation: Final Environmental Impact Statement.
PB92-104470/REB 92-01 PC **A08**/MF **A02**

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PB92-206242/REB 92-04 PC **A02**/MF **A01**

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Standard Operating Procedures for Lead in Paint by Hotplate - or Microwave-Based Acid Digestions and Atomic Absorption or Inductively Coupled Plasma Emission Spectrometry.
PB92-114172/REB 92-01 PC **A03**/MF **A01**

Standard Operating Procedures for Measurement of Lead in Paint Using the SCITEC MAP-3 X-ray Fluorescence Spectrometer.
PB92-114180/REB 92-01 PC **A04**/MF **A01**

Control of VOC Emissions from Ink and Paint Manufacturing Processes.
PB92-190230/REB 92-01 PC **A09**/MF **A02**

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Embryonic Palatal Responses to Teratogens in Serum-Free Organ Culture.
PB92-188960/REB 92-01 PC **A03**/MF **A01**

PALEOECOLOGICAL INVESTIGATION OF RECENT LAKE ACIDIFICATION PROJECT
PIRLA DBMS Quick Reference Guide.
PB92-110824/REB 92-01 PC **A08**/MF **A02**

PALEOLIMNOLOGY
PIRLA DBMS Quick Reference Guide.
PB92-110824/REB 92-01 PC **A08**/MF **A02**

How Much Acidification Has Occurred in Adirondack Region Lakes (New York, USA) since Preindustrial Times.
PB92-180371/REB 92-01 PC **A03**/MF **A01**

Assessing Trends in Fishery Resources and Lake Water Aluminum from Paleolimnological Analyses of Siliceous Algae.
PB92-180405/REB 92-01 PC **A03**/MF **A01**

PAMS (PHOTOCHEMICAL ASSESSMENT MONITORING STATIONS)
Enhanced Ozone Monitoring Network Design and Siting Criteria Guidance Document.
PB92-145390/REB 92-01 PC **A04**/MF **A01**

PANCREATIC NEOPLASMS
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PB92-129782/REB 92-01 PC **A02**/MF **A01**

PAPER INDUSTRY
Development Document for Interim Final and Proposed Effluent Limitations Guidelines and Proposed New Source Performance Standards for the Bleached Kraft, Groundwood, Sulfite, Soda, Deink, and Non-Integrated Paper Mills. Point Source Category. Volume 2. Sections 8 - 15.
PB92-231562/REB 92-04 PC **A13**/MF **A03**

Guidance Manual for Pulp, Paper, and Paperboard and Builders' Paper and Board Mills Pretreatment Standards.
PB92-231638/REB 92-04 PC **A04**/MF **A01**

Development Document for Interim Final and Proposed Effluent Limitations Guidelines and Proposed New Source Performance Standards for the Bleached Kraft, Groundwood, Sulfite, Soda, Deink and Non-Integrated Paper Mills. Volume 1. Segment of the Pulp, Paper, and Paperboard. Point Source Category. Group 1. Phase 2.
PB92-231869/REB 92-04 PC **A20**/MF **A04**

Development Document for Proposed Effluent Limitations Guidelines and Standards for Control of Polychlorinated Biphenyls in the Deink Subcategory of the Pulp, Paper and Paperboard. Point Source Category.
PB92-231964/REB 92-04 PC **A05**/MF **A01**

PARTICLE DEPOSITION
Deposition Patterns of Cigarette Smoke in Human Airways.
PB92-158682/REB 92-01 PC **A03**/MF **A01**

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Alternative Control Techniques Document: For PM-10 Emissions from Ferrous Foundries.
PB92-180017/REB 92-01 PC **A07**/MF **A02**

PARTICULATES
Volatile Organic Compound (VOC) and Particulate Matter (PM) Speciation Data System User's Manual, Version 1.4.
PB92-105527/REB 92-01 PC **A04**/MF **A01**

Field Performance of Woodburning Stoves in Crested Butte, Colorado.
PB92-113133/REB 92-01 PC **A03**/MF **A01**

National Air Pollutant Emission Estimates 1940-1990.
PB92-152859/REB 92-01 PC **A05**/MF **A02**

Evaluation of the Fourier Transform Infrared Spectrometer for Particle-Associated Ammonium Sulfate Determination.
PB92-160084/REB 92-01 PC **A04**/MF **A01**

High-Volume Impactor for Sampling Fine and Coarse Particles.
PB92-166727/REB 92-01 PC **A02**/MF **A01**

Volatile Organic Compound and Particulate Matter (VOC/PM) Speciation Data Base Management System (SPECIATE), Version 1.4 (for Microcomputers).
PB92-500354/REB 92-01 CP **D02**

PARTITION
Prediction of Octanol/Water Partition Coefficient (K sub ow) with Algorithmically Derived Variables.
PB92-217348/REB 92-04 PC **A02**/MF **A01**

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PB92-124320/REB 92-01 PC **A03**/MF **A01**

Estimation of Water Solubility and Octanol/Water Partition Coefficient of Hydrophobic Dyes. Part 2. Reverse-Phase High Performance Liquid Chromatography.
PB92-124338/REB 92-01 PC **A02**/MF **A01**

PASSAIC TOWNSHIP (NEW JERSEY)
Superfund Record of Decision (EPA Region 2): Asbestos Dump, New Vernon Road and White Bridge Road Sites, Passaic Township, Meyersville, NJ. (Second Remedial Action), September 1991.
PB92-963809/REB 92-01 PC **A04**/MF **A01**

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Respiratory Health Effects of Passive Smoking: Lung Cancer and Other Disorders.
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PB92-114487/REB 92-01 PC **A07**/MF **A02**

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PB92-150465/REB 92-01 PC **A03**/MF **A01**

Modeling Contaminant Transport through Subsurface Systems.
PB92-179118/REB 92-01 PC **A03**/MF **A01**

Humic Substances and Contaminant Transport: A Review.
PB92-179753/REB 92-01 PC **A02**/MF **A01**

Evaluation of the Rackwitz-Fiessler Uncertainty Analysis Method for Environmental Fate and Transport Models.
PB92-188879/REB 92-01 PC **A03**/MF **A01**

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PB92-126820/REB 92-01 PC **A10**/MF **A03**

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PB92-129691/REB 92-01 PC **A01**/MF **A01**

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PB92-230358/REB 92-04 PC **A08**/MF **A02**

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PB92-230366/REB 92-04 PC **A08**/MF **A02**

PENNSAUKEN (NEW JERSEY)
Superfund Record of Decision (EPA Region 2): Swope Oil and Chemical Company, Pennsauken Township, Camden County, NJ. (Second Remedial Action), September 1991.
PB92-963833/REB 92-04 PC **A07**/MF **A02**

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PB92-963240/REB 92-01 PC **A11**/MF **A03**

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Physiologically Based Toxicokinetic Model for the Uptake and Disposition of Waterborne Organic Chemicals in Fish.
PB92-136902/REB 92-01 PC **A03**/MF **A01**

PENTACHLOROPHENOL
Effect of Pentachlorophenol on the Activation of 2,6-Dinitrotoluene to Genotoxic Urinary Metabolites in CD-1 Mice: A Comparison of GI Enzyme Activities and Urine Mutagenicity.
PB92-150895/REB 92-01 PC **A03**/MF **A01**

Creosote, Pentachlorophenol, and Inorganic Arsenicals; Amendment of Notice of Intent to Cancel Registrations.
PB92-152842/REB 92-01 PC **A03**/MF **A01**

Superfund Innovative Technology Evaluation Program Demonstration Plan for Westinghouse Bio-Analytic Systems Pentachlorophenol Immunoassays.
PB92-170190/REB 92-01 PC **A08**/MF **A02**

Superfund Innovative Technology Evaluation (Site) Report for the Westinghouse Bio-Analytic Systems Pentachlorophenol (PCP) Immunoassays.
PB92-188713/REB 92-01 PC **A06**/MF **A02**

PENTOBARBITAL
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PB92-113240/REB 92-01 PC **A03**/MF **A01**

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Host Resistance to Murine Malaria in Mice Exposed to the Adenosine Deaminase Inhibitor, 2'-Deoxycoformycin.
PB92-150812/REB 92-01 PC **A03**/MF **A01**

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Protection of Tomatoes, Egg Plants, and Peppers: 1979-April 1991. Citations from AGRICOLA Concerning Diseases and Other Environmental Considerations.
PB92-140201/REB 92-01 PC **A11**/MF **A03**

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PB92-124585/REB 92-01 PC **A03**/MF **A01**

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PB92-136183/REB 92-01 PC **A06**/MF **A02**

EPA SITE Demonstration of the Horsehead Resource Development Company Flame Reactor Technology.
PB92-139401/REB 92-01 PC **A02**/MF **A01**

Program to Determine Performance of Fluorinated Ethers and Fluorinated Propanes in a Compressor Calorimeter.
PB92-139468/REB 92-01 PC **A03**/MF **A01**

Evaluation of Alternative Samplers for Bioaerosols. Phase 1. Physical Sampling Efficiency.
PB92-161918/REB 92-01 PC **A04**/MF **A01**

Use of Pilot Columns for Predicting Full-Scale GAC Performance.
PB92-179159/REB 92-01 PC **A03**/MF **A01**

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PB92-161967/REB 92-01 PC **A04**/MF **A01**

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PB92-158534/REB 92-01 PC **A03**/MF **A01**

PERIODICALS
EPA Journal Holdings Report, 1991.
PB92-132810/REB 92-01 PC **A12**/MF **A03**

EPA Journal Holdings Report, 1992.
PB92-217728/REB 92-04 PC **A12**/MF **A03**

RCRA, Superfund Monthly Hot Line Reports.
PB92-922400/REB 92-01 Subscription$96.00

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PERMITS

Permit Tracking System (PTS): A User's Manual.
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RCRA *Permit Policy Compendium. Volume 1. User's* Guide. Key Word Index.
PB92-111715/REB 92-01 PC **E10**

RCRA Permit Policy Compendium. Volume 2 (9420.1980-9434.1900). Hazardous Waste Management System (Part 260). General, Definitions, Petitions.
PB92-111723/REB 92-01 PC **A13**

RCRA Permit Policy Compendium. Volume 3 (9441.1980-9441.1986). Identification and Listing of Hazardous Waste (Part 261). General.
PB92-111731/REB 92-01 PC **A14**

RCRA Permit Policy Compendium. Volume 4 (9441.1987-9441.1990). Identification and Listing of Hazardous Waste (Part 261). General.
PB92-111749/REB 92-01 PC **A14**

RCRA Permit Policy Compendium. Volume 5 (9442.1980-9444.1986). Identification and Listing of Hazardous Waste (Part 261). Criteria for Identifying Hazardous Waste, Characteristics of Hazardous Waste, Lists of Hazardous Waste.
PB92-111756/REB 92-01 PC **A14**

RCRA Permit Policy Compendium. Volume 6 (9444.1987-9457.1990). Identification and Listing of Hazardous Waste (Part 261). Lists (Cont'd), Generator Standards (Part 262), General, Pretransportation, Recordkeeping, Special Conditions, Importing.
PB92-111764/REB 92-01 PC **A15**

RCRA Permit Policy Compendium. Volume 7 (9460.1980-9482.1990). Transporter Standards (Part 263). (TSDF's) (Parts 264 and 265), TSDF Technical Requirements (Parts 264 and 265).
PB92-111772/REB 92-01 PC **A11**

RCRA Permit Policy Compendium. Volume 8 (9483.1980-9489.1990). TSDF Technical Requirements (Parts 264 and 265). Tanks, Surface Impoundments, Waste Piles, Land Treatment, Landfills, Incinerators, Miscellaneous Units.
PB92-111780/REB 92-01 PC **A15**

RCRA Permit Policy Compendium. Volume 9 (9490.1980-9521.1990). Standards for Managing Specific Hazardous Wastes (Part 266). Permitting Policies, Permitting Procedures (Parts 124 and 270).
PB92-111798/REB 92-01 PC **A15**

RCRA *Permit Policy Compendium. Volume* 10 (9522.1980-9528.1990). Permitting Procedures (Parts 124 and 270). Applications, Conditions, Changes, Interim Status.
PB92-111806/REB 92-01 PC **A15**

RCRA Permit Policy Compendium. Volume 11 (9530.1980-9581.1990). Air Emissions Standards, State Authorization (Part 271), Land Disposal Restrictions (Part 268). Waste Minimization, Subtitle D, RCRA Grant Funds.
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Trends and Patterns in Section 404 Permitting Requiring Compensatory Mitigation in Oregon and Washington, USA.
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Permit Tracking System (PTS), Version 1.0 (for Microcomputers).
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PB92-226182/REB 92-04 PC **A03**/MF **A01**

PERSONAL COOLING DEVICES

Evaluation of Personal Cooling Devices for Dioxin Clean-Up Operation.
PB92-206895/REB 92-04 PC **A05**/MF **A01**

PEST CONTROL

Natural Enemy Risk Assessment (NERISK) User's Manual.
PB92-114990/REB 92-01 PC **A03**/MF **A01**

Protection of Nut Crops, 1979-April 1991. Citations from AGRICOLA Concerning Diseases and Other Environmental Considerations.
PB92-140219/REB 92-01 PC **A12**/MF **A03**

Natural Enemy Risk Assessment (NERISK) (for Microcomputers).
PB92-500446/REB 92-01 CP **D06**

PESTICIDE APPLICATOR TRAINING COLLECTION

Pesticide Applicator Training Materials: A Bibliography.
PB92-780873/REB 92-01 PC**$97.50**/MF**$42.50**

PESTICIDE REGISTRATION

Creosote, Pentachlorophenol, and Inorganic Arsenicals; Amendment of Notice of Intent to Cancel Registrations.
PB92-152842/REB 92-01 PC **A03**/MF **A01**

PESTICIDE RESIDUES

Proceedings of International Workshop on Research in Pesticide Treatment/Disposal/Waste Minimization. Held in Cincinnati, Ohio on February 26-27, 1991.
PB92-119940/REB 92-01 PC **A10**/MF **A03**

Waste Minimization for Non-Agricultural Pesticide Applicators: EPA's Pollution Prevention Guide.
PB92-153774/REB 92-01 PC **A02**/MF **A01**

PESTICIDES

Pesticide Fact Sheet Number 226: Bensulfuron Methyl.
PB92-104389/REB 92-01 PC **A02**/MF **A01**

Puget Sound Pesticide Reconnaissance Survey, 1990.
PB92-104504/REB 92-01 PC **A06**/MF **A02**

On-Site Methods for Assessing Chemical Impact on the Soil Environment Using Earthworms: A Case Study at the Baird and McGuire Superfund Site, Holbrook, Massachusetts.
PB92-108166/REB 92-01 PC **A03**/MF **A01**

Pesticide Fact Sheet Number 227: Gokilaht.
PB92-110006/REB 92-01 PC **A02**/MF **A01**

RED Facts: Methoprene.
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Reregistration Eligibility Document (RED): Methoprene (List A, Case 0030).
PB92-111855/REB 92-01 PC **A03**/MF **A01**

Reregistration Eligibility Document (RED): Heliothis zea NPV (List A, Case Number 151).
PB92-111863/REB 92-01 PC **A03**/MF **A01**

RED Facts: Heliothis zea NPV.
PB92-111871/REB 92-01 PC **A02**/MF **A01**

Alachlor Position Document 2/3.
PB92-111889/REB 92-01 PC **A02**/MF **A01**

SELCTV System Manual for SELCTV and REFER Databases and the SELCTV Data Management Program.
PB92-113455/REB 92-01 PC **A04**/MF **A01**

Daminozide Position Document 4.
PB92-114198/REB 92-01 PC **A01**/MF **A01**

1,3-Dichloropropene Position Document 1.
PB92-114206/REB 92-01 PC **A02**/MF **A01**

Daminozide Position Document 2/3.
PB92-114214/REB 92-01 PC **A03**/MF **A01**

Daminozide Position Document 1.
PB92-114222/REB 92-01 PC **A02**/MF **A01**

Cadmium: Special Review Document.
PB92-114230/REB 92-01 PC **A01**/MF **A01**

Alachlor: Position Document, 4.
PB92-114248/REB 92-01 PC **A03**/MF **A01**

Ethalfluralin Position Document 1/2/3/4.
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Inorganic Arsenicals Position Document 2/3.
PB92-114297/REB 92-01 PC **A03**/MF **A01**

Inorganic Arsenicals Position Document 4.
PB92-114305/REB 92-01 PC **A03**/MF **A01**

Chlorobenzilate Position Document 1.
PB92-114313/REB 92-01 PC **A01**/MF **A01**

RED Facts: Fosetyl-Al (Aliette).
PB92-114321/REB 92-01 PC **A02**/MF **A01**

Reregistration Eligibility Document (RED): Fosetyl-Al (Aliette).
PB92-114339/REB 92-01 PC **A04**/MF **A01**

RED Facts: Sulfur.
PB92-114347/REB 92-01 PC **A02**/MF **A01**

RED. Facts: Potassium Bromide.
PB92-114354/REB 92-01 PC **A02**/MF **A01**

Reregistration Elegibility Document (RED): Potassium Bromide.
PB92-114362/REB 92-01 PC **A03**/MF **A01**

Dinocap Position Document 4.
PB92-114370/REB 92-01 PC **A03**/MF **A01**

Reregistration Eligibility Document (RED): Sulfur (List A, Case 0031).
PB92-114453/REB 92-01 PC **A04**/MF **A01**

Natural Enemy Risk Assessment (NERISK) User's Manual.
PB92-114990/REB 92-01 PC **A03**/MF **A01**

Plant Tier Testing: A Workshop to Evaluate Nontarget Plant Testing in Subdivision J Pesticide Guidelines. Held in Corvallis, Oregon on November 29-December 1, 1990.
PB92-116052/REB 92-01 PC **A12**/MF **A03**

Proceedings of International Workshop on Research in Pesticide Treatment/Disposal/Waste Minimization. Held in Cincinnati, Ohio on February 26-27, 1991.
PB92-119940/REB 92-01 PC **A10**/MF **A03**

Another Look: National Survey of Pesticides in Drinking Water Wells. Phase 2 Report.
PB92-120831/REB 92-01 PC **E05**/MF **A03**

Pesticide Effects on Arthropod Natural Enemies: A Database Summary.
PB92-124163/REB 92-01 PC **A03**/MF **A01**

Toxicity, Selectivity and Sublethal Effects of Pesticides on Arthropod Natural Enemies: A Data-Base Summary.
PB92-124189/REB 92-01 PC **A03**/MF **A01**

NERISK: An Expert System to Enhance the Integration of Pesticides with Anthropod Biological Control.
PB92-124254/REB 92-01 PC **A02**/MF **A01**

Reregistration Eligibility Document (RED): Warfarin.
PB92-126739/REB 92-01 PC **A04**/MF **A01**

Reregistration Eligibility Document (RED): Warfarin. Appendices C-H.
PB92-126747/REB 92-01 PC **A06**/MF **A02**

RED Facts: Warfarin.
PB92-126754/REB 92-01 PC **A02**/MF **A01**

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PB92-126978/REB 92-01 PC **A02**/MF **A01**

Pesticide Fact Sheet Number 229: Diquat Dibromide.
PB92-126986/REB 92-01 PC **A03**/MF **A01**

Pesticide Fact Sheet Number 231: Prodiamine.
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RED Facts: Silicon Dioxide and Silica Gel.
PB92-145432/REB 92-01 PC **A02**/MF **A01**

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PB92-145440/REB 92-01 PC **A02**/MF **A01**

Pesticide Fact Sheet Number 230: Clethodim.
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RED Facts: Dried Blood.
PB92-145465/REB 92-01 PC **A02**/MF **A01**

RED Facts: Inorganic Nitrate/Nitrite (Sodium and Potassium Nitrates).
PB92-145473/REB 92-01 PC **A02**/MF **A01**

RED Facts: Carbon.
PB92-147883/REB 92-01 PC **A02**/MF **A01**

RED Facts: Propionic Acid.
PB92-147891/REB 92-01 PC **A02**/MF **A01**

What Can Be Learnt from Protocols Relating to Non-*Pharmaceuticals*.
PB92-150424/REB 92-01 PC **A03**/MF **A01**

Field Testing Pesticide Transport Models at a Cooperative Test Site Near Plains, Georgia.
PB92-150473/REB 92-01 PC **A02**/MF **A01**

Abiotic Transformations of Pesticides in Natural Waters and Sediments.
PB92-150481/REB 92-01 PC **A03**/MF **A01**

Waste Minimization for Non-Agricultural Pesticide Applicators: EPA's Pollution Prevention Guide.
PB92-153774/REB 92-01 PC **A02**/MF **A01**

Pesticide Reregistration Handbook: How to Respond to the Reregistration Eligibility Document.
PB92-154806/REB 92-01 PC **A03**/MF **A01**

Pesticide Fact Sheet Number 232: Isoxaben.
PB92-160548/REB 92-01 PC **A02**/MF **A01**

Reregistration Eligibility Document (RED): Silicon Dioxide and Silica Gel.
PB92-161900/REB 92-01 PC **A04**/MF **A01**

*Reregistration Eligibility Document (RED). Sodium Diace*tate.
PB92-161934/REB 92-01 PC **A03**/MF **A01**

Reregistration Eligibility Document (RED): Dried Blood.
PB92-161942/REB 92-01 PC **A03**/MF **A01**

Reregistration Eligibility Document (RED): Inorganic Nitrate/Nitrite (Sodium and Potassium Nitrates).
PB92-161975/REB 92-01 PC **A03**/MF **A01**

Reregistration Eligibility Document (RED): Propionic Acid.
PB92-161983/REB 92-01 PC **A03**/MF **A01**

Preliminary Results of a Pesticide Leaching Study at Plains, Georgia.
PB92-166354/REB 92-01 PC **A02**/MF **A01**

*Treating Soil Solution Samplers to Prevent Microbial Re*moval of Analytes.
PB92-166610/REB 92-01 PC **A02**/MF **A01**

Quality Assurance Project Plan for the National Pesticide *Survey of Drinking Water Wells.*
PB92-168509/REB 92-04 PC **A07**/MF **A02**

Quality Assurance Project Plan for the National Pesticide Survey of Drinking Water Wells: Analytical Method 1 - Nitrogen/*Phosphorous Pesticides and Analytical Method 3* - Chlorinated Acid Herbicides.
PB92-168517/REB 92-04 PC **A12**/MF **A03**

Quality Assurance Plan for the National Pesticide Survey *of Drinking Water Wells: Analytical Method 2 - Chlorinat*ed Pesticides.
PB92-168525/REB 92-04 PC **A08**

Quality Assurance Project Plan for the National Pesticide *Survey of Drinking Water Wells: Analytical Method 5* - Methyl Carbamates.
PB92-168541/REB 92-04 PC **A06**/MF **A02**

Quality Assurance Project Plan for the National Pesticide *Survey of Drinking Water Wells: Analytical Method 6.*
PB92-168558/REB 92-04 PC **A07**/MF **A02**

Quality Assurance Project Plan for the National Pesticide Survey of Drinking Water Wells: Analytical Method 7 - Fu*migants.*
PB92-168566/REB 92-04 PC **A06**/MF **A02**

Quality Assurance Project Plan for the National Pesticide Survey of Drinking Water Wells: Analytical Method 9 - Nitrate and Nitrite.
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Quality Assurance Project Plan for the National Pesticide Survey of Drinking Water Wells Referee Analyses for Analytical Method 2 - Organochlorine Pesticides, Analytical Method 4 - Carbamates, Method 5 - Methylcarbamates, Method 7 - Fumigants, and Method 9 - Nitrate/Nitrite.
PB92-168582/REB 92-04 PC **A11**/MF **A03**

Quality Assurance Project Plan for the National Pesticide Survey of Drinking Water Wells: Analytical Method 1.
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Quality Assurance Project Plan for the National Pesticide Survey of Drinking Water Wells: Analytical Method 3.
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Quality Assurance Project Plan for the National Pesticide Survey of Drinking Water Wells: Analytical Method 6 - Ethylene Thiourea.
PB92-168616/REB 92-04 PC **A07**/MF **A02**

Quality Assurance Project Plan for the National Pesticide Survey of Drinking Water Wells: Hydrogeologic Characterization and Second-Stage Stratification Activities.
PB92-168624/REB 92-04 PC **A08**/MF **A02**

Quality Assurance Project Plan for the National Survey of Pesticides in Drinking Water Wells: Well Sampling, Data Collection and Processing.
PB92-168632/REB 92-04 PC **A07**/MF **A02**

Quality Assurance Project Plan for the National Pesticide Survey of Drinking Water Wells: Survey Statistics, Data Collection and Processing.
PB92-168640/REB 92-04 PC **A04**/MF **A01**

RED Facts: Sodium and Calcium Hypochlorite Salts.
PB92-171958/REB 92-01 PC **A02**/MF **A01**

Cost-Effectiveness Analysis of Proposed Effluent Limitations Guidelines and Standards for the Pesticide Manufacturing Industry.
PB92-173525/REB 92-01 PC **A03**/MF **A01**

Economic Impact Analysis of Proposed Effluent Limitations Guidelines and Standards for the Pesticide Manufacturing Industry.
PB92-173533/REB 92-01 PC **A15**/MF **A03**

Development Document for Best Available Technology, Pretreatment Technology, and New Source Performance Technology for the Pesticide Chemical Industry. Proposed. (Pesticide Chemicals Manufacturing Category Effluent Limitations Guidelines, Pretreatment Standards, and New Source Performance Standards).
PB92-173541/REB 92-01 PC **A21**/MF **A04**

National Home and Garden Pesticide Use Survey Final Report. Executive Summary.
PB92-174739/REB 92-01 PC **A03**/MF **A01**

National Home and Garden Pesticide Use Survey. Final Report. Volume 1. Executive Summary, Results, and Recommendations.
PB92-174747/REB 92-01 PC **A16**/MF **A03**

National Home and Garden Pesticide Use Survey. Final Report. Volume 2. Survey Design, Implementation, and Analysis Methods.
PB92-174754/REB 92-01 PC **A07**/MF **A02**

Reregistration Eligibiligy Document (RED): Sodium and Calcium Hypochlorites.
PB92-180116/REB 92-01 PC **A04**/MF **A01**

Emergency Exemptions under Section 18 of the Federal Insecticide Fungicide and Rodenticide Act. 1. Guidance for State and Federal Agencies.
PB92-183235/REB 92-04 PC **A03**/MF **A01**

Emergency Exemptions under Section 18 of the Federal Insecticide Fungicide and Rodenticide Act. 2. Instructions for Submission of Emergency Exemption Applications.
PB92-183243/REB 92-04 PC **A03**/MF **A01**

Pesticide Fact Sheet Number 225: Dichlorvos (DDVP).
PB92-185818/REB 92-01 PC **A01**/MF **A01**

Pesticide Fact Sheet Number 91.1: Arsenic Acid (H3AsO4).
PB92-185826/REB 92-01 PC **A02**/MF **A01**

Pesticide Fact Sheet Number 112.1: Lead Arsenate.
PB92-185834/REB 92-01 PC **A01**/MF **A01**

Pesticide Fact Sheet Number 233: Ethylene Bisdithiocarbamates (EBDCs).
PB92-185842/REB 92-01 PC **A03**/MF **A01**

Pesticide Fact Sheet Number 234: Ethylene Oxide (EtO).
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Pesticide Fact Sheet Number 111.1: Calcium Arsenate (Tolerance Revocation).
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Characteristics of the U.S. EPA's Office of Pesticide Programs' Toxicity Information Databases.
PB92-188978/REB 92-01 PC **A02**/MF **A01**

Methods for the Determination of Nonconventional Pesticides in Municipal and Industrial Wastewater.
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Status of Pesticides in Reregistration and Special Review.
PB92-190438/REB 92-01 PC **A14**/MF **A03**

Reregistration Eligibility Document (RED): Heptachlor.
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RED Facts: Heptachlor.
PB92-192798/REB 92-01 PC **A02**/MF **A01**

Mosquito Control Pesticides: Adverse Impacts to Freshwater Aquatic and Marine Organisms.
PB92-195890/REB 92-01 PC **A02**/MF **A01**

Protocol for Testing the Effects of Fungal Pesticides on Nontarget Beetles Using 'Hippodamia convergens' (Coleoptera: Coccinellidae).
PB92-217488/REB 92-04 PC **A03**/MF **A01**

Citizen's Guide to Pesticides (Fourth Edition), November 1991.
PB92-218403/REB 92-04 PC **A03**/MF **A01**

Reregistration Eligibility Document (RED): Alkyl Amine Hydrochloride.
PB92-220219/REB 92-04 PC **A06**/MF **A02**

Reregistration Eligibility Document (RED): Putrescent Whole Egg Solids.
PB92-220227/REB 92-04 PC **A06**/MF **A02**

Reregistration Eligibility Document (RED): 'Allium sativum' (Garlic).
PB92-220235/REB 92-04 PC **A07**/MF **A02**

General Information on Applying for Registration of Pesticides in the United States. Second Edition.
PB92-221811/REB 92-04 PC **A13**/MF **A03**

Reregistration Eligibility Document (RED): Citric Acid.
PB92-221829/REB 92-04 PC **A06**/MF **A02**

RED Facts: Citric Acid.
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Protecting Endangered Species: Interim Measures, Stephens County, Georgia.
PB92-224096/REB 92-04 PC **A01**/MF **A01**

Pesticide Reregistration Progress Report.
PB92-224328/REB 92-04 PC **A03**/MF **A01**

Pesticide Safety for Farmworkers (Uso Seguro de Pesticidas para los Trabajadores del Campo).
PB92-224344/REB 92-04 PC **A03**

Pesticides and Ground-Water Strategy.
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Pesticides in Drinking-Water Wells.
PB92-225069/REB 92-04 PC **A03**/MF **A01**

Protecting Endangered Species: Interim Measures. Walker County, Georgia.
PB92-226224/REB 92-04 PC **A01**/MF **A01**

Permeation Resistance of Glove Materials to Agricultural Pesticides.
PB92-227396/REB 92-04 PC **A03**/MF **A01**

Age-Related Percutaneous Penetration of 2-sec-Butyl-4-6-Dinitrophenol (Dinoseb) in Rats.
PB92-227495/REB 92-04 PC **A03**/MF **A01**

Status of Pesticides in Reregistration and Special Review (Rainbow Report).
PB92-227636/REB 92-04 PC **A14**/MF **A03**

Pesticide Reregistration.
PB92-231182/REB 92-04 PC **A03**/MF **A01**

Suspended, Cancelled, and Restricted (SCR) Pesticides.
PB92-231240/REB 92-04 PC **A06**/MF **A02**

Protecting Endangered Species: Interim Measures, Baker County, Georgia.
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Protecting Endangered Species: Interim Measures, Culberson County, Texas.
PB92-232412/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, El Paso County, Texas.
PB92-232420/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, Monongalia County, West Virginia.
PB92-232438/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, Hudspeth County, Texas.
PB92-232487/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, Jackson County, Mississippi.
PB92-232495/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, Towns County, Georgia.
PB92-232503/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, Navajo County, Arizona.
PB92-232511/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, Graham County, Arizona.
PB92-232529/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, Carter County, Tennessee.
PB92-232537/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, Austin County, Texas.
PB92-232545/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, Sunflower County, Mississippi.
PB92-232552/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, Dubuque County, Iowa.
PB92-232560/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, Fayette County, Iowa.
PB92-232578/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, Habersham County, Georgia.
PB92-232586/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, Rabun County, Georgia.
PB92-232594/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, Cochise County, Arizona.
PB92-232602/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, Bolivar County, Mississippi.
PB92-232610/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, Clayton County, Iowa.
PB92-232628/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, Coconino County, Arizona.
PB92-232636/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, Aransas County, Texas.
PB92-232644/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, Mitchell County, North Carolina.
PB92-232651/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, Mohave County, Arizona.
PB92-232669/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, Yavapai County, Arizona.
PB92-232677/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, Burke County, Georgia.
PB92-232685/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, Wheeler County, Georgia.
PB92-232693/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, Sumter County, Georgia.
PB92-232701/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, Colorado County, Texas.
PB92-232719/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, Floyd County, Georgia.
PB92-232727/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, Davidson County, Tennessee.
PB92-232735/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, Gordon County, Georgia.
PB92-232743/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, Dooly County, Georgia.
PB92-232750/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, Henderson County, North Carolina.
PB92-232768/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, Lee County, Georgia.
PB92-232776/REB 92-04 PC **A01**/MF **A01**

RED Facts: 'Allium sativum' (Garlic).
PB92-233139/REB 92-04 PC **A01**/MF **A01**

EPA's Pesticide Programs.
PB92-233147/REB 92-04 PC **A03**/MF **A01**

RED Facts: Putrescent Whole Egg Solids.
PB92-235621/REB 92-04 PC **A01**/MF **A01**

RED Facts: Alkyl Amine Hydrochloride.
PB92-235639/REB 92-04 PC **A02**/MF **A01**

Pesticide Fact Sheet Number 235: 'Bacillus subtilis' GB03.
PB92-238484/REB 92-04 PC **A02**/MF **A01**

Pesticide Fact Sheet Number 237: Oxadixyl. (New Chemical Registration).
PB92-238492/REB 92-04 PC **A02**/MF **A01**

Pesticide Fact Sheet Number 238: 'Pseudomonas fluorescens' and 'Pseudomonas syringae' Strains.
PB92-238500/REB 92-04 PC **A02**/MF **A01**

Reregistration Eligibility Document (RED): Indole-3-Butyric Acid. (List B, Case 2330).
PB92-238526/REB 92-04 PC **A12**/MF **A03**

Natural Enemy Risk Assessment (NERISK) (for Microcomputers).
PB92-500446/REB 92-01 CP **D06**

General Information on Applying for Registration of Pesticides in the United States. Second Edition (for Microcomputers).
PB92-504356/REB 92-04 CP **D02**

Pesticide Applicator Training Materials: A Bibliography.
PB92-780873/REB 92-01 PC**$97.50**/MF**$42.50**

Pesticide Compact Label File - 1990 Updates.
PB92-911600/REB 92-01 Subscription

Compact Label File - 1992 (Fiche 1 - 5281).
PB92-911699/REB 92-01 MF**$2640.00**

PETROLEUM INDUSTRY
Research and Development for Total-Flood Halon 1301 Replacements for Oil and Gas Production Facilities.
PB92-206515/REB 92-04 PC **A02**/MF **A01**

PETROLEUM PRODUCTS
Assessing UST Corrective Action Technology: A Scientific Evaluation of the Mobility of Organic Contaminants in Subsurface Environments.
PB92-114552/REB 92-01 PC **A16**/MF **A03**

Optimizing BTEX Biodegradation under Denitrifying Conditions.
PB92-124262/REB 92-01 PC **A03**/MF **A01**

Technical Aspects of Underground Storage Tank Closure.
PB92-161199/REB 92-01 PC **A04**/MF **A01**

Potential Reuse of Petroleum-Contaminated Soil: A Directory of Permitted Recycling Facilities.
PB92-173780/REB 92-04 PC **A03**/MF **A01**

Column Studies on BTEX Biodegradation under Microaerophilic and Denitrifying Conditions.
PB92-179050/REB 92-01 PC **A03**/MF **A01**

Remediation of Leaking USTs: A System for Accessing Case Histories and Related Documents.
PB92-179803/REB 92-01 PC **A02**/MF **A01**

PETROLEUM REFINING
Guide for the Application of Effluent Limitations Guidelines for the Petroleum Refining Industry.
PB92-232057/REB 92-04 PC **A11**/MF **A03**

PHAGE LAMBDA
Induction of Prophage Lambda by Chlorinated Organics: Detection of Some Single-Species/Single-Site Carcinogens.
PB92-195841/REB 92-01 PC **A03**/MF **A01**

Prophage Induction by DNA Topoisomerase II Poisons and Reactive-Oxygen Species: Role of DNA Breaks.
PB92-195866/REB 92-01 PC **A03**/MF **A01**

PHANEROCHAETE CHRYSOSPORIUM
Hazardous Waste Degradation by Wood Degrading Fungi.
PB92-217082/REB 92-04 PC **A03**/MF **A01**

PHARMACEUTICAL INDUSTRY
Guides to Pollution Prevention: The Pharmaceutical Industry.
PB92-100080/REB 92-01 PC **A05**/MF **A01**

PHARMACOKINETICS
Physiologically Based Toxicokinetic Model for the Uptake and Disposition of Waterborne Organic Chemicals in Fish.
PB92-136902/REB 92-01 PC **A03**/MF **A01**

Consideration of Pharmacokinetics and Temporal Sensitivity for Hydroxyurea in Relation to Teratogenic Potential.
PB92-136910/REB 92-01 PC **A03**/MF **A01**

Disposition of 2,3,7,8-Tetrabromodibenzo-p-Dioxin and 2,3,7,8-Tetrachlorodibenzo-p-dioxin in the Rat: Biliary Excretion and Induction of Cytochromes CYP1A1 and CYP1A2.
PB92-150747/REB 92-01 PC **A03**/MF **A01**

Consideration of the Target Organ Toxicity of Trichloroethylene in Terms of Metabolite Toxicity and Pharmacokinetics.
PB92-198621/REB 92-04 PC **A06**/MF **A02**

Physiologically Based Kinetic Model of Rat and Mouse Gestation: Disposition of a Weak Acid.
PB92-198647/REB 92-04 PC **A03**/MF **A01**

Some Constitutive Modifiers of the Kinetic and Dynamic Behavior of Non-Essential Metals.
PB92-227347/REB 92-04 PC **A03**/MF **A01**

PHARMACOLOGY
Neurobiological Effects of Colchicine: Modulation by Nerve Growth Factor.
PB92-158633/REB 92-01 PC **A03**/MF **A01**

Examination of the Anticonvulsant Properties of Voltage-Sensitive Calcium Channel Inhibitors in Amygdala Kindled Seizures.
PB92-166776/REB 92-01 PC **A02**/MF **A01**

Antimutagenicity Profiles of Some Natural Substances.
PB92-206382/REB 92-04 PC **A03**/MF **A01**

Host Resistance to 'Trichinella spiralis' Infection in Rats and Mice: Species-Dependent Effects of Cyclophosphamide Exposure.
PB92-233006/REB 92-04 PC **A03**/MF **A01**

PHASE 2 RULE
Summary of Phase II Regulations: National Primary Drinking Water Regulation for 38 Inorganic and Synthetic Organic Chemicals.
PB92-122969/REB 92-01 PC **A04**/MF **A01**

PHASE STUDIES
Dense Nonaqueous Phase Liquids: A Workshop Summary. Held in Dallas, Texas on April 16-18, 1991.
PB92-178938/REB 92-01 PC **A05**/MF **A01**

PHENOBARBITAL
Quantitative Image Cytometry of Hepatocytes Expressing Gamma-Glutamyl Transpeptidase and Glutathione S-Transferase in Diethylnitrosamine-Initiated Rats Treated with Phenobarbitol and/or Phthalate Esters.
PB92-227586/REB 92-04 PC **A03**/MF **A01**

PHENOL
Performance Characterization of a Model Bioreactor for the Biodegradation of Trichloroethylene by 'Pseudomonas cepacia' G4.
PB92-129717/REB 92-01 PC **A02**/MF **A01**

Drinking Water Health Advisory for Phenol.
PB92-135508/REB 92-01 PC **A03**/MF **A01**

PHENOL/DICHLORO
Environmental Factors Correlated to Dichlorophenol Dechlorination in Anoxic Freshwater Sediments.
PB92-124346/REB 92-01 PC **A03**/MF **A01**

PHENOL/PENTACHLORO
Regiospecific Dechlorination of Pentachlorophenol by Dichlorophenol-Adapted Microorganisms in Freshwater, Anaerobic Sediment Slurries.
PB92-101674/REB 92-01 PC **A03**/MF **A01**

Biodegradation of Creosote and Pentachlorophenol in Contaminated Groundwater: Chemical and Biological Assessment.
PB92-129659/REB 92-01 PC **A03**/MF **A01**

Bench-Scale Evaluation of Alternative Biological Treatment Processes for the Remediation of Pentachlorophenol- and Creosote-Contaminated Materials: Slurry-Phase Bioremediation.
PB92-129683/REB 92-01 PC **A02**/MF **A01**

Bench-Scale Evaluation of Alternative Biological Treatment Processes for the Remediation of Pentachlorophenol- and Creosote-Contaminated Materials: Solid-Phase Bioremediation.
PB92-129725/REB 92-01 PC **A03**/MF **A01**

Detoxification of Pentachlorophenol and Creosote Contaminated Groundwater by Physical Extraction: Chemical and Biological Assessment.
PB92-129733/REB 92-01 PC **A02**/MF **A01**

PHENOLS
Zooplankton Population Dynamics in Experimentally Toxified Pond Ecosystems.
PB92-153352/REB 92-01 PC **A02**/MF **A01**

PHILADELPHIA COUNTY (PENNSYLVANIA)
Superfund Record of Decision (EPA Region 3): Publicker/Cuyahoga Wrecking Plant, PA. (Second Remedial Action), June 1991.
PB92-963902/REB 92-01 PC **A03**/MF **A01**

PHORBOL ESTERS
Interactive Effects of Aldrin, Cyclohexylamine, 2,4-Diaminotoluene and Two Phorbol Esters on Metabolic Cooperation between V79 Cells.
PB92-108026/REB 92-01 PC **A02**/MF **A01**

PHOSGENE
Enhance and Prolonged Pulmonary Influenza Virus Infection Following Phosgene Inhalation.
PB92-124650/REB 92-01 PC **A03**/MF **A01**

Reduction of Neutrophil Influx Diminishes Lung Injury and Mortality Following Phosgene Inhalation.
PB92-227420/REB 92-04 PC **A03**/MF **A01**

PHOSPHATE INDUSTRY
Developmental Document for Effluent Limitations Guidelines and New Source Performance Standards for the Other Non-Fertilizer Phosphate Chemicals Segment of the Phosphate Manufacturing. Point Source Category. Group 1, Phase 2.
PB92-231992/REB 92-04 PC **A06**/MF **A02**

PHOSPHATE ROCK SLIME
Potential Uses of Phosphogypsum and Associated Risks. Background Information Document.
PB92-196054/REB 92-01 PC **A06**/MF **A02**

PHOSPHOGYPSUM
Potential Uses of Phosphogypsum and Associated Risks. Background Information Document.
PB92-196054/REB 92-01 PC **A06**/MF **A02**

PHOSPHOINOSITIDES
Compensatory Alterations in Receptor-Stimulated Phosphoinositide Hydrolysis in the Hippocampus Vary as a Function of Dose of Colchicine.
PB92-110501/REB 92-01 PC **A02**/MF **A01**

Age-Dependent Changes in Receptor-Stimulated Phosphoinositide Turnover in the Rat Hippocampus.
PB92-206333/REB 92-04 PC **A02**/MF **A01**

PHOSPHONIC ACID/PROPYL-METHYL
Health Advisory for Isopropyl Methylphosphonic Acid (IMPA).
PB92-232149/REB 92-04 PC **A03**/MF **A01**

PHOTOCHEMICAL REACTIONS
Regional Ozone Modeling for Northeast Transport (ROMNET).
PB92-108786/REB 92-01 PC **A15**/MF **A03**

Regional Ozone Modeling for Northeast Transport (ROMNET). Appendices.
PB92-108794/REB 92-01 PC **A15**/MF **A03**

Production of Carbon Monoxide by the Homogeneous NOx-Induced Photooxidation of Volatile Organic Compounds in the Troposphere.
PB92-110576/REB 92-01 PC **A03**/MF **A01**

Regional Oxidant Model (ROM) User's Guide. Part 4: The ROM System User Tutorial (Processor Network and Core Model).
PB92-120872/REB 92-01 PC **A10**/MF **A03**

Estimating Natural Emissions for EPA's Regional Oxidant Model.
PB92-129592/REB 92-01 PC **A03**/MF **A01**

Determination of Rates of Reaction in the Gas-Phase in the Troposphere. Theory and Practice. 3. Rate of Indirect Photoreaction.
PB92-150374/REB 92-01 PC **A11**/MF **A03**

Determination of Rates of Reaction in the Gas-Phase in the Troposphere. Theory and Practice. 4. Rate of Indirect Photoreaction.
PB92-150382/REB 92-01 PC **A05**/MF **A01**

Hydroxyl Radical Formation in Aqueous Reactions (pH 3-8) of Iron(II) with Hydrogen Peroxide: The Photo-Fenton Reaction.
PB92-153824/REB 92-01 PC **A02**/MF **A01**

Regional Oxidant Model (ROM), (Source Code Only) (Version 2.1).
PB92-500842/REB 92-01 MagTape$1500.00

Regional Oxidant Model (ROM), Source Code and Test Data (Version 2.1).
PB92-500859/REB 92-01 MagTape$4000.00

PHOTOCHEMISTRY
Sunlight-Induced Oxidation and Reduction of Organic Xenobiotics in Water, 1992.
PB92-150499/REB 92-01 PC **A03**/MF **A01**

PHOTOGRAPHIC PROCESSING CHEMICALS
Guides to Pollution Prevention: The Photoprocessing Industry.
PB92-129121/REB 92-01 PC **A04**/MF **A01**

PHOTOGRAPHIC PROCESSORS
Guides to Pollution Prevention: The Photoprocessing Industry.
PB92-129121/REB 92-01 PC **A04**/MF **A01**

PHOTOSYNTHESIS
Leaf Photosynthetic and Water Relations Responses for 'Valencia' Orange Trees Exposed to Oxidant Air Pollution.
PB92-153857/REB 92-01 PC **A03**/MF **A01**

PHTHALATE ESTERS
Quantitative Image Cytometry of Hepatocytes Expressing Gamma-Glutamyl Transpeptidase and Glutathione S-Transferase in Diethylnitrosamine-Initiated Rats Treated with Phenobarbitol and/or Phthalate Esters.
PB92-227586/REB 92-04 PC **A03**/MF **A01**

PHTHALIC ACID ESTERS
Drinking Water Criteria Document for Phthalic Acid Esters (PAES).
PB92-173442/REB 92-01 PC **A14**/MF **A03**

PHYCOVIRUSES
Practical Directory to Phycovirus Literature.
PB92-132893/REB 92-01 PC **A03**/MF **A01**

PHYSICOCHEMICAL PROPERTIES
Physical Property Data on Fluorinated Propanes and Butanes as CFC and HCFC Alternatives.
PB92-206507/REB 92-04 PC **A03**/MF **A01**

PHYSIOLOGY
Use of Perifusion to Evaluate Hormonal Release In vitro from Rat Pituitary and Hypothalamic Tissue.
PB92-158534/REB 92-01 PC **A03**/MF **A01**

Collection of Interstitial Fluid and Seminiferous Tubule Fluid from the Rat Testis.
PB92-179084/REB 92-01 PC **A03**/MF **A01**

Applications of a Neurobehavioral Screening Battery.
PB92-179787/REB 92-01 PC **A03**/MF **A01**

PICLORAM
Drinking Water Criteria Document for Picloram.
PB92-173467/REB 92-01 PC **A04**/MF **A01**

PIGEON RIVER
Water Quality Model for a River Receiving Paper Mill Effluents and Conventional Sewage.
PB92-195643/REB 92-01 PC **A03**/MF **A01**

PIGEON RIVER ALLOCATION MODEL
Water Quality Model for a River Receiving Paper Mill Effluents and Conventional Sewage.
PB92-195643/REB 92-01 PC **A03**/MF **A01**

PILOT COLUMNS
Use of Pilot Columns for Predicting Full-Scale GAC Performance.
PB92-179159/REB 92-01 PC **A03**/MF **A01**

PILOT PROGRAMS
Regional Pilots and Applications of Superfund Accelerated Cleanup Model (SACM).
PB92-963273/REB 92-04 PC **A01**/MF **A01**

PINE TREES
Ozone Decreases Spring Root Growth and Root Carbohydrate Content in Ponderosa Pine the Year Following Exposure.
PB92-144039/REB 92-01 PC **A02**/MF **A01**

PIPELINES
Liquid and Gaseous Fuel Distribution System.
PB92-115203/REB 92-01 PC **A03**/MF **A01**

Acoustic Location of Leaks in Pressurized Underground Petroleum Pipelines.
PB92-207687/REB 92-04 PC **A04**/MF **A01**

PITUITARY HORMONES
Influence of Chlordimeform on Alpha-Adrenergic Receptor-Associated Mechanisms of Hormonal Regulation in the Rat: Pituitary and Adrenocortical Secretion.
PB92-143908/REB 92-01 PC **A03**/MF **A01**

Effect of Inhaled Methanol on Pituitary and Testicular Hormones in Chamber Acclimated and Non-Acclimated Rats.
PB92-150788/REB 92-01 PC **A03**/MF **A01**

Use of Perifusion to Evaluate Hormonal Release In vitro from Rat Pituitary and Hypothalamic Tissue.
PB92-158534/REB 92-01 PC **A03**/MF **A01**

PLAINS (GEORGIA)

Field Testing Pesticide Transport Models at a Cooperative Test Site Near Plains, Georgia.
PB92-150473/REB 92-01 PC **A02**/MF **A01**

Preliminary Results of a Pesticide Leaching Study at Plains, Georgia.
PB92-166354/REB 92-01 PC **A02**/MF **A01**

PLANT DISEASES

Foliar Injury Symptoms and Pigment Concentrations in Red Spruce Saplings in the Southern Appalachians.
PB92-113216/REB 92-01 PC **A02**/MF **A01**

Preparation and Regeneration of Protoplasts of 'Colletotrichum gloeosporioides' f. p. 'Aeschynomene'.
PB92-195734/REB 92-01 PC **A02**/MF **A01**

Healthy Lawn, Healthy Environment. Caring for Your Lawn in an Environmentally Friendly Way.
PB92-233899/REB 92-04 PC **A03**/MF **A01**

PLANT GROWTH

Potential Impacts of Increased Solar UV-B on Global Plant Productivity.
PB92-180223/REB 92-01 PC **A03**/MF **A01**

PLANT PHYSIOLOGY

Two Different Approaches for Control and Measurement of Plant Functions in Closed Environmental Chambers.
PB92-108067/REB 92-01 PC **A03**/MF **A01**

Stress Interactions and Mycorrhizal Plant Response: Understanding Carbon Allocation Priorities.
PB92-144054/REB 92-01 PC **A03**/MF **A01**

PLANT VIRUSES

Practical Directory to Phycovirus Literature.
PB92-132893/REB 92-01 PC **A03**/MF **A01**

PLANTS (BOTANY)

Two Different Approaches for Control and Measurement of Plant Functions in Closed Environmental Chambers.
PB92-108067/REB 92-01 PC **A03**/MF **A01**

Plant Tier Testing: A Workshop to Evaluate Nontarget Plant Testing in Subdivision J Pesticide Guidelines. Held in Corvallis, Oregon on November 29-December 1, 1990.
PB92-116052/REB 92-01 PC **A12**/MF **A03**

Application of a Plant Test System in the Identification of Potential Genetic Hazards at Chemical Waste Sites.
PB92-124551/REB 92-01 PC **A03**/MF **A01**

Practical Directory to Phycovirus Literature.
PB92-132893/REB 92-01 PC **A03**/MF **A01**

Modellierung und Simulation des Verhaltens von Umweltchemikalien in Boeden und Pflanzen (Modeling and Simulation of the Effect of (Environmental) Chemicals in Soil and in Plants).
PB92-143825/REB 92-01 PC **A02**/MF **A01**

Bioavailability to Plants of Sludge-Borne Toxic Organics.
PB92-153931/REB 92-01 PC **A03**/MF **A01**

Use of Marsh Plants for Toxicity Testing of Water and Sediment.
PB92-195682/REB 92-01 PC **A03**/MF **A01**

Higher Plant Accumulation of Organic Pollutants from Soils.
PB92-209378/REB 92-04 PC **A07**/MF **A02**

Protecting Endangered Species: Interim Measures, Franklin County, Tennessee.
PB92-231091/REB 92-04 PC **A01**/MF **A01**

PLANTS REPRODUCTION

Effects of Glean, a Sulfonylurea Herbicide, on the Reproductive Biology and Fruit Set in Cherry Trees. Progress Report to Region 10.
PB92-142652/REB 92-01 PC **A03**/MF **A01**

PLASMA FURNACES

Technology Evaluation Report of Retech, Inc., Plasma Centrifugal Furnace. Volume 1.
PB92-216035/REB 92-04 PC **A09**/MF **A02**

Technology Evaluation Report of Retech, Inc., Plasma Centrifugal Furnace. Volume 2.
PB92-216043/REB 92-04 PC **A15**/MF **A03**

Retech, Inc., Plasma Centrifugal Furnace: Applications Analysis Report.
PB92-218791/REB 92-04 PC **A04**/MF **A01**

PLASMIDS

Estimating the Rate of Plasmid Transfer: An End-Point Method.
PB92-129626/REB 92-01 PC **A02**/MF **A01**

Cloning and Characterization of tfdS, the Repressor-Activator Gene of tfdB, from the 2,4-Dichlorophenoxyacetic Acid Catabolic Plasmid pJP4.
PB92-129634/REB 92-01 PC **A02**/MF **A01**

Heterotrophic Bacteria of the Freshwater Neuston and Their Ability to Act as Plasmid Recipients under Nutrient Deprived Conditions.
PB92-129766/REB 92-01 PC **A03**/MF **A01**

PLASTICS

Lignocellulosic-Plastic Composites from Recycled Materials.
PB92-126861/REB 92-01 PC **A03**/MF **A01**

PLASTICS INDUSTRY

Production of Acetal, Amino, and Phenolic Resins.
PB92-213263/REB 92-04 PC **A08**/MF **A02**

PLASTICS RECYCLING

Ten Year Review of Plastics Recycling.
PB92-153402/REB 92-01 PC **A03**/MF **A01**

PLATINUM GASAVER

Emissions and Fuel Economy Effects of the Platinum Gasaver, a Retrofit Device.
PB92-104421/REB 92-01 PC **A03**/MF **A01**

PLATINUM GASAVERS

Second EPA Evaluation of the Platinum Gasaver Device under Section 511 of the Motor Vehicle Information and Cost Savings Act (Updated).
PB92-104413/REB 92-01 PC **A03**/MF **A01**

PLOIDIES

Polyploidy Induction as a Consequence of Topoisomerase Inhibition. A Flow Cytometric Assessment.
PB92-143866/REB 92-01 PC **A03**/MF **A01**

PLUMES

Fluid Modeling Simulation of Stack-Tip Downwash for Neutrally Buoyant Plumes.
PB92-166644/REB 92-01 PC **A03**/MF **A01**

Chemical and Physical Properties of Emissions from Kuwait Oil Fires.
PB92-206481/REB 92-04 PC **A03**/MF **A01**

Probability of Plume Interception Using Conditional Simulation of Hydraulic Head and Inverse Modeling.
PB92-227404/REB 92-04 PC **A03**/MF **A01**

PLUTONIUM

Determination of alpha-emitting nuclides of plutonium, americium and curium in environmental materials: Pt. 1. Sea water.
DE92614732/REB 92-01 PC **A03**/MF **A01**

POECILIA

Induction of Cytochrome P-450-IA1 in Juvenile Fish by Creosote-Contaminated Sediment.
PB92-129790/REB 92-01 PC **A02**/MF **A01**

POISING CAPACITY

Oxidation-Reduction Capacities of Aquifer Solids.
PB92-110410/REB 92-01 PC **A02**/MF **A01**

POLLUTION

Dealing with Toxic Polluted Sediments in the Great Lakes Basin.
AD-P006 908/8/REB 92-04 PC **A03**/MF **A01**

Predicting Chemical Reactivity by Computer.
PB92-124312/REB 92-01 PC **A03**/MF **A01**

EPA Journal Holdings Report, 1991.
PB92-132810/REB 92-01 PC **A12**/MF **A03**

Handbook for Special Public Notification for Lead for Public Drinking Water Suppliers.
PB92-164722/REB 92-01 PC **A04**/MF **A01**

Peer Review Workshop Report on a Framework for Ecological Risk Assessment.
PB92-213198/REB 92-04 PC **A06**/MF **A02**

EPA Journal Holdings Report, 1992.
PB92-217728/REB 92-04 PC **A12**/MF **A03**

POLLUTION ABATEMENT

Degreaser System Pollution Prevention Evaluation.
AD-A242 110/5/REB 92-01 PC **A06**/MF **A02**

Guides to Pollution Prevention: The Pharmaceutical Industry.
PB92-100080/REB 92-01 PC **A05**/MF **A01**

Waste Minimization Assessment for a Manufacturer of Refurbished Railcar Bearing Assemblies.
PB92-104348/REB 92-01 PC **A01**/MF **A01**

Waste Minimization Assessment for a Manufacturer of Prototype Printed Circuit Boards.
PB92-104355/REB 92-01 PC **A01**/MF **A01**

Waste Minimization Assessment for a Manufacturer of Speed Reduction Equipment.
PB92-104363/REB 92-01 PC **A01**/MF **A01**

Waste Minimization Assessment for a Manufacturer of Printed Labels.
PB92-104371/REB 92-01 PC **A02**/MF **A01**

Running a Conference as a Clean Product. International Conference on Pollution Prevention: Clean Technologies and Clean Products. Held in Washington, DC. on June 10-13, 1990.
PB92-109099/REB 92-01 PC **A03**/MF **A01**

Evaluation of Five Waste Minimization Technologies at the General Dynamics Pomona Division Plant.
PB92-125756/REB 92-01 PC **A04**/MF **A01**

Guides to Pollution Prevention: The Photoprocessing Industry.
PB92-129121/REB 92-01 PC **A04**/MF **A01**

Guides to Pollution Prevention: The Automotive Refinishing Industry.
PB92-129139/REB 92-01 PC **A04**/MF **A01**

Achievements in Source Reduction and Recycling for Ten Industries in the United States.
PB92-137470/REB 92-01 PC **A04**/MF **A01**

Alaska North Slope Oil-Field Restoration Research Strategy.
PB92-151653/REB 92-01 PC **A04**/MF **A01**

Pollution Prevention Methods in the Surface Coating Industry.
PB92-153337/REB 92-01 PC **A03**/MF **A01**

Waste Minimization for Non-Agricultural Pesticide Applicators: EPA's Pollution Prevention Guide.
PB92-153774/REB 92-01 PC **A02**/MF **A01**

Pollution Prevention Case Studies Compendium.
PB92-180165/REB 92-01 PC **A06**/MF **A02**

Asia Pacific Cleaner Production Conference: Cooperative Approaches in Minimising Hazardous Wastes. Held in Melbourne, Australia on February 24-27, 1992.
PB92-180173/REB 92-01 PC **A02**/MF **A01**

Asia Pacific Cleaner Production Conference: International Legislative Trends. Held in Melbourne, Australia on February 24-27, 1992.
PB92-180181/REB 92-01 PC **A02**/MF **A01**

Waste Minimization Assessment for a Manufacturer of Automotive Air Conditioning Condensers and Evaporators.
PB92-188739/REB 92-01 PC **A02**/MF **A01**

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PB92-188747/REB 92-01 PC **A02**/MF **A01**

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PB92-216985/REB 92-04 PC **A06**/MF **A02**

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PB92-217272/REB 92-04 PC **A01**/MF **A01**

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BEN: A Model to Calculate the Economic Benefit of Noncompliance. User's Manual.
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Automated Aqueous Rotary Washer for the Metal Finishing Industry. Technology Evaluation Report.
PB92-232214/REB 92-04 PC **A04**/MF **A01**

RCRA, Superfund Monthly Hot Line Reports.
PB92-922400/REB 92-01 Subscription$96.00

National Oil and Hazardous Substances Pollution Contingency Plan (The NCP).
PB92-963261/REB 92-01 PC **A15**/MF **A03**

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PB91-220376/REB 92-01 PC **A04**/MF **A01**

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PB91-921566/REB 92-01 PC **A03**/MF **A01**

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PB92-162551/REB 92-01 PC **A09**/MF **A02**

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PB92-182518/REB 92-04 PC **E99**

Background Document for the Liquid Release Test: Single Laboratory Evaluation and 1988 Collaborative Study.
PB92-183201/REB 92-04 PC **A06**/MF **A02**

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PB92-183284/REB 92-04 PC **A04**/MF **A01**

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PB92-190156/REB 92-01 PC **A04**/MF **A01**

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PB92-963252/REB 92-01 PC **A05**/MF **A01**

National Priorities List Sites Set (1991).
PB92-963253/REB 92-01 PC **E99**/MF **E99**

Superfund: Reporting on Cleanup Activities through Environmental Indicators. FY 1991 Update.
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PB92-963257/REB 92-01 PC **A02**/MF **A01**

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PB92-963258/REB 92-01 PC **A01**/MF **A01**

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PB92-963265/REB 92-01 PC **A03**/MF **A01**

Superfund Progress - Aficionado's Version (Progress as of March 31, 1992).
PB92-963267/REB 92-01 PC **A03**/MF **A01**

Contracting and Subcontracting Guide to the Superfund Program.
PB92-963274/REB 92-04 PC **Free**

Superfund Program Implementation Manual, Fiscal Year 1993. Volumes 1 and 2.
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PB92-963333/REB 92-01 PC **A04**/MF **A01**

Risk Assessment Guidance for Superfund. Volume 1. Human Health Evaluation Manual (Part C, Risk Evaluation of Remedial Alternatives).
PB92-963334/REB 92-01 PC **A05**/MF **A01**

ECO Update: Ecological Assessment of Superfund Sites. An Overview. Volume 1, Number 2, December 1991.
PB92-963335/REB 92-01 PC **A02**/MF **A01**

Homeowners Exempted from Superfund Cleanup Costs: National Policy Overview.
PB92-963336/REB 92-01 PC **A01**/MF **A01**

ECO Update: The Role of BTAGs in Ecological Assessment. Volume 1, Number 1, September 1991.
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Estimating Potential for Occurrence of DNAPL at Superfund Sites.
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PB92-963823/REB 92-04 PC **A05/MF A01**

Superfund Record of Decision (EPA Region 2): Conklin Dumps, Broome County, Conklin, NY. (First Remedial Action), March 1991.
PB92-963824/REB 92-04 PC **A07/MF A02**

Superfund Record of Decision (EPA Region 2): Curcio Scrap Metal, Bergen County, Saddle Brook, NJ. (First Remedial Action), June 1991.
PB92-963825/REB 92-04 PC **A06/MF A02**

Superfund Record of Decision (EPA Region 2): Warwick Landfill, Town of Warwick, Orange County, NY. (First Remedial Action), June 1991.
PB92-963826/REB 92-04 PC **A06/MF A02**

Superfund Record of Decision (EPA Region 2): Sinclair Refinery, Allegany County, Wellsville, NY. (Second Remedial Action), September 1991.
PB92-963827/REB 92-04 PC **A06/MF A02**

Superfund Record of Decision (EPA Region 2): Fibers Public Supply Wells, Guayama, PR. (First Remedial Action), September 1991.
PB92-963828/REB 92-04 PC **A06/MF A02**

Superfund Record of Decision (EPA Region 2): White Chemical Corporation, Essex County, Newark, NJ. (First Remedial Action), September 1991.
PB92-963829/REB 92-04 PC **A03/MF A01**

Superfund Record of Decision (EPA Region 2): Circuitron Corporation, East Farmingdale, Suffolk County, NY. (First Remedial Action), March 1991.
PB92-963830/REB 92-04 PC **A05/MF A01**

Superfund Record of Decision (EPA Region 2): Juncos Landfill, Juncos, PR. (First Remedial Action), September 1991.
PB92-963831/REB 92-04 PC **A05/MF A02**

Superfund Record of Decision (EPA Region 2): Swope Oil and Chemical Company, Pennsauken Township, Camden County, NJ. (Second Remedial Action), September 1991.
PB92-963833/REB 92-04 PC **A07/MF A02**

Superfund Record of Decision (EPA Region 2): Garden State Cleaners, Buena Borough, Atlantic County, NJ. (First Remedial Action), September 1991.
PB92-963834/REB 92-04 PC **A04/MF A01**

Superfund Record of Decision (EPA Region 3): Mid-Atlantic Wood Preservers, Harmans, Anne Arundel County, MD. (First Remedial Action), December 1990.
PB92-963901/REB 92-01 PC **A04/MF A01**

Superfund Record of Decision (EPA Region 3): Publicker/Cuyahoga Wrecking Plant, PA. (Second Remedial Action), June 1991.
PB92-963902/REB 92-01 PC **A03/MF A01**

Superfund Record of Decision (EPA Region 3): Resin Disposal, Jefferson Borough, Allegheny County, PA. (First Remedial Action), June 1991.
PB92-963903/REB 92-01 PC **A04/MF A01**

Superfund Record of Decision (EPA Region 3): Cryo-Chem Site, Earl Township, Berks County, PA. (Third Remedial Action), September 1991.
PB92-963908/REB 92-01 PC **A05/MF A01**

Superfund Record of Decision (EPA Region 3): USA Aberdeen, Michaelsville, MD. (First Remedial Action), September 1991.
PB92-963909/REB 92-01 PC **A03/MF A01**

Superfund Record of Decision (EPA Region 3): USA Letterkenny - PDO, Chambersburg, PA. (First Remedial Action), August 1991.
PB92-963910/REB 92-01 PC **A03/MF A01**

Superfund Record of Decision (EPA Region 3): USA Letterkenny - Southeastern Area, Chambersburg, PA. (First Remedial Action), August 1991.
PB92-963911/REB 92-01 PC **A04/MF A01**

Superfund Record of Decision (EPA Region 3): Whitmoyer Laboratories (Operable Unit 2), Lebanon County, PA. (Second Remedial Action), December 1990.
PB92-963912/REB 92-01 PC **A05/MF A01**

Superfund Record of Decision (EPA Region 3): Strasburg Landfill, Newlin Township, Chester County, PA. (Second Remedial Action), June 1991.
PB92-963913/REB 92-01 PC **A04/MF A01**

Superfund Record of Decision (EPA Region 3): Halby Chemical, Wilmington, New Castle County, DE. (First Remedial Action), June 1991.
PB92-963914/REB 92-01 PC **A06/MF A02**

Superfund Record of Decision (EPA Region 3): Brodhead Creek, Stroudsburg, PA. (First Remedial Action), March 1991.
PB92-963915/REB 92-01 PC **A06/MF A02**

Superfund Record of Decision (EPA Region 3): USA Aberdeen Proving Ground, Edgewood, MD. (First Remedial Action), September 1991.
PB92-963916/REB 92-01 PC **A05/MF A01**

Superfund Record of Decision (EPA Region 3): Heleva Landfill Site, Lehigh County, PA. (First Remedial Action), (Amendment), September 1991.
PB92-963917/REB 92-01 PC **A03/MF A01**

Superfund Record of Decision (EPA Region 3): Industrial Drive Operable Unit 2, Williams Township, PA. (Second Remedial Action), March 1991.
PB92-963918/REB 92-01 PC **A05/MF A01**

Superfund Record of Decision (EPA Region 3): NCR Corporation (Millsboro Plant), Sussex County, Millsboro, DE. (First Remedial Action), August 1991.
PB92-963919/REB 92-01 PC **A05/MF A01**

Superfund Record of Decision (EPA Region 3): AVCO Lycoming-Williamsport Division, Lycoming County, Williamsport, PA. (First Remedial Action), June 1991.
PB92-963920/REB 92-01 PC **A05/MF A01**

Superfund Record of Decision (EPA Region 3): William Dick Lagoons, West Caln Township, Chester County, PA. (First Remedial Action), June 1991.
PB92-963921/REB 92-04 PC **A07/MF A02**

Superfund Record of Decision (EPA Region 3): Havertown PCP (Pentachlorophenol), Haverford Township, Delaware County, PA. (Second Remedial Action), September 1991.
PB92-963922/REB 92-04 PC **A06/MF A02**

Superfund Record of Decision (EPA Region 3): Sealand Limited Site, Mt. Pleasant, DE. (First Remedial Action), September 1991.
PB92-963923/REB 92-04 PC **A03/MF A01**

Superfund Record of Decision (EPA Region 3): First Piedmont Rock Quarry/Route 719 Site, Danville, VA. (First Remedial Action), June 1991.
PB92-963924/REB 92-04 PC **A04/MF A01**

Superfund Record of Decision (EPA Region 3): Arrowhead Associates/Scovill, Montross, VA. (First Remedial Action), September 1991.
PB92-963925/REB 92-04 PC **A05/MF A01**

Superfund Record of Decision (EPA Region 3): Whitmoyer Laboratories (Operable Unit 3), Lebanon County, PA. (Third Remedial Action), December 1990.
PB92-963926/REB 92-04 PC **A05/MF A01**

Superfund Record of Decision (EPA Region 3): Saunders Supply Company, Chuckatuck, VA. (First Remedial Action), September 1991.
PB92-963927/REB 92-04 PC **A04/MF A01**

Superfund Record of Decision (EPA Region 3): Old City of York Landfill, Springfield Township, York County, PA. (First Remedial Action), September 1991.
PB92-963928/REB 92-04 PC **A05/MF A01**

Superfund Record of Decision (EPA Region 3): Dixie Caverns County Landfill, Roanoke County, VA. (First Remedial Action), September 1991.
PB92-963929/REB 92-04 PC **A03/MF A01**

Superfund Record of Decision (EPA Region 3): Greenwood Chemical Site, Operable Unit 2, Newtown, VA. (Second Remedial Action), December 1990.
PB92-963930/REB 92-04 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 3): Modern Sanitation Landfill, Windsor and Lower Windsor Townships, York County, PA. (First Remedial Action), June 1991.
PB92-963931/REB 92-04 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 3): McAdoo Associates, (Operable Unit 2), Schuylkill County, PA. (Third Remedial Action), September 1991.
PB92-963932/REB 92-04 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 3): Eastern Diversified Metals, Schuylkill County, PA. (First Remedial Action), March 1991.
PB92-963933/REB 92-04 PC **A05**/MF **A01**

Superfund Record of Decision (EPA Region 4): Hercules 009 Landfill Site, Brunswick, Glynn County, GA. (First Remedial Action), June 1991.
PB92-964001/REB 92-01 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 4): USAF Robins Air Force Base, Warner Robins, Houston County, GA. (First Remedial Action), June 1991.
PB92-964002/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 4): Monsanto Superfund Site, Augusta, GA. (First Remedial Action), December 1990.
PB92-964003/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 4): Tri-City Industrial Disposal Site, Bullitt County, Brooks, KY. (First Remedial Action), August 1991.
PB92-964004/REB 92-01 PC **A14**/MF **A03**

Superfund Record of Decision (EPA Region 4): Aberdeen Pesticide Dumps, Moore County, Aberdeen, NC. (First Remedial Action), (Amendment), September 1991.
PB92-964005/REB 92-01 PC **A07**/MF **A02**

Superfund Record of Decision (EPA Region 4): Smith's Farm Site (First Operable Unit), Bullitt County, Brooks, KY. (First Remedial Action), (Amendment), September 1991.
PB92-964006/REB 92-01 PC **A10**/MF **A03**

Superfund Record of Decision (EPA Region 4): Petroleum Products Corporation Site, Operable Unit 1, Pembroke Park, Broward County, FL. (First Remedial Action), October 1990.
PB92-964007/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 4): Sangamo/Twelve-Mile Creek, Lake Hartwell PCB Contamination Site, Pickens, SC. (First Remedial Action), December 1990.
PB92-964008/REB 92-01 PC **A11**/MF **A03**

Superfund Record of Decision (EPA Region 4): Medley Farms, Cherokee County, Gaffney, SC. (First Remedial Action), May 1991.
PB92-964009/REB 92-01 PC **A09**/MF **A02**

Superfund Record of Decision (EPA Region 4): USA Anniston Army Depot, (Groundwater Operable Unit), Calhoun County, Anniston, AL. (First Remedial Action), September 1991.
PB92-964010/REB 92-01 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 4): Wrigley Charcoal Site, Hickman County, Wrigley, TN. (First Remedial Action), September 1991.
PB92-964011/REB 92-01 PC **A08**/MF **A02**

Superfund Record of Decision (EPA Region 4): Oak Ridge Reservation (USDOE), (Operable Unit 4), Roane County, Oak Ridge, TN. (Third Remedial Action), September 1991.
PB92-964012/REB 92-01 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 4): Oak Ridge Reservation (USDOE), (Operable Unit 2), Oak Ridge, TN. (First Remedial Action), June 1991.
PB92-964013/REB 92-01 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 4): Arlington Blending and Packaging, Shelby County, Arlington, TN. (First Remedial Action), June 1991.
PB92-964014/REB 92-04 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 4): Maxey Flats Nuclear Disposal Site, Fleming County, KY. (First Remedial Action), September 1991.
PB92-964015/REB 92-04 PC **A09**/MF **A03**

Superfund Record of Decision (EPA Region 4): Interstate Lead (ILCO), Jefferson County, Leeds, AL. (First Remedial Action), September 1991.
PB92-964016/REB 92-04 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 4): Carolina Transformer Site, Cumberland County, Fayetteville, NC. (First Remedial Action), August 1991.
PB92-964017/REB 92-04 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 4): Golden Strip Septic Tank, Greenville County, Simpsonville, SC. (First Remedial Action), September 1991.
PB92-964018/REB 92-04 PC **A14**/MF **A03**

Superfund Record of Decision (EPA Region 4): Sherwood Medical Industries, Volusia County, Deland, FL. (First Remedial Action), March 1991.
PB92-964019/REB 92-04 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 4): Velsicol Chemical, (First Operable Unit), Toone, TN. (First Remedial Action), June 1991.
PB92-964020/REB 92-04 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 4): Ciba-Geigy, Washington County, McIntosh, AL. (Second Remedial Action), September 1991.
PB92-964021/REB 92-04 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 4): Oak Ridge Reservation (USDOE), (Operable Unit 3), Anderson County, Oak Ridge, TN. (Second Remedial Action), September 1991.
PB92-964022/REB 92-04 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 4): Charles Macon Lagoon and Drum Storage, Richmond County, Cordova, NC. (First Remedial Action), September 1991.
PB92-964023/REB 92-04 PC **A07**/MF **A02**

Superfund Record of Decision (EPA Region 5): Acme Solvent Reclaiming, Winnebago County, IL. (Second Remedial Action), December 1990.
PB92-964101/REB 92-01 PC **A05**/MF **A02**

Superfund Record of Decision (EPA Region 5): Oak Grove Sanitary Landfill, Anoka County, MN. (Second Remedial Action), December 1990.
PB92-964102/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 5): Organic Chemicals, Grandville, MI. (First Remedial Action), September 1991.
PB92-964103/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 5): Novaco Industries, MI. (First Remedial Action), (Amendment), September 1991.
PB92-964104/REB 92-01 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 5): Rasmussen's Dump Site, Green Oak Township, Livingston County, MI. (First Remedial Action), March 1991.
PB92-964105/REB 92-01 PC **A09**/MF **A02**

Superfund Record of Decision (EPA Region 5): G and H Industrial Landfill Site, Macomb County, MI. (First Remedial Action), December 1990.
PB92-964106/REB 92-01 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 5): Main Street Well Field, Elkhart, IN. (Second Remedial Action), March 1991.
PB92-964107/REB 92-01 PC **A05**/MF **A01**

Superfund Record of Decision (EPA Region 5): Folkertsma Refuse Site, Walker, MI. (First Remedial Action), June 1991.
PB92-964108/REB 92-01 PC **A05**/MF **A01**

Superfund Record of Decision (EPA Region 5): Conrail Railyard, Elkhart County, IN. (First Remedial Action), June 1991.
PB92-964109/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 5): Verona Well Field Site, Battle Creek, MI. (Second Remedial Action), June 1991.
PB92-964110/REB 92-01 PC **A08**/MF **A02**

Superfund Record of Decision (EPA Region 5): Fadrowski Drum Disposal Site, Franklin, WI. (First Remedial Action), June 1991.
PB92-964111/REB 92-01 PC **A05**/MF **A01**

Superfund Record of Decision (EPA Region 5): Motor Wheel Disposal Site, Lansing, MI. (First Remedial Action), September 1991.
PB92-964112/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 5): Washington County Landfill, Lake Elmo, MN. (Second Remedial Action), November 1990.
PB92-964113/REB 92-01 PC **A05**/MF **A01**

Superfund Record of Decision (EPA Region 5): Anderson Development Company Site, Lenawee County, Adrian, MI. (First Remedial Action), (Amendment), September 1991.
PB92-964114/REB 92-01 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 5): Allied Chemical and Ironton Coke, Ironton, OH. (Second Remedial Action), December 1990.
PB92-964115/REB 92-01 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 5): Enviro-Chem (Northside Sanitary Landfill), Zionsville, IN. (First Remedial Action), (Amendment), June 1991.
PB92-964116/REB 92-01 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 5): Northside Sanitary Landfill (Enviro-Chem), Zionsville, IN. (First Remedial Action), (Amendment), June 1991.
PB92-964117/REB 92-01 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 5): Summit National Liquid Disposal Service, Deerfield, OH. (First Remedial Action), (Amendment), November 1990.
PB92-964118/REB 92-01 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 5): Pine Bend Sanitary Landfill, Dakota County, City of Inver Grove Heights, MN. (First Remedial Action), September 1991.
PB92-964119/REB 92-01 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 5): Pagel's Pit Site, Winnebago County, IL. (First Remedial Action), June 1991.
PB92-964120/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 5): MacGillis and Gibbs/Bell Lumber and Pole Co., New Brighton, MN. (First Remedial Action), September 1991.
PB92-964121/REB 92-01 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 5): Zanesville Well Field Site, Zanesville, OH. (First Remedial Action), September 1991.
PB92-964122/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 5): Buckeye Reclamation Landfill Site, Belmont County, OH. (First Remedial Action), August 1991.
PB92-964123/REB 92-04 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 5): Lemberger Transport and Recycling, Manitowoc County, WI. (First Remedial Action), September 1991.
PB92-964124/REB 92-04 PC **A05**/MF **A01**

Superfund Record of Decision (EPA Region 5): U.S. DOI Sangamo/Crab Orchard National Wildlife Refuge, Carterville, IL. (First Remedial Action), March 1990.
PB92-964125/REB 92-04 PC **A05**/MF **A02**

Superfund Record of Decision (EPA Region 5): Carter Industrials Site, Detroit, MI. (First Remedial Action), September 1991.
PB92-964126/REB 92-04 PC **A08**/MF **A02**

Superfund Record of Decision (EPA Region 5): Ossineke Groundwater Contamination Site, Alpena County, Ossineke, MI. (First Remedial Action), June 1991.
PB92-964127/REB 92-04 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 5): Stoughton City Landfill Site, Stoughton, WI. (First Remedial Action), September 1991.
PB92-964128/REB 92-04 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 5): National Presto Industries, Eau Claire, WI. (Second Remedial Action), September 1991.
PB92-964129/REB 92-04 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 5): South Macomb Disposal No. 9 and 9A, Macomb County, MI. (First Remedial Action), August 1991.
PB92-964130/REB 92-04 PC **A05**/MF **A01**

Superfund Record of Decision (EPA Region 5): Fultz Landfill, Byesville, OH. (First Remedial Action), September 1991.
PB92-964131/REB 92-04 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 5): Berlin and Farro Site, Swartz Creek, MI. (First Remedial Action), September 1991.
PB92-964132/REB 92-04 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 5): Lemberger Landfill Site, Manitowoc County, WI. (First Remedial Action), September 1991.
PB92-964133/REB 92-04 PC **A05**/MF **A01**

Superfund Record of Decision (EPA Region 5): Michigan Disposal Service (Cork Street) Landfill, Kalamazoo, MI. (First Remedial Action), September 1991.
PB92-964134/REB 92-04 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 5): Thermo Chem Site, (Operable Unit 1), Muskegon County, MI. (First Remedial Action), September 1991.
PB92-964135/REB 92-04 PC **A05**/MF **A01**

Superfund Record of Decision (EPA Region 5): Sturgis Municipal Wells, Sturgis, MI. (First Remedial Action), September 1991.
PB92-964136/REB 92-04 PC **A08**/MF **A02**

Superfund Record of Decision (EPA Region 5): Dakhue Sanitary Landfill, Hampton Township, Dakota County, MN. (First Remedial Action), June 1991.
PB92-964137/REB 92-04 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 5): Chem-Central Site, Wyoming, MI. (First Remedial Action), September 1991.
PB92-964138/REB 92-04 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 5): Better Brite Plating Chrome and Zinc, De Pere, WI. (First Remedial Action), June 1991.
PB92-964139/REB 92-04 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 5): Kentwood Landfill, Kentwood, MI. (First Remedial Action), March 1991.
PB92-964140/REB 92-04 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 5): Southeast Rockford Groundwater Contamination, Rockford, IL. (First Remedial Action), June 1991.
PB92-964141/REB 92-04 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 6): Cimarron Mining Site, Operable Unit 2, Carrizozo, NM. (Second Remedial Action), September 1991.
PB92-964201/REB 92-01 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 6): Petro-Chemical (Turtle Bayou), Liberty County, TX. (Second Remedial Action), September 1991.
PB92-964202/REB 92-01 PC **A07**/MF **A02**

Superfund Record of Decision (EPA Region 7): People's Natural Gas Coal Gasification Site, Dubuque, IA. (First Remedial Action), September 1991.
PB92-964301/REB 92-01 PC **A05**/MF **A01**

Superfund Record of Decision (EPA Region 7): Ellisville Area Site, St. Louis County, Ellisville, MO. (First Remedial Action), (Amendment), September 1991.
PB92-964302/REB 92-01 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 7): Hastings Groundwater Contamination (Operable Unit 10), Hastings, NE. (Seventh Remedial Action), September 1991.
PB92-964303/REB 92-01 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 7): Hastings Ground Water Contamination (Operable Unit 1), Hastings, NE. (Second Remedial Action), September 1991.
PB92-964304/REB 92-04 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 7): Kem-Pest Laboratories Site, Cape Girardeau County, MO. (Second Remedial Action), December 1990.
PB92-964305/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 7): E.I. Dupont De Nemours (County Road X23), Lee County, West Point, IA. (First Remedial Action), May 1991.
PB92-964306/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 7): Lee Chemical Site, Liberty, MO. (First Remedial Action), March 1991.
PB92-964307/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 7): John Deere (Ottumwa Works Landfill), Ottumwa, IA. (First Remedial Action), September 1991.
PB92-964308/REB 92-04 PC **A05**/MF **A01**

Superfund Record of Decision (EPA Region 7): Shaw Avenue Dump Site, Charles City, Floyd County, IA. (First Remedial Action), September 1991.
PB92-964309/REB 92-04 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 7): Mid-America Tanning Site, Sergeant Bluff, IA. (First Remedial Action), September 1991.
PB92-964310/REB 92-04 PC **A07**/MF **A02**

Superfund Record of Decision (EPA Region 7): Lehigh Portland Cement Company, Mason City, IA. (First Remedial Action), June 1991.
PB92-964311/REB 92-04 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 7): Ellisville Area Site, St. Louis County, Ellisville, MO. (Second Remedial Action), September 1991.
PB92-964312/REB 92-04 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 8): Hill Air Force Base, Operable Unit 2, Chemical Disposal Pit 3, Site WP07, Davis and Weber Counties, UT. (First Remedial Action), September 1991.
PB92-964401/REB 92-01 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 8): Broderick Wood Products, Adams County, CO. (First Remedial Action), (Amendment), September 1991.
PB92-964402/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 8): Rocky Mountain Arsenal (Operable Unit 26), CO. (Tenth Remedial Action), September 1991.
PB92-964403/REB 92-04 PC **A09**/MF **A02**

Superfund Record of Decision (EPA Region 8): Anaconda Smelter Site, (Operable Unit 11 - Flue Dust), Deer Lodge County, Anaconda, MT. (Second Remedial Action), September 1991.
PB92-964404/REB 92-04 PC **A10**/MF **A03**

Superfund Record of Decision (EPA Region 8): Rocky Mountain Arsenal (Operable Unit 21), CO. (Ninth Remedial Action), June 1991.
PB92-964405/REB 92-04 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 8): Central City-Clear Creek Site, (Operable Unit 3), Clear Creek and Gilpin Counties, CO. (Third Remedial Action), September 1991.
PB92-964406/REB 92-04 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 8): Wasatch Chemical Site (Lot 6), Salt Lake City, UT. (First Remedial Action), March 1991.
PB92-964407/REB 92-04 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 8): Chemical Sales Site, (New Location), (Operable Unit 2), Adams County, CO. (Second Remedial Action), June 1991.
PB92-964408/REB 92-04 PC **A09**/MF **A03**

Superfund Record of Decision (EPA Region 8): Chemical Sales (New Location) (Operable Unit 1), Denver, CO. (First Remedial Action), June 1991.
PB92-964409/REB 92-04 PC **A09**/MF **A02**

Superfund Record of Decision (EPA Region 8): Chemical Sales, (New Location), (Operable Unit 3), Adams County, CO. (Third Remedial Action), June 1991.
PB92-964410/REB 92-04 PC **A09**/MF **A02**

Superfund Record of Decision (EPA Region 9): South Bay Asbestos Area, San Jose, CA. (First Remedial Action), (Amendment), June 1991.
PB92-964501/REB 92-01 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 9): National Semiconductor (Monolithic Memories), CA. (First Remedial Action), September 1991.
PB92-964502/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 9): Monolithic Memories (Advanced Micro Devices - Arques) (National Semiconductor), CA. (First Remedial Action), September 1991.
PB92-964503/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 9): Advanced Micro Devices 901, (Signetics), (TRW Microwave), Sunnyvale, CA. (First Remedial Action), September 1991.
PB92-964504/REB 92-04 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 9): Teledyne Semiconductor (Spectra Physics), Mountain View, CA. (First Remedial Action), March 1991.
PB92-964505/REB 92-01 PC **A05**/MF **A01**

Superfund Record of Decision (EPA Region 9): Van Waters and Rogers, San Jose, CA. (First Remedial Action), September 1991.
PB92-964506/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 9): Signetics (Advanced Micro Devices 901) (TRW Microwave), Sunnyvale, CA. (First Remedial Action), September 1991.
PB92-964507/REB 92-01 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 9): Castle Air Force Base, Merced County, CA. (First Remedial Action), August 1991.
PB92-964508/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 9): Indian Bend Wash Area (Operable Units 1, 4, 5, 6), AZ. (Second Remedial Action), September 1991.
PB92-964509/REB 92-01 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 9): Atlas Asbestos Mine, Fresno County, CA. (Second Remedial Action), February 1991.
PB92-964510/REB 92-01 PC **A07**/MF **A02**

Superfund Record of Decision (EPA Region 9): Micro Storage/Intel Magnetics, Santa Clara, CA. (First Remedial Action), August 1991.
PB92-964511/REB 92-04 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 9): FMC (Fresno Plant), Fresno, CA. (First Remedial Action), June 1991.
PB92-964512/REB 92-04 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 9): Synertek (Building No. 1), Santa Clara, CA. (First Remedial Action), June 1991.
PB92-964513/REB 92-04 PC **A07**/MF **A02**

Superfund Record of Decision (EPA Region 9): Mesa Area Ground Water Contamination, Mesa, AZ. (First Remedial Action), September 1991.
PB92-964514/REB 92-04 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 9): Sola Optical USA, Inc., Petaluma, CA. (First Remedial Action), September 1991.
PB92-964515/REB 92-04 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 9): CTS Printex Corporation, Mountain View, CA. (First Remedial Action), June 1991.
PB92-964516/REB 92-04 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 9): Valley Wood Preserving Site, Turlock, CA. (First Remedial Action), September 1991.
PB92-964517/REB 92-04 PC **A07**/MF **A02**

Superfund Record of Decision (EPA Region 9): TRW Microwave, (Advanced Micro Devices 901), (Signetics), Sunnyvale, CA. (First Remedial Action), September 1991.
PB92-964518/REB 92-04 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 9): Spectra-Physics, (Teledyne Semiconductor), Mountain View, CA. (First Remedial Action), March 1991.
PB92-964519/REB 92-04 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 9): Advanced Micro Devices 915, Sunnyvale, CA. (First Remedial Action), August 1991.
PB92-964520/REB 92-04 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 10): Bunker Hill Mining and Metallurgical Complex, Shoshone County, ID. (First Remedial Action), August 1991.
PB92-964601/REB 92-01 PC **A07**/MF **A02**

Superfund Record of Decision (EPA Region 10): Northwest Transformer-Mission Pole, Whatcom County, WA. (First Remedial Action), (Amendment), September 1991.
PB92-964602/REB 92-01 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 10): Bangor Naval Submarine Base, Site F (Operable Unit 2), Bangor, WA. (First Remedial Action), September 1991.
PB92-964603/REB 92-01 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 10): Commencement Bay-Nearshore/Tideflats (Operable Unit 7), Tacoma, WA. (Third Remedial Action), December 1990.
PB92-964604/REB 92-01 PC **A17**/MF **A04**

Superfund Record of Decision (EPA Region 10): American Lake Gardens (McChord AFB - Area D), Pierce County, WA. (First Remedial Action), September 1991.
PB92-964605/REB 92-04 PC **A05**/MF **A02**

Superfund Record of Decision (EPA Region 10): Union Pacific Railroad Yard, Bannock County, Pocatello, ID. (First Remedial Action), September 1991.
PB92-964606/REB 92-04 PC **A08**/MF **A02**

Superfund Record of Decision (EPA Region 10): Yakima Plating Facility, Yakima, WA. (First Remedial Action), September 1991.
PB92-964607/REB 92-04 PC **A05**/MF **A01**

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EPA SITE Demonstration of the Horsehead Resource Development Company Flame Reactor Technology.
PB92-139401/REB 92-01 PC **A02**/MF **A01**

POLLUTION LAWS

Compendium of CERCLA ARARs fact sheets and directives.
DE92004878/REB 92-01 PC **A12**/MF **A03**

Beyond the Border: Environmental Management in Washington and British Columbia.
PB92-166883/REB 92-01 PC **A08**/MF **A02**

Asia Pacific Cleaner Production Conference: International Legislative Trends. Held in Melbourne, Australia on February 24-27, 1992.
PB92-180181/REB 92-01 PC **A02**/MF **A01**

Environmental Laws and Regulations Relating to Medical Waste Disposal.
PB92-217249/REB 92-04 PC **A03**/MF **A01**

Enforcement in the 1990's Project: Recommendations of the Analytical Workgroups.
PB92-224286/REB 92-04 PC **A17**/MF **A04**

Emergency Planning and Community Right-to-Know Act: Section 313 Release Reporting Requirements.
PB92-226216/REB 92-04 PC **A03**/MF **A01**

OPA Q's and A's: Overview of the Oil Pollution Act of 1990.
PB92-963348/REB 92-01 PC **A02**/MF **A01**

POLLUTION PREVENTION

Guides to Pollution Prevention: The Marine Maintenance and Repair Industry.
PB91-228817/REB 92-01 PC **A04**/MF **A01**

Waste Minimization Assessment for a Manufacturer Producing Treated Wood Products.
PB92-196401/REB 92-04 PC **A01**/MF **A01**

POLLUTION REGULATIONS

Regulatory Impact Analysis for the Final Criteria for Municipal Solid Waste Landfills.
PB92-100841/REB 92-01 PC **A13**/MF **A03**

Addendum to the Regulatory Impact Analysis for the Final Criteria for Municipal Solid Waste Landfills.
PB92-100858/REB 92-01 PC **A03**/MF **A01**

Radionuclide Removal.
PB92-121284/REB 92-01 PC **A03**/MF **A01**

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PB92-122969/REB 92-01 PC **A04**/MF **A01**

Drinking Water Research Division's Research Activities in Support of EPA's Regulatory Agenda.
PB92-124197/REB 92-01 PC **A03**/MF **A01**

Guidelines for Asbestos NESHAP Demolition and Renovation Inspection Procedures.
PB92-132836/REB 92-01 PC **A07**/MF **A02**

PAST: The Potential ARARs Selection Tool.
PB92-152941/REB 92-01 PC **A02**/MF **A01**

VMT Forecasting and Tracking Guidance, Section 187.
PB92-164961/REB 92-01 PC **A03**/MF **A01**

Organic Contract Compliance Screening System. Software for the PC (OLM01.8 Version 2) (User Manual).
PB92-169564/REB 92-04 PC **A06**/MF **A02**

Procedures for Establishing Emissions for Early Reduction Compliance Extensions. Volume 1. Synthetic Organic Chemical Manufacturing, Ethylene Oxide Sterilization, and Chromium Electroplating.
PB92-176221/REB 92-01 PC **A05**/MF **A01**

Report to Congress on Ocean Dumping, 1987-1990.
PB92-188663/REB 92-01 PC **A04**/MF **A01**

ASTER: An Integration of the ACQUIRE Data Base and the QSAR System for Use in Ecological Risk Assessments.
PB92-198217/REB 92-04 PC **A02**/MF **A01**

EPA's Control Technology Center: Technical Support to Federal, State, and Local Agencies.
PB92-198233/REB 92-04 PC **A02**/MF **A01**

No Migration Variances to the Hazardous Waste Land Disposal Prohibitions: A Guidance Manual for Petitioners (July 1992).
PB92-207695/REB 92-04 PC **A05**/MF **A02**

Environmental Laws and Regulations Relating to Medical Waste Disposal.
PB92-217249/REB 92-04 PC **A03**/MF **A01**

Enforcement in the 1990's Project: Recommendations of the Analytical Workgroups.
PB92-224286/REB 92-04 PC **A17**/MF **A04**

Status Report: State Compliance with CWA Section 303(c)(2)(B) as of February 4, 1990.
PB92-231695/REB 92-04 PC **A05**/MF **A01**

Technical Support Manual: Waterbody Surveys and Assessments for Conducting Use Attainability Analyses.
PB92-231794/REB 92-04 PC **A10**/MF **A03**

Technical Support Manual: Waterbody Surveys and Assessments for Conducting Use Attainability Analyses. Volume 3: Lake Systems.
PB92-231802/REB 92-04 PC **A10**/MF **A03**

Technical Support Manual: Waterbody Surveys and Assessments for Conducting Use Attainability Analyses. Volume 2: Estuarine Systems.
PB92-231877/REB 92-04 PC **A09**/MF **A02**

Contaminants and Remedial Options at Wood Preserving Sites.
PB92-232222/REB 92-04 PC **A07**/MF **A02**

Organic Contract Compliance Screening System (OCCSS) Software (OLM01.8 Version 2) (for Microcomputers).
PB92-502202/REB 92-04 CP **D02**

Progress Toward Implementing Superfund, Fiscal Year 1990: A Report to the Congress.
PB92-963256/REB 92-01 PC **E05**/MF **A04**

Guide to Management of Investigation-Derived Wastes.
PB92-963353/REB 92-01 PC **A02**/MF **A01**

POLLUTION SOURCES

Asbestos Fiber Release during Change-Out of Filter Bags from HEPA-Filtered Vacuum Cleaners.
PB92-113208/REB 92-01 PC **A02**/MF **A01**

Mercury Deposition and Sources for the Upper Great Lakes Region.
PB92-120500/REB 92-01 PC **A03**/MF **A01**

Locating and Estimating Air Emissions from Sources of Styrene, Interim Report.
PB92-126788/REB 92-01 PC **A08**/MF **A02**

Documentation of AIRS AMS National Methodologies.
PB92-132869/REB 92-01 PC **A07**/MF **A02**

Identification and Characterization of Missing or Unaccounted for Area Source Categories.
PB92-139377/REB 92-01 PC **A15**/MF **A03**

NATO Workshop on the Atmospheric Methane Cycle. Held in Mt. Hood, Oregon on October 6-11, 1991. Working Group Report on Methane Sources and Sinks.
PB92-180256/REB 92-01 PC **A03**/MF **A01**

Human Exposure Model-II: User's Guide.
PB92-186246/REB 92-01 PC **A08**/MF **A02**

Documentation for Developing the Initial Source Category List.
PB92-218429/REB 92-04 PC **A16**/MF **A03**

Apportionment of Residential Indoor Aerosol, VOC, and Aldehyde Species to Indoor and Outdoor Sources, and Their Source Strengths.
PB92-227370/REB 92-04 PC **A02**/MF **A01**

POLLUTION TRANSPORT

Guideline for Regulatory Application of the Urban Airshed Model.
PB92-108760/REB 92-01 PC **A05**/MF **A01**

Status and Needs for Toxic Emission Inventories for Regional Dispersion and Deposition Modeling.
PB92-110394/REB 92-01 PC **A03**/MF **A01**

Performances of Lagrangian and Eulerian Transport and Diffusion Models across Continental Scales.
PB92-158500/REB 92-01 PC **A02**/MF **A01**

Fiscal Year 1991 Summary Report of NOAA Atmospheric Sciences Modeling Division Support to the U.S. Environmental Protection Agency.
PB92-217835/REB 92-04 PC **A05**/MF **A01**

POLYCHAETA

Effects of a Contaminated Sediment on Life History Traits and Population Growth Rate of 'Neanthes Arenaceodentata' (Polychaeta: Nereidae) in the Laboratory.
PB92-108059/REB 92-01 PC **A03**/MF **A01**

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Possible Approaches to Establishing Interlaboratory Comparability of Measurements of Polychlorinated Biphenyls in Human Serum.
PB92-144062/REB 92-01 PC **A02**/MF **A01**

POLYCHLORINATED BIPHENYLS

Determination and Occurrence of AHH-Active Polychlorinated Biphenyls, 2,3,7,8-Tetrachloro-p-Dioxin and 2,3,7,8-Tetrachlorodibenzofuran in Lake Michigan Sediment and Biota. The Question of Their Relative Toxicological Significance.
PB92-108125/REB 92-01 PC **A03**/MF **A01**

Fate of Polychlorinated Biphenyls (PCBs) in Soil Following Stabilization with Quicklime.
PB92-114487/REB 92-01 PC **A07**/MF **A02**

Workshop Report on Toxicity Equivalency Factors for Polychlorinated Biphenyl Congeners. Risk Assessment Forum.
PB92-114529/REB 92-01 PC **A05**/MF **A02**

Dechlorinations of Polychlorinated Biphenyls in Sediments of New Bedford Harbor.
PB92-121151/REB 92-01 PC **A03**/MF **A01**

Concentration and Transport of Polychlorinated Biphenyls in the Housatonic River between Great Barrington, Massachusetts, and Kent, Connecticut, 1984-88.
PB92-147719/REB 92-01 PC **A03**/MF **A01**

Polychlorinated Biphenyls.
PB92-223288/REB 92-04 PC **A09**/MF **A03**

Development Document for Proposed Effluent Limitations Guidelines and Standards for Control of Polychlorinated Biphenyls in the Deink Subcategory of the Pulp, Paper and Paperboard, Point Source Category.
PB92-231984/REB 92-04 PC **A05**/MF **A01**

POLYCHLORINATED DIBENZODIOXINS

Role of Gas-Phase Cl2 in the Formation of PCDD/PCDF during Waste Combustion.
PB92-121383/REB 92-01 PC **A02**/MF **A01**

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PB92-166677/REB 92-01 PC **A02**/MF **A01**

Chlorinated Dioxins and Furans in the General U.S. Population: NHATS FY87 Results.
PB92-180157/REB 92-01 PC **A12**/MF **A03**

Comparative Analysis of Dioxins and Furans in Ambient Air by High Resolution and Electron Capture Mass Spectrometry.
PB92-206440/REB 92-04 PC **A02**/MF **A01**

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Role of Gas-Phase Cl2 in the Formation of PCDD/PCDF during Waste Combustion.
PB92-121383/REB 92-01 PC **A02**/MF **A01**

Sampling and Analysis of PCDDs and PCDFs in Stationary Source Emission Air Samples.
PB92-166677/REB 92-01 PC **A02**/MF **A01**

Chlorinated Dioxins and Furans in the General U.S. Population: NHATS FY87 Results.
PB92-180157/REB 92-01 PC **A12**/MF **A03**

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PB92-206440/REB 92-04 PC **A02**/MF **A01**

POLYCHLOROBIPHENYL COMPOUNDS

Toxicity Equivalency Factors for PCBs.
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Limited PCB Antagonism of TCDD-Induced Malformations in Mice.
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Developmental Neurotoxicology of Polychlorinated Biphenyls and Related Compounds.
PB92-206549/REB 92-04 PC **A03**/MF **A01**

Effects of PCB (Aroclor (Trade Name) 1254) on Non-Specific Immune Parameters in Rhesus ('Macaca mulatta') Monkeys.
PB92-232667/REB 92-04 PC **A03**/MF **A01**

POLYCYCLIC AROMATIC HYDROCARBONS

Computational Studies of the 3-Dimensional Structure of Cyclopenta Polycyclic Aromatic Hydrocarbons Containing a Gulf Region.
PB92-150820/REB 92-01 PC **A03**/MF **A01**

POLYETHYLENE

Ductile-to-Brittle Transition Time in Polyethylene Geomembrane Sheet.
PB92-153758/REB 92-01 PC **A02**/MF **A01**

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PB92-217132/REB 92-04 PC **A03**/MF **A01**

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PB92-150531/REB 92-01 PC **A02**/MF **A01**

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Human Bronchial Epithelial Cell Strain with Unusual In vitro Growth Potential Which Undergoes Neoplastic Transformation after SV40 T Antigen Gene Transfection.
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Superfund Record of Decision (EPA Region 8): Wasatch Chemical Site (Lot 6), Salt Lake City, UT. (First Remedial Action), March 1991.
PB92-964407/REB 92-04 PC **A06**/MF **A02**

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Zooplankton Population Dynamics in Experimentally Toxified Pond Ecosystems.
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PB92-188903/REB 92-01 PC **A03**/MF **A01**

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Predicting the Toxicity of Bulk Sediments to Aquatic Organisms with Aqueous Test Fractions: Pore Water versus Elutriate.
PB92-150606/REB 92-01 PC **A02**/MF **A01**

Contribution of Ammonia, Metals and Nonpolar Organic Compounds to the Toxicity of Sediment Interstitial Water from an Illinois River Tributary.
PB92-150648/REB 92-01 PC **A03**/MF **A01**

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Evaluation of Sorption Models in the Simulation of Naphthalene Transport Through Saturated Soils.
PB92-113190/REB 92-01 PC **A02**/MF **A01**

Microbial Transport through Porpus Media: The Effects of Hydraulic Conductivity and Injection Velocity.
PB92-150465/REB 92-01 PC **A03**/MF **A01**

Multiphase Chemical Transport in Porous Media.
PB92-205640/REB 92-04 PC **A03**/MF **A01**

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Closure of a Dioxin Incineration Facility.
PB92-191170/REB 92-01 PC **A03**/MF **A01**

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Alachlor Position Document 2/3.
PB92-111889/REB 92-01 PC **A02**/MF **A01**

POTABLE WATER

Health Effects of Arsenic in Drinking Water.
PB92-110360/REB 92-01 PC **A03**/MF **A01**

Lead and Copper Rule Guidance Manual. Volume 1. Monitoring.
PB92-112101/REB 92-01 PC **A10**/MF **A03**

Manual of Small Public Water Supply Systems.
PB92-117936/REB 92-01 PC **A10**/MF **A03**

Manual of Individual and Non-Public Water Supply Systems.
PB92-117944/REB 92-01 PC **A09**/MF **A02**

Paying for Safe Water: Alternative Financing Mechanisms for State Drinking Water Programs.
PB92-117993/REB 92-01 PC **A04**/MF **A01**

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PB92-135417/REB 92-01 PC **A03**/MF **A01**

Drinking Water Health Advisory for Ammonia.
PB92-135425/REB 92-01 PC **A03**/MF **A01**

Drinking Water Health Advisory Antimony.
PB92-135433/REB 92-01 PC **A03**/MF **A01**

Drinking Water Health Advisory for Beryllium.
PB92-135441/REB 92-01 PC **A03**/MF **A01**

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PB92-135458/REB 92-01 PC **A03**/MF **A01**

Drinking Water Health Advisory for Chlorpyrifos.
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Drinking Water Health Advisory for Isophorone.
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Drinking Water Health Advisory for p-Nitrophenol.
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PB92-135508/REB 92-01 PC **A03**/MF **A01**

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Drinking Water from Household Wells.
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Protecting Our Drinking Water from Microbes.
PB92-140581/REB 92-01 PC **A03**/MF **A01**

Your Drinking Water: From Source to Tap EPA Regulations and Guidance.
PB92-140599/REB 92-01 PC **A03**/MF **A01**

Safe Drinking Water Act: 1986 Amendments.
PB92-140607/REB 92-01 PC **A02**/MF **A01**

Drinking Water Systems: Three Approaches to Improve Mobile Home Park Compliance.
PB92-164714/REB 92-01 PC **A05**/MF **A02**

DNA Strand Breaks Induced in Cultured Human and Rodent Cells by Chlorohydroxyfuranones, Mutagens Isolated from Drinking Water.
PB92-164904/REB 92-01 PC **A03**/MF **A01**

Comparative Subchronic Toxicity Studies of Three Disinfectants.
PB92-164920/REB 92-01 PC **A03**/MF **A01**

Subchronic Toxicity Study of Ozonated and Ozonated/Chlorinated Humic Acids in Sprague-Dawley Rats: A Model System for Drinking Water Disinfection.
PB92-164946/REB 92-01 PC **A02**/MF **A01**

Quality Assurance Project Plan for the National Pesticide Survey of Drinking Water Wells.
PB92-168509/REB 92-04 PC **A07**/MF **A02**

Quality Assurance Project Plan for the National Pesticide Survey of Drinking Water Wells: Analytical Method 1 - Nitrogen/Phosphorous Pesticides and Analytical Method 3 - Chlorinated Acid Herbicides.
PB92-168517/REB 92-04 PC **A12**/MF **A03**

Quality Assurance Plan for the National Pesticide Survey of Drinking Water Wells: Analytical Method 2 - Chlorinated Pesticides.
PB92-168525/REB 92-04 PC **A08**

Quality Assurance Project Plan for the National Pesticide Survey of Drinking Water Wells: Analytical Method 5 - Methyl Carbamates.
PB92-168541/REB 92-04 PC **A06**/MF **A02**

Quality Assurance Project Plan for the National Pesticide Survey of Drinking Water Wells: Analytical Method 6.
PB92-168558/REB 92-04 PC **A07**/MF **A02**

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PB92-168566/REB 92-04 PC **A06**/MF **A02**

Quality Assurance Project Plan for the National Pesticide Survey of Drinking Water Wells: Analytical Method 9 - Nitrate and Nitrite.
PB92-168574/REB 92-04 PC **A05**/MF **A01**

Quality Assurance Project Plan for the National Pesticide Survey of Drinking Water Wells Referee Analyses for Analytical Method 2 - Organochlorine Pesticides, Analytical Method 4 - Carbamates, Method 5 - Methylcarbamates, Method 7 - Fumigants, and Method 9 - Nitrate/Nitrite.
PB92-168582/REB 92-04 PC **A11**/MF **A03**

Quality Assurance Project Plan for the National Pesticide Survey of Drinking Water Wells: Analytical Method 1.
PB92-168590/REB 92-04 PC **A08**/MF **A02**

Quality Assurance Project Plan for the National Pesticide Survey of Drinking Water Wells: Analytical Method 3.
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Quality Assurance Project Plan for the National Survey of Pesticides in Drinking Water Wells: Well Sampling, Data Collection and Processing.
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Quality Assurance Project Plan for the National Pesticide Survey of Drinking Water Wells: Survey Statistics, Data Collection and Processing.
PB92-168640/REB 92-04 PC **A04**/MF **A01**

Drinking Water Criteria Document for Antimony.
PB92-173293/REB 92-01 PC **A05**/MF **A01**

Drinking Water Criteria Document for Beryllium.
PB92-173301/REB 92-01 PC **A08**/MF **A02**

Drinking Water Criteria Document for Cyanide.
PB92-173319/REB 92-01 PC **A08**/MF **A02**

Drinking Water Criteria Document for Dalapon.
PB92-173327/REB 92-01 PC **A04**/MF **A01**

Quantification of Toxicological Effects for Dichloromethane.
PB92-173335/REB 92-01 PC **A03**/MF **A01**

Drinking Water Criteria Document for Di(2-Ethylhexyl) Adipate.
PB92-173343/REB 92-01 PC **A05**/MF **A01**

Drinking Water Criteria Document for Dinoseb.
PB92-173350/REB 92-01 PC **A05**/MF **A01**

Drinking Water Criteria Document for Diquat.
PB92-173368/REB 92-01 PC **A05**/MF **A01**

Drinking Water Criteria Document for Endothall.
PB92-173376/REB 92-01 PC **A05**/MF **A01**

Drinking Water Criteria Document for Endrin.
PB92-173384/REB 92-01 PC **A10**/MF **A03**

Drinking Water Criteria Document for Glyphosate.
PB92-173392/REB 92-01 PC **A03**/MF **A01**

Drinking Water Criteria Document for Hexachlorobenzene.
PB92-173400/REB 92-01 PC **A10**/MF **A03**

Drinking Water Criteria Document for Hexachlorocyclopentadiene.
PB92-173418/REB 92-01 PC **A06**/MF **A02**

Drinking Water Quantification of Toxicologic Effects for Nickel.
PB92-173426/REB 92-01 PC **A05**/MF **A01**

Drinking Water Criteria Document for Oxamyl (VYDATE).
PB92-173434/REB 92-01 PC **A05**/MF **A01**

Drinking Water Criteria Document for Phthalic Acid Esters (PAES).
PB92-173442/REB 92-01 PC **A14**/MF **A03**

Drinking Water Criteria Document for Polycyclic Aromatic Hydrocarbons (PAHs).
PB92-173459/REB 92-01 PC **A20**/MF **A04**

Drinking Water Criteria Document for Picloram.
PB92-173467/REB 92-01 PC **A04**/MF **A01**

Drinking Water Criteria Document for Simazine.
PB92-173475/REB 92-01 PC **A05**/MF **A02**

Drinking Water Criteria Document for Thallium.
PB92-173483/REB 92-01 PC **A06**/MF **A02**

Drinking Water Criteria Document for Trichlorobenzenes.
PB92-173491/REB 92-01 PC **A05**/MF **A01**

Drinking Water Criteria Document for 1,1,2-Trichloroethane.
PB92-173509/REB 92-01 PC **A05**/MF **A01**

Compliance Concerns with the New Coliform Regulation.
PB92-179696/REB 92-01 PC **A02**/MF **A01**

Opportunistic Organisms and the Water Supply Connection.
PB92-179704/REB 92-01 PC **A03**/MF **A01**

Comparison of Methods for Determination of Dissolved Inorganic Carbon (DIC).
PB92-179712/REB 92-01 PC **A03**/MF **A01**

Comprehensive Evaluation of a Field Test Kit for Lead.
PB92-179720/REB 92-01 PC **A03**/MF **A01**

Visions of the Future in Drinking Water Microbiology.
PB92-179852/REB 92-01 PC **A02**/MF **A01**

Application of Modified Aluminon and GFAAS Methods to Beryllium Determination in Drinking Water.
PB92-180199/REB 92-01 PC **A02**/MF **A01**

Ozonation/Post-Chlorination of Humic Acid: A Model for Predicting Drinking Water Disinfection By-Products.
PB92-180280/REB 92-01 PC **A03**/MF **A01**

Physical and Chemical Characterization of Indoor Aerosols Resulting from the Use of Tap Water in Portable Home Humidifiers.
PB92-188937/REB 92-01 PC **A02**/MF **A01**

Health Advisory for 2,4- and 2,6-Dinitrotoluene (DNT).
PB92-189315/REB 92-01 PC **A10**/MF **A03**

Drinking Water from Agriculturally Contaminated Groundwater.
PB92-195874/REB 92-01 PC **A03**/MF **A01**

Inorganic Chemical Characterization of Water Treatment Plant Residuals.
PB92-198563/REB 92-04 PC **A08**/MF **A02**

Safe Drinking Water from Small Systems: Treatment Options.
PB92-198605/REB 92-04 PC **A02**/MF **A01**

U.S. Environmental Protection Agency Health Effects Research on Drinking Water Contaminants.
PB92-206531/REB 92-04 PC **A02**/MF **A01**

Removal of Radium from Drinking Water.
PB92-218320/REB 92-04 PC **A07**/MF **A02**

Drinking Water and Health. Volume 5.
PB92-223122/REB 92-04 PC **A08**/MF **A02**

Drinking Water and Health. Volume 6.
PB92-223130/REB 92-04 PC **A21**/MF **A04**

Health Advisory for Isopropyl Methylphosphonic Acid (IMPA).
PB92-232149/REB 92-04 PC **A03**/MF **A01**

POTASSIUM BROMIDE

RED. Facts: Potassium Bromide.
PB92-114354/REB 92-01 PC **A02**/MF **A01**

Reregistration Elegibility Document (RED): Potassium Bromide.
PB92-114362/REB 92-01 PC **A03**/MF **A01**

POTASSIUM NITRATE

RED Facts: Inorganic Nitrate/Nitrite (Sodium and Potassium Nitrates).
PB92-145473/REB 92-01 PC **A02**/MF **A01**

Reregistration Eligibility Document (RED): Inorganic Nitrate/Nitrite (Sodium and Potassium Nitrates).
PB92-161975/REB 92-01 PC **A03**/MF **A01**

POTOMAC RIVER BASIN

Uncertainties in Nitrogen Mass Loadings in Coastal Watersheds.
PB92-108075/REB 92-01 PC **A03**/MF **A01**

Watershed Nitrogen Management: Upper Potomac River Basin Case Study.
PB92-108083/REB 92-01 PC **A03**/MF **A01**

PRECIOUS METALS

Abstracts of Selected Precious Metal Mines' Permits.
PB92-180090/REB 92-01 PC **A21**/MF **A04**

PRECIPITATION (METEOROLOGY)

Preface and Introduction to 'The Response of Western Forests to Air Pollution'.
PB92-143833/REB 92-01 PC **A02**/MF **A01**

Statistical Methodology for Exploring Elevational Differences in Precipitation Chemistry.
PB92-144088/REB 92-01 PC **A03**/MF **A01**

NEXRAD Precipitation Information Application Forum Climate and Global Change.
PB92-180082/REB 92-01 PC **A03**/MF **A01**

Quality Assurance Support for the National Atmospheric Deposition Program and National Trends Network Monitoring Activities. Fourth Progress Report, 1990-1991.
PB92-194000/REB 92-01 PC **A06**/MF **A02**

Western Forests and Air Pollution.
PB92-198209/REB 92-04 PC **A22**/MF **A04**

Hierarchical Stochastic Model of Large-Scale Atmospheric Circulation Patterns and Multiple Station Daily Precipitation.
PB92-217421/REB 92-04 PC **A03**

Summary Report for the National Atmospheric Deposition Program National Trends Network (NADP/NTN) Site Visitation Program.
PB92-219823/REB 92-04 PC **A06**/MF **A02**

PREDICTION EQUATIONS

Prediction of Octanol/Water Partition Coefficient (K sub ow) with Algorithmically Derived Variables.
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PREGNANCY

Developmental Effects of Methyl Benzimidazolecarbamate Following Exposure during Early Pregnancy.
PB92-164862/REB 92-01 PC **A02**/MF **A01**

PRELIMINARY ASSESSMENT

PA-Score (Preliminary Assessment Score), Version 1.0 (for Microcomputers).
PB92-500032/REB 92-01 CP **D02**

PA-Score Software, Version 1.0. Users Manual and Tutorial.
PB92-963302/REB 92-01 PC **A04**/MF **A01**

PREREMEDIAL ACTIONS

Guide for Conducting Treatability Studies under CERCLA: Aerobic Biodegradation Remedy Screening. Interim Guidance.
PB92-109065/REB 92-01 PC **A03**/MF **A01**

Guide for Conducting Treatability Studies under CERCLA: Aerobic Biodegradation Remedy Screening.
PB92-109073/REB 92-01 PC **A02**/MF **A01**

PRESCORE PROGRAM

Preliminary Ranking Evaluation Score (PREscore) Version 1.1 (for Microcomputers).
PB92-503507/REB 92-04 CP **D02**

PRESSURE FIELD EXTENSION

Sub-Slab Pressure Field Extension in Schools and Other Large Buildings.
PB92-121268/REB 92-01 PC **A03**/MF **A01**

PRESTO-EPA-POP MODEL

User's Guide for the SYSPOP Program: A PC Version of the PRESTO-EPA-POP Operation System. Version 1.0.
PB92-213255/REB 92-04 PC **A11**/MF **A03**

PRETREATMENT PROCESSES

Guidance Manual for Pulp, Paper, and Paperboard and Builders' Paper and Board Mills Pretreatment Standards.
PB92-231638/REB 92-04 PC **A04**/MF **A01**

PRINCEP

Drinking Water Criteria Document for Simazine.
PB92-173475/REB 92-01 PC **A05**/MF **A02**

PRINCIPAL ORGANIC HAZARDOUS CONSTITUENT

Pilot-Scale Evaluation of the Thermal Stability POHC Incinerability Ranking.
PB92-166966/REB 92-01 PC **A11**/MF **A03**

PRINTED CIRCUITS

Waste Minimization Assessment for a Manufacturer of Prototype Printed Circuit Boards.
PB92-104355/REB 92-01 PC **A01**/MF **A01**

PRINTING

Waste Reduction Activities and Options at a Printer of Forms and Supplies for the Legal Profession.
PB92-217496/REB 92-04 PC **A02**/MF **A01**

Summary of Available Information on the Levels and Control of Toxic Pollutants Discharges in the Printing and Publishing. Point Source Category.
PB92-231703/REB 92-04 PC **A08**/MF **A02**

PRIORITY POLLUTANTS

Bioavailability to Plants of Sludge-Borne Toxic Organics.
PB92-153931/REB 92-01 PC **A03**/MF **A01**

PRODIAMINE

Pesticide Fact Sheet Number 231: Prodiamine.
PB92-145416/REB 92-01 PC **A03**/MF **A01**

PROGRAM MANAGEMENT

Superfund: Enforcement.
PB92-963600/REB 92-01 Standing Order

PROGRAMS

Directory of EPA Support to Minority Academic Institutions, FY 1990-1991.
PB92-218353/REB 92-04 PC **A05**/MF **A02**

PROJECT MANAGEMENT

Superfund Program: Ten Years of Progress.
PB91-921286/REB 92-01 PC **A04**/MF **A01**

Handbook of State Management Practices, July 1984.
PB92-164755/REB 92-01 PC **A08**/MF **A02**

Superfund: Program Policies and Administration.
PB92-963200/REB 92-01 Standing Order

Implementation of the Superfund Alternative Remedial Contracting Strategy (ARCS): Report of the Administrator's Task Force. Implementation Plan.
PB92-963201/REB 92-01 PC **A03**/MF **A01**

Superfund Policy Forum Update, Volume 1, Number 1, February 1992.
PB92-963262/REB 92-01 PC **A02**/MF **A01**

Superfund Progress, Spring 1992.
PB92-963265/REB 92-01 PC **A03**/MF **A01**

Correction of FY-92 Superfund Program Management Manual Definitions.
PB92-963266/REB 92-01 PC **A01**/MF **A01**

Superfund Progress - Aficionado's Version (Progress as of March 31, 1992).
PB92-963267/REB 92-01 PC **A03**/MF **A01**

Revised Hazard Ranking System: Evaluating Sites After Waste Removals.
PB92-963326/REB 92-01 PC **A03**/MF **A01**

Audits and the Superfund Program Manager.
PB92-963328/REB 92-01 PC **A01**/MF **A01**

Administrative Guidance for the FIT to ARCS (FIT/ARCS) Transition.
PB92-963332/REB 92-01 PC **A06**/MF **A02**

PROJECTOR SLIDES

RCRA Corrective Actions. Speaker Slide Copies.
PB92-224815/REB 92-04 PC **A06**/MF **A02**

PROMOTOR REGIONS (GENETICS)
Characterization of Stress-Responsive Behavior in 'Pseudomonas aeruginosa' PAO: Isolation of Tn3-lacZYA Fusions with Novel Damage-Inducible (din) Promoters.
PB92-195718/REB 92-01 PC **A02**/MF **A01**

PROPELLANTS
Manual for Non-CFC Aerosol Packaging: Conversion from CFC to Hydrocarbon Propellants.
PB92-101344/REB 92-01 PC **A10**/MF **A03**

PROPERTY REACTIVITY CORRELATIONS
Infrared Spectroscopy-Based Property-Reactivity Correlations for Predicting Environmental Fate of Organic Chemicals.
PB92-232925/REB 92-04 PC **A03**/MF **A01**

Role of Property-Reactivity Relationships in Meeting the EPA's Needs for Environmental Fate Constants.
PB92-232941/REB 92-04 PC **A02**/MF **A01**

PROPIONIC ACID
RED Facts: Propionic Acid.
PB92-147891/REB 92-01 PC **A02**/MF **A01**

Reregistration Eligibility Document (RED): Propionic Acid.
PB92-161983/REB 92-01 PC **A03**/MF **A01**

PROTECTION
Industrial Pollution Prevention Opportunities for the 1990s.
PB91-220376/REB 92-01 PC **A04**/MF **A01**

Protecting Endangered Species: Interim Measures. Walker County, Georgia.
PB92-226224/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, Wilson County, Tennessee.
PB92-231083/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, Franklin County, Tennessee.
PB92-231091/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, Avery County, North Carolina.
PB92-231109/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures. Decatur County, Georgia.
PB92-231117/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, Culberson County, Texas.
PB92-232412/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, Jackson County, Mississippi.
PB92-232495/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, Navajo County, Arizona.
PB92-232511/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, Graham County, Arizona.
PB92-232529/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, Carter County, Tennessee.
PB92-232537/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, Cochise County, Arizona.
PB92-232602/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, Bolivar County, Mississippi.
PB92-232610/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, Clayton County, Iowa.
PB92-232628/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, Coconino County, Arizona.
PB92-232636/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, Aransas County, Texas.
PB92-232644/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, Mitchell County, North Carolina.
PB92-232651/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, Mohave County, Arizona.
PB92-232669/REB 92-04 PC **A01**/MF **A01**

Protecting Endangered Species: Interim Measures, Burke County, Georgia.
PB92-232685/REB 92-04 PC **A01**/MF **A01**

Superfund Progress - Aficionado's Version: Progress as of June 30, 1992.
PB92-963278/REB 92-04 PC **A03**/MF **A01**

Superfund Progress, Summer 1992.
PB92-963279/REB 92-04 PC **A03**/MF **A01**

PROTECTIVE ACTION GUIDES
Manual of Protective Action Guides and Protective Actions for Nuclear Incidents.
PB92-164763/REB 92-01 PC **A12**/MF **A03**

PROTECTIVE CLOTHING
Improvement of PMN Review Procedures to Estimate Protective Clothing Performance. Executive Summary Report.
PB92-105691/REB 92-01 PC **A03**/MF **A01**

Limited-Use Chemical Protective Clothing for EPA Superfund Activities.
PB92-143494/REB 92-01 PC **A03**/MF **A01**

Permeation of Multifunctional Acrylates through Selected Protective Glove Materials.
PB92-153915/REB 92-01 PC **A02**/MF **A01**

Permeation of Multifunctional Acrylates through Three Protective Clothing Materials.
PB92-164797/REB 92-01 PC **A06**/MF **A02**

PROTECTIVE EQUIPMENT
Evaluation of Personal Cooling Devices for Dioxin Clean-Up Operation.
PB92-206895/REB 92-04 PC **A05**/MF **A01**

PROTEINS
Concentration-Time Models for the Effects of Ozone on Bronchoalveolar Lavage Fluid Protein from Rats and Guinea Pigs.
PB92-150879/REB 92-01 PC **A03**/MF **A01**

Protein Adducts for Exposure Monitoring: A Computerized Database. Software and User's Manual.
PB92-155431/REB 92-01 PC **A03**/MF **A01**

Protein Adducts for Exposure Monitoring: A Computerized Database (CPAD) (Version 1) (for Microcomputers).
PB92-501873/REB 92-01 CP **D02**

PROTOCOLS
Standard Measurement Protocols: Florida Radon Research Program.
PB92-115294/REB 92-01 PC **A06**/MF **A02**

Indoor Radon and Radon Decay Product Measurement Device Protocols.
PB92-206176/REB 92-04 PC **A06**/MF **A02**

PROTOPLASTS
Preparation and Regeneration of Protoplasts of 'Colletotrichum gloeosporioides' f. p. 'Aeschynomene'.
PB92-195734/REB 92-01 PC **A02**/MF **A01**

PSEUDOMONAS AERUGINOSA
Heterotrophic Bacteria of the Freshwater Neuston and Their Ability to Act as Plasmid Recipients under Nutrient Deprived Conditions.
PB92-129766/REB 92-01 PC **A03**/MF **A01**

Characterization of Stress-Responsive Behavior in 'Pseudomonas aeruginosa' PAO: Isolation of Tn3-lacZYA Fusions with Novel Damage-Inducible (din) Promoters.
PB92-195718/REB 92-01 PC **A02**/MF **A01**

PSEUDOMONAS APACIA
Formation of Transconjugants on Plating Media Following 'In situ' Conjugation Experiments.
PB92-180330/REB 92-01 PC **A02**/MF **A01**

PSEUDOMONAS CEPACIA
Performance Characterization of a Model Bioreactor for the Biodegradation of Trichloroethylene by 'Pseudomonas cepacia' G4.
PB92-129717/REB 92-01 PC **A02**/MF **A01**

Mutants of 'Pseudomonas cepacia' G4 Defective in Catabolism of Aromatic Compounds and Trichloroethylene.
PB92-129741/REB 92-01 PC **A02**/MF **A01**

PSEUDOMONAS STUTZERI
Detection of Horizontal Gene Transfer by Natural Transformation in Native and Introduced Species of Bacteria in Marine and Synthetic Sediments.
PB92-195767/REB 92-01 PC **A02**/MF **A01**

PSEUDOMONAS SYRINGAE
Evaluation of Four Aerobiological Sampling Methods for the Retrieval of Aerosolized 'Pseudomonas syringae'.
PB92-158591/REB 92-01 PC **A01**/MF **A01**

PSEUDOPREGNANCY
Pseudopregnancy and the Decidual Cell Response (DCR) in the Rat.
PB92-126895/REB 92-01 PC **A03**/MF **A01**

PSYCHOMOTOR PERFORMANCE
Effects of Triadimefon on a Multiple Schedule of Fixed-Interval Performance: Comparison with Methylphenidate, d-Amphetamine and Chlorpromazine.
PB92-143932/REB 92-01 PC **A02**/MF **A01**

Exposure of Humans to a Volatile Organic Mixture. 2. Sensory.
PB92-164888/REB 92-01 PC **A03**/MF **A01**

PUBERTY
Neuroendocrine Responses to Social Regulation of Puberty in the Female House Mouse.
PB92-179779/REB 92-01 PC **A03**/MF **A01**

PUBLIC ACCESS
Access EPA: Public Information Tools, Major EPA Dockets, Clearinghouses and Hotlines, Records Management Programs, Major EPA Environmental Databases, Library and Information Services, State Environmental Libraries, EPA Scientific Models New for 1992. 1992 Edition.
PB92-147438/REB 92-04 PC**$21.00**

PUBLIC HEALTH
Health Effects of Arsenic in Drinking Water.
PB92-110360/REB 92-01 PC **A03**/MF **A01**

Oil Spill Clean Up.
PB92-110469/REB 92-01 PC **A01**/MF **A01**

Indoor Air Pollutants from Unvented Kerosene Heater Emissions in Mobile Homes: Studies on Particles, Semivolatile Organics, Carbon Monoxide, and Mutagenicity.
PB92-113232/REB 92-01 PC **A02**/MF **A01**

Child Lead Exposure Study, Leeds, Alabama.
PB92-123793/REB 92-01 PC **A05**/MF **A01**

Benzene Groundwater Exposure Study, Nesmith, South Carolina.
PB92-123801/REB 92-01 PC **A03**/MF **A01**

Preliminary Risk Assessment for Bacteria in Municipal Sewage Sludge Applied to Land.
PB92-126820/REB 92-01 PC **A10**/MF **A03**

Dioxin and Furan Concentrations in Puget Sound Crabs. Puget Sound Estuary Program.
PB92-132786/REB 92-01 PC **A05**/MF **A01**

Prevention of Waterborne Cholera in the United States.
PB92-136886/REB 92-01 PC **A02**/MF **A01**

Drinking Water from Household Wells.
PB92-140573/REB 92-01 PC **A03**/MF **A01**

Protecting Our Drinking Water from Microbes.
PB92-140581/REB 92-01 PC **A03**/MF **A01**

Your Drinking Water: From Source to Tap EPA Regulations and Guidance.
PB92-140599/REB 92-01 PC **A03**/MF **A01**

Manual of Protective Action Guides and Protective Actions for Nuclear Incidents.
PB92-164763/REB 92-01 PC **A12**/MF **A03**

Health Assessment Document for Vermiculite.
PB92-166834/REB 92-01 PC **A03**/MF **A01**

EPCRA Section 313 Roadmaps Database. User's Manual. (Version 2.2) (for Microcomputers).
PB92-169523/REB 92-01 PC **A05**/MF **A01**

Research Strategy for Electric and Magnetic Fields: Research Needs and Priorities.
PB92-170174/REB 92-01 PC **A04**/MF **A01**

Chlorinated Dioxins and Furans in the General U.S. Population: NHATS FY87 Results.
PB92-180157/REB 92-01 PC **A12**/MF **A03**

Leaking Underground Storage Tanks and Health: Understanding Health Risks from Petroleum Contamination.
PB92-184969/REB 92-01 PC **A03**/MF **A01**

Health Research to Support Risk Assessment.
PB92-188788/REB 92-01 PC **A03**/MF **A01**

Potential Uses of Phosphogypsum and Associated Risks. Background Information Document.
PB92-196054/REB 92-01 PC **A06**/MF **A02**

Preliminary Risk Assessment for Viruses in Municipal Sewage Sludge Applied to Land.
PB92-198548/REB 92-01 PC **A09**/MF **A03**

Effect of Bioremediation on the Mutagenicity of Oil Spilled in Prince William Sound, Alaska.
PB92-206374/REB 92-04 PC **A02**/MF **A01**

User's Guide for the SYSPOP Program: A PC Version of the PRESTO-EPA-POP Operation System. Version 1.0.
PB92-213255/REB 92-04 PC **A11**/MF **A03**

Mutagenicity of Emissions from the Simulated Open Burning of Scrap Rubber Tires.
PB92-217009/REB 92-04 PC **A04**/MF **A01**

Technical Support Document for the 1992 Citizen's Guide to Radon.
PB92-218395/REB 92-04 PC **A08**/MF **A02**

Toxics in the Community: National and Local Perspectives. The 1989 Toxics Release Inventory National Report.
PB92-224278/REB 92-04 PC **A24**/MF **A04**

Emergency Planning and Community Right-to-Know Act: Section 313 Release Reporting Requirements.
PB92-226216/REB 92-04 PC **A03**/MF **A01**

Reference Guide to Odor Thresholds for Hazardous Air Pollutants Listed in the Clean Air Act Amendments of 1990.
PB92-239516/REB 92-04 PC **A05**/MF **A01**

Roadmaps to Sources of Information on Chemicals Listed in the Emergency Planning Community and Community Right-to-Know Act (Also Known as SARA Title 3), Section 313. Toxic Release Inventory (for Microcomputers).
PB92-501972/REB 92-01 CP **D04**

Health Effects Assessment Summary Tables.
PB92-921100/REB 92-01 *Standing Order*

Risk Assessment Guidance for Superfund. Volume 1. Human Health Evaluation Manual (Part B, Development of Risk-Based Preliminary Remediation Goals).
PB92-963333/REB 92-01 PC **A04**/MF **A01**

Risk Assessment Guidance for Superfund. Volume 1. Human Health Evaluation Manual (Part C, Risk Evaluation of Remedial Alternatives).
PB92-963334/REB 92-01 PC **A05**/MF **A01**

Risk Assessment Guidance for Superfund. Volume 1. Human Health Evaluation Manual (Part B).
PB92-963339/REB 92-01 PC **A02**/MF **A01**

Risk Assessment Guidance for Superfund. Volume 1. Human Health Evaluation Manual (Part C).
PB92-963340/REB 92-01 PC **A02**/MF **A01**

Guidance for Data Useability in Risk Assessment (Part A).
PB92-963356/REB 92-04 PC **A13**/MF **A03**

Guidance for Data Useability in Risk Assessment (Part B).
PB92-963362/REB 92-04 PC **A05**/MF **A01**

Standard Operating Safety Guides.
PB92-963414/REB 92-04 PC **A09**/MF **A03**

PUBLIC INFORMATION

Technical Support Document for the 1992 Citizen's Guide to Radon.
PB92-218395/REB 92-04 PC **A08**/MF **A02**

Emergency Planning and Community Right-to-Know Act: Section 313 Release Reporting Requirements.
PB92-226216/REB 92-04 PC **A03**/MF **A01**

Introduction to Water Quality Standards.
PB92-231646/REB 92-04 PC **A03**/MF **A01**

PUBLIC UTILITIES

Manual of Small Public Water Supply Systems.
PB92-117936/REB 92-01 PC **A10**/MF **A03**

Expert Systems Show Promise for Customer Inquiries. Management and Operations.
PB92-166636/REB 92-01 PC **A02**/MF **A01**

PUBLISHING

Summary of Available Information on the Levels and Control of Toxic Pollutants Discharges in the Printing and Publishing. Point Source Category.
PB92-231703/REB 92-04 PC **A08**/MF **A02**

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National Priorities List Sites: Massachusetts.
PB92-963206/REB 92-01 PC **A05**/MF **A01**

National Priorities List Sites: Puerto Rico.
PB92-963207/REB 92-01 PC **A04**/MF **A01**

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Developing Sediments Quality Standards: Comprehensive Sediment Management in Puget Sound.
AD-P006 465/9/REB 92-01 PC **A03**/MF **A01**

Long-Term Trends in Puget Sound Marine Fishes: Selected Data Sets.
PB92-104488/REB 92-01 PC **A03**/MF **A01**

Puget Sound Pesticide Reconnaissance Survey, 1990.
PB92-104504/REB 92-01 PC **A06**/MF **A02**

Sunken Vessels and Aircraft Containing Hazardous Materials in Puget Sound.
PB92-104512/REB 92-01 PC **A07**/MF **A02**

Bioaccumulation of Contaminants in Crabs and Clams in Bellingham Bay.
PB92-166867/REB 92-01 PC **A03**/MF **A01**

Reference Area Performance Standards for Puget Sound.
PB92-166917/REB 92-01 PC **A08**/MF **A02**

PUGET SOUND ESTUARY PROGRAM

Chemical Contamination of Harbor Seal Pups in Puget Sound. Puget Sound Estuary Program.
PB92-132778/REB 92-01 PC **A06**/MF **A02**

Dioxin and Furan Concentrations in Puget Sound Crabs. Puget Sound Estuary Program.
PB92-132786/REB 92-01 PC **A05**/MF **A01**

Project Manager's Guide to Requesting and Evaluating Chemical Analyses. Puget Sound Estuary Program.
PB92-132794/REB 92-01 PC **A08**/MF **A02**

PULMONARY NEOPLASMS

Interspecies Sensitivity to Chemical Carcinogens: Relationships between Mouse Skin Tumors and Human Lung Cancer.
PB92-158674/REB 92-01 PC **A03**/MF **A01**

Respiratory Health Effects of Passive Smoking: Lung Cancer and Other Disorders.
PB92-182344/REB 92-04 PC **A24**/MF **A04**

Carcinogenic Risk of Non-Uniform Alpha Particle Irradiation in the Lungs: Radon Progeny Effects at Bronchial Bifurcations.
PB92-227545/REB 92-04 PC **A02**/MF **A01**

PUMPING

Acquisition of Representative Ground Water Quality Samples for Metals.
PB92-227487/REB 92-04 PC **A03**/MF **A01**

PUTRESCENT WHOLE EGG SOLIDS

Reregistration Eligibility Document (RED): Putrescent Whole Egg Solids.
PB92-220227/REB 92-04 PC **A06**/MF **A02**

RED Facts: Putrescent Whole Egg Solids.
PB92-235621/REB 92-04 PC **A01**/MF **A01**

PVM (PARALLEL VIRTUAL MACHINE)

Parallel Groundwater Computations Using PVM.
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QUAL2E MODEL

System for Control of River Water Quality for the Community of Madrid Using QUAL2E.
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QUALITY ASSURANCE

Development of a National Consensus Standard for Quality Assurance for Environmental Programs.
PB92-143783/REB 92-01 PC **A03**/MF **A01**

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Quality Assurance Project Plan for the National Pesticide Survey of Drinking Water Wells.
PB92-168509/REB 92-04 PC **A07**/MF **A02**

Quality Assurance Project Plan for the National Pesticide Survey of Drinking Water Wells: Analytical Method 1 - Nitrogen/Phosphorous Pesticides and Analytical Method 3 - Chlorinated Acid Herbicides.
PB92-168517/REB 92-04 PC **A12**/MF **A03**

Quality Assurance Plan for the National Pesticide Survey of Drinking Water Wells: Analytical Method 2 - Chlorinated Pesticides.
PB92-168525/REB 92-04 PC **A08**

Quality Assurance Project Plan for the National Pesticide Survey of Drinking Water Wells: Analytical Method 5 - Methyl Carbamates.
PB92-168541/REB 92-04 PC **A06**/MF **A02**

Quality Assurance Project Plan for the National Pesticide Survey of Drinking Water Wells: Analytical Method 6.
PB92-168558/REB 92-04 PC **A07**/MF **A02**

Quality Assurance Project Plan for the National Pesticide Survey of Drinking Water Wells: Analytical Method 7 - Fumigants.
PB92-168566/REB 92-04 PC **A06**/MF **A02**

Quality Assurance Project Plan for the National Pesticide Survey of Drinking Water Wells: Analytical Method 9 - Nitrate and Nitrite.
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Quality Assurance Project Plan for the National Pesticide Survey of Drinking Water Wells Referee Analyses for Analytical Method 2 - Organochlorine Pesticides, Analytical Method 4 - Carbamates, Method 5 - Methylcarbamates, Method 7 - Fumigants, and Method 9 - Nitrate/Nitrite.
PB92-168582/REB 92-04 PC **A11**/MF **A03**

Quality Assurance Project Plan for the National Pesticide Survey of Drinking Water Wells: Analytical Method 1.
PB92-168590/REB 92-04 PC **A08**/MF **A02**

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PB92-168608/REB 92-04 PC **A09**/MF **A02**

Quality Assurance Project Plan for the National Pesticide Survey of Drinking Water Wells: Analytical Method 6 - Ethylene Thiourea.
PB92-168616/REB 92-04 PC **A07**/MF **A02**

Quality Assurance Project Plan for the National Pesticide Survey of Drinking Water Wells: Hydrogeologic Characterization and Second-Stage Stratification Activities.
PB92-168624/REB 92-04 PC **A08**/MF **A02**

Quality Assurance Project Plan for the National Survey of Pesticides in Drinking Water Wells: Well Sampling, Data Collection and Processing.
PB92-168632/REB 92-04 PC **A07**/MF **A02**

Quality Assurance Project Plan for the National Pesticide Survey of Drinking Water Wells: Survey Statistics, Data Collection and Processing.
PB92-168640/REB 92-04 PC **A04**/MF **A01**

National Radon Measurement Proficiency Program: Individual Proficiency Report.
PB92-169473/REB 92-04 PC **A06**/MF **A02**

Quality Assurance Planning for Stationary Source Field Sampling.
PB92-188804/REB 92-01 PC **A02**/MF **A01**

Acid Aerosol Measurement Methods: Studies of Extraction and Analytical Effects.
PB92-191154/REB 92-01 PC **A02**/MF **A01**

Customer/Supplier Accountability and Quality Assurance (QA) Program Implementation.
PB92-191162/REB 92-01 PC **A02**/MF **A01**

Quality Assurance Support for the National Atmospheric Deposition Program and National Trends Network Monitoring Activities. Fourth Progress Report, 1990-1991.
PB92-194000/REB 92-01 PC **A06**/MF **A02**

At the Threshold: A National Consensus Quality Systems Standard for Environmental Programs, 1992.
PB92-209295/REB 92-04 PC **A03**/MF **A01**

Educating Managers about Quality through Customer-Supplier Understanding. Overview of Current Training Initiatives in Energy and Environmental Programs. Annual National Energy and Environmental Quality Division Conference (19th).
PB92-217116/REB 92-04 PC **A03**/MF **A01**

QUALITY CONTROL

Customer/Supplier Accountability and Quality Assurance (QA) Program Implementation.
PB92-191162/REB 92-01 PC **A02**/MF **A01**

Educating Managers about Quality through Customer-Supplier Understanding. Overview of Current Training Initiatives in Energy and Environmental Programs. Annual National Energy and Environmental Quality Division Conference (19th).
PB92-217116/REB 92-04 PC **A03**/MF **A01**

Regional Quality Control Guidance for NPL Candidate Sites.
PB92-963352/REB 92-01 PC **A04**/MF **A01**

QUALITY SYSTEM

Educating Managers about Quality through Customer-Supplier Understanding. Overview of Current Training Initiatives in Energy and Environmental Programs. Annual National Energy and Environmental Quality Division Conference (19th).
PB92-217116/REB 92-04 PC **A03**/MF **A01**

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QSARs for Predicting Biotic and Abiotic Reductive Transformation Rate Constants of Halogenated Hydrocarbons in Anoxic Sediment Systems.
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Reductive Transformations of Halogenated Aromatic Hydrocarbons in Anaerobic Water-Sediment Systems: Kinetics, Mechanisms and Products.
PB92-166818/REB 92-01 PC **A03**/MF **A01**

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RABUN COUNTY (GEORGIA)

Protecting Endangered Species: Interim Measures, Rabun County, Georgia.
PB92-232594/REB 92-04 PC **A01**/MF **A01**

RACKWITZ-FIESSLER METHOD

Evaluation of the Rackwitz-Fiessler Uncertainty Analysis Method for Environmental Fate and Transport Models.
PB92-188879/REB 92-01 PC **A03**/MF **A01**

RADIATION ACCIDENTS

Implementing Protective Actions for Radiological Incidents at Other Than Nuclear Power Reactors. Proceedings of a Workshop. Held in Montgomery, Alabama on September 25-26, 1991.
PB92-192764/REB 92-01 PC **A05**/MF **A01**

RADIATION EFFECTS

User's Guide for the SYSPOP Program: A PC Version of the PRESTO-EPA-POP Operation System. Version 1.0.
PB92-213255/REB 92-04 PC **A11**/MF **A03**

RADIATION MEASURING INSTRUMENTS

Standard Measurement Protocols: Florida Radon Research Program.
PB92-115294/REB 92-01 PC **A06**/MF **A02**

Indoor Radon and Radon Decay Product Measurement Device Protocols.
PB92-206176/REB 92-04 PC **A06**/MF **A02**

RADIATION MONITORING

Aerial radiological survey of Pocatello and Soda Springs, Idaho and surrounding area, June-July 1986.
DE91017051/REB 92-01 PC **A03**/MF **A01**

Offsite environmental monitoring report: Radiation monitoring around United States nuclear test areas. Calendar year 1990.
DE92010386/REB 92-04 PC **A09**/MF **A02**

Environmental Radiation Data. Report 63, July-September 1990.
PB92-164706/REB 92-01 PC **A03**/MF **A01**

Radiological Survey of the Norfolk Naval Station, the Norfolk Naval Shipyard, and Newport News Shipbuilding.
PB92-164730/REB 92-01 PC **A03**/MF **A01**

National Radon Measurement Proficiency Program: Individual Proficiency Report.
PB92-169473/REB 92-04 PC **A06**/MF **A02**

RADIATION MONITORS

Data Logging Systems for Monitoring Long-Term Radon Mitigation Experimental Programs in Schools and Other Large Buildings.
PB92-206580/REB 92-04 PC **A03**/MF **A01**

RADIATION PROTECTION

Manual of Protective Action Guides and Protective Actions for Nuclear Incidents.
PB92-164763/REB 92-01 PC **A12**/MF **A03**

Implementing Protective Actions for Radiological Incidents at Other Than Nuclear Power Reactors. Proceedings of a Workshop. Held in Montgomery, Alabama on September 25-26, 1991.
PB92-192764/REB 92-01 PC **A05**/MF **A01**

RADIO BROADCASTING

Electric and Magnetic Fields Near AM Broadcast Towers.
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Electric and Magnetic Fields Near AM Broadcast Towers.
PB92-101427/REB 92-01 PC **A05**/MF **A01**

RADIOACTIVE ISOTOPES

Potential Uses of Phosphogypsum and Associated Risks. Background Information Document.
PB92-196054/REB 92-01 PC **A06**/MF **A02**

RADIOACTIVE MATERIALS

Offsite environmental monitoring report: Radiation monitoring around United States nuclear test areas. Calendar year 1990.
DE92010386/REB 92-04 PC **A09**/MF **A02**

Guidance for Data Useability in Risk Assessment (Part B).
PB92-963362/REB 92-04 PC **A05**/MF **A01**

RADIOACTIVE WASTE DISPOSAL

Characterization Protocol for Radioactive Contaminated Soils.
PB92-963354/REB 92-01 PC **A02**/MF **A01**

Superfund Record of Decision (EPA Region 4): Maxey Flats Nuclear Disposal Site, Fleming County, KY. (First Remedial Action), September 1991.
PB92-964015/REB 92-04 PC **A09**/MF **A03**

RADIOACTIVE WASTES

Conducting RCRA Inspections at Mixed Waste Facilities.
PB92-105196/REB 92-01 PC **A04**/MF **A01**

Development of a National Consensus Standard for Quality Assurance for Environmental Programs.
PB92-143783/REB 92-01 PC **A03**/MF **A01**

Vitrification Technologies for Treatment of Hazardous and Radioactive Waste.
PB92-201110/REB 92-04 PC **A05**/MF **A01**

Characterizing Heterogeneous Wastes: Methods and Recommendations (March 26-28, 1991).
PB92-216894/REB 92-04 PC **A08**/MF **A02**

Radioactive Site Remediation Technologies Seminar. Speaker Slide Copies.
PB92-231174/REB 92-04 PC **A04**/MF **A01**

Health Effects Assessment Summary Tables.
PB92-921100/REB 92-01 Standing Order

Superfund Record of Decision (EPA Region 4): Oak Ridge Reservation (USDOE), (Operable Unit 3), Anderson County, Oak Ridge, TN. (Second Remedial Action), September 1991.
PB92-964022/REB 92-04 PC **A03**/MF **A01**

RADIOISOTOPES

Radionuclide Removal.
PB92-121284/REB 92-01 PC **A03**/MF **A01**

RADIONUCLIDE MIGRATION

Radiological Survey of the Norfolk Naval Station, the Norfolk Naval Shipyard, and Newport News Shipbuilding.
PB92-164730/REB 92-01 PC **A03**/MF **A01**

RADIUM

Radium Removal from Water by Manganese Dioxide Adsorption and Diatomaceous Earth Filtration.
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Removing Radium from Water by Plain and Treated Activated Alumina.
PB92-164789/REB 92-01 PC **A05**/MF **A01**

Removal of Radium from Drinking Water.
PB92-218320/REB 92-04 PC **A07**/MF **A02**

RADON

Recommended Sub-Slab Depressurization Systems *Design Standard of the Florida Radon Research Program.*
PB92-105626/REB 92-01 PC **A03**/MF **A01**

Recommended Foundation Fill Materials Construction Standard of the Florida Radon Research Program.
PB92-105865/REB 92-01 PC **A03**/MF **A01**

Florida Radon Research Program: Technical Support for the Development of Radon Resistant Construction Standards.
PB92-108109/REB 92-01 PC **A03**/MF **A01**

Development of Alternate Performance Standard for Radon Resistant Construction Based on Short-Term/ Long-Term Indoor Radon Concentrations. Volume 1. Technical Report.
PB92-115211/REB 92-01 PC **A05**/MF **A01**

Development of Alternate Performance Standard for *Radon Resistant Construction Based on Short-Term/* Long-Term Indoor Radon Concentrations. Volume 2. Appendices.
PB92-115229/REB 92-01 PC **A04**/MF **A01**

Proceedings of the Workshop on Radon Potential Mapping, Florida Radon Research Program. Held in Gainesville, Florida on April 20, 1990.
PB92-115278/REB 92-01 PC **A04**/MF **A01**

Standard Measurement Protocols: Florida Radon Research Program.
PB92-115294/REB 92-01 PC **A06**/MF **A02**

Proceedings: The 1991 International Symposium on Radon and Radon Reduction Technology. Volume 1. Symposium Oral Papers Opening Session and Technical Sessions 1 through 5.
PB92-115351/REB 92-01 PC **A18**/MF **A04**

Proceedings: The 1991 International Symposium on Radon and Radon Reduction Technology. Volume 2. Symposium Oral Papers Technical Sessions 6 through 10.
PB92-115369/REB 92-01 PC **A19**/MF **A04**

Proceedings: The 1991 International Symposium on Radon and Radon Reduction Technology. Volume 3. Symposium Panel and Poster Papers Technical Sessions 1 through 5.
PB92-115377/REB 92-01 PC **A20**/MF **A04**

Proceedings: The 1991 International Symposium on Radon and Radon Reduction Technology. Volume 4. Symposium Poster Papers Technical Sessions 6 through 10.
PB92-115385/REB 92-01 PC **A13**/MF **A03**

Parametric Analysis of the Installation and Operating Costs of Active Soil Depressurization Systems for Residential Radon Mitigation.
PB92-116037/REB 92-01 PC **A07**/MF **A02**

Modeling Air Flow Dynamics in Radon Mitigation Systems: A Simplified Approach.
PB92-120427/REB 92-01 PC **A02**/MF **A01**

Cost Analysis of Soil Depressurization Techniques for Indoor Radon Reduction.
PB92-120443/REB 92-01 PC **A03**/MF **A01**

National Radon Contractor Proficiency (RCP) Program. Proficiency Report, January 1992.
PB92-120914/REB 92-01 PC **A10**/MF **A03**

U.S. EPA Office of Research and Development Overview of Current Radon Research.
PB92-121250/REB 92-01 PC **A02**/MF **A01**

Sub-Slab Pressure Field Extension in Schools and Other Large Buildings.
PB92-121268/REB 92-01 PC **A03**/MF **A01**

Effect of Natural Ventilation on Radon and Radon Progeny Levels in Houses.
PB92-124148/REB 92-01 PC **A03**/MF **A01**

Recommended HVAC Standard of the Florida Radon Research Program.
PB92-147909/REB 92-01 PC **A03**/MF **A01**

Radon Pressure Differential Project, Phase 1, Florida Radon Research Program.
PB92-148519/REB 92-01 PC **A04**/MF **A01**

Assessment of Diagnostic Measurements for Selection for Residential Radon Mitigation.
PB92-153725/REB 92-01 PC **A03**/MF **A01**

Dosimetry of Localized Accumulations of Cigarette Smoke and Radon Progeny at Bifurcations.
PB92-164847/REB 92-01 PC **A03**/MF **A01**

Natural Basement Ventilation as a Radon Mitigation Technique.
PB92-166958/REB 92-01 PC **A03**/MF **A01**

National Radon Measurement Proficiency Program: Individual Proficiency Report.
PB92-169473/REB 92-04 PC **A06**/MF **A02**

Radon Reduction and Radon-Resistant Construction Demonstrations in New York State.
PB92-174051/REB 92-01 PC **A20**/MF **A04**

Radon Prevention in the Design and Construction of *Schools and other Large Buildings.*
PB92-180298/REB 92-01 PC **A01**/MF **A01**

Effects of Natural and Forced Basement Ventilation on Radon Levels in Single Family Dwellings.
PB92-192194/REB 92-01 PC **A04**/MF **A01**

Simplified Modeling of Air Flow Dynamics in SSD Radon Mitigation Systems for Residences with Gravel Beds.
PB92-195635/REB 92-01 PC **A05**/MF **A01**

Costs of Radon Diagnostics and Mitigation in School Buildings.
PB92-198282/REB 92-04 PC **A03**/MF **A01**

Case Study of Radon Diagnostics and Mitigation in a New York State School.
PB92-198571/REB 92-04 PC **A02**/MF **A01**

Modeling Radon Entry into Florida Houses with Concrete Slabs and Concrete-Block Stem Walls.
PB92-201128/REB 92-04 PC **A06**/MF **A02**

National Radon Contractor Proficiency (RCP) Program. Proficiency Report, July 1992.
PB92-206150/REB 92-04 PC **A12**/MF **A03**

Indoor Radon and Radon Decay Product Measurement Device Protocols.
PB92-206176/REB 92-04 PC **A06**/MF **A02**

Data Logging Systems for Monitoring Long-Term Radon Mitigation *Experimental Programs in Schools and Other* Large Buildings.
PB92-206580/REB 92-04 PC **A03**/MF **A01**

HVAC Systems in the Current Stock of U.S. K-12 Schools.
PB92-218338/REB 92-04 PC **A04**/MF **A01**

Technical Support Document for the 1992 Citizen's Guide to Radon.
PB92-218395/REB 92-04 PC **A08**/MF **A02**

Carcinogenic Risk of Non-Uniform Alpha Particle Irradiation in the Lungs: Radon Progeny Effects at Bronchial Bifurcations.
PB92-227545/REB 92-04 PC **A02**/MF **A01**

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Measurement of the Biotransfer and Time Constant of Radon from Ingested Water by Human Breath Analysis.
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PB92-104348/REB 92-01 PC **A01**/MF **A01**

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Effect of Sub-Grid-Scale Rainfall Analysis on Sulfate Wet Deposition Estimates in the Regional Lagrangian Model of Air Pollution (RELMAP).
PB92-158526/REB 92-01 PC **A02**/MF **A01**

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Superfund Record of Decision (EPA Region 1): Mottolo Pig Farm, Raymond, NH. (First Remedial Action), March 1991.
PB92-963705/REB 92-01 PC **A08**/MF **A02**

REACTION KINETICS

Kinetics of Chemical Weathering: A Comparison of Laboratory and Field Weathering Rates (Chapter 17).
PB92-143858/REB 92-01 PC **A03**/MF **A01**

Determination of Rates of Reaction in the Gas-Phase in *the Troposphere. Theory and Practice. 3. Rate of Indirect* Photoreaction.
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Determination of Rates of Reaction in the Gas-Phase in the Troposphere. Theory and Practice. 4. Rate of Indirect Photoreaction.
PB92-150382/REB 92-01 PC **A05**/MF **A01**

Hydroxyl Radical Formation in Aqueous Reactions (pH 3-8) of Iron(II) with Hydrogen Peroxide: The Photo-Fenton Reaction.
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QSARs for Predicting Biotic and Abiotic Reductive Transformation Rate Constants of Halogenated Hydrocarbons in Anoxic Sediment Systems.
PB92-166792/REB 92-01 PC **A03**/MF **A01**

QSARs for Predicting Reductive Transformation Rate Constants of Halogenated Aromatic Hydrocarbons in Anoxic Sediment Systems.
PB92-166800/REB 92-01 PC **A03**/MF **A01**

Reductive Transformations of Halogenated Aromatic Hydrocarbons in Anaerobic Water-Sediment Systems: Kinetics, Mechanisms and Products.
PB92-166818/REB 92-01 PC **A03**/MF **A01**

Protocols for Evaluating Oxidant Mechanisms for Urban and Regional Models.
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Guideline Series: Control of Volatile Organic Compound Emissions from Reactor Processes and Distillation Operations Processes in the Synthetic Organic Chemical Manufacturing Industry.
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RECORD OF DECISION

Superfund Record of Decision (EPA Region 1): Western Sand and Gravel, RI. (Second Remedial Action), September 1985.
PB92-183284/REB 92-04 PC **A04**/MF **A01**

ROD Annual Report, FY1991. Volume 2.
PB92-963360/REB 92-01 PC **A18**/MF **A04**

Superfund Record of Decision (EPA Region 1): Nyanza *Chemical Waste Dump, Operable Unit 2,* Ashland, MA. (Second Remedial Action), September 1991.
PB92-963704/REB 92-01 PC **A09**/MF **A02**

Superfund Record of Decision (EPA Region 1): Savage Municipal Water Supply, Milford, NH. (First Remedial Action), September 1991.
PB92-963706/REB 92-04 PC **A14**/MF **A03**

Superfund Record of Decision (EPA Region 1): Iron Horse Park, Billerica, MA. (Second Remedial Action), *June* 1991.
PB92-963707/REB 92-04 PC **A12**/MF **A03**

Superfund Record of Decision (EPA Region 1): Sullivan's Ledge Superfund Site, Middle Marsh Operable Unit, New Bedford, MA. (First Remedial Action), September 1991.
PB92-963708/REB 92-04 PC **A13**/MF **A03**

Superfund Record of Decision (EPA Region 1): Silresim Chemical, MA. (First Remedial Action), September 1991.
PB92-963709/REB 92-04 PC **A13**/MF **A03**

Superfund Record of Decision (EPA Region 1): Groveland Wells, Operable Unit 1, Groveland, MA. (Second Remedial Action), September 1991.
PB92-963710/REB 92-04 PC **A11**/MF **A03**

Superfund Record of Decision (EPA Region 2): Naval Air Engineering Center (Operable Unit 3), Lakehurst, NJ. (Fourth Remedial Action), September 1991.
PB92-963806/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 2): Mattiace Petrochemicals Co., Inc., Nassau County, Glen Cove, NY. (Second Remedial Action), June 1991.
PB92-963807/REB 92-04 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 2): Naval Air Engineering Center (Operable Unit 1), Lakehurst, NJ. (First Remedial Action), February 1991.
PB92-963808/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 2): Asbestos Dump, New Vernon Road and White Bridge Road Sites, Passaic Township, Meyersville, NJ. (Second Remedial Action), September 1991.
PB92-963809/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 2): Hooker Chemical S-Area, Niagara Falls, NY. (First Remedial Action), September 1990.
PB92-963812/REB 92-04 PC **A15**/MF **A03**

Superfund Record of Decision (EPA Region 2): NL Industries, Salem County, Pedricktown, NJ. (First Remedial Action), September 1991.
PB92-963813/REB 92-04 PC **A07**/MF **A02**

Superfund Record of Decision: Roebling Steel Company, Florence Township, Burlington County, NJ. (Second Remedial Action), September 1991.
PB92-963814/REB 92-04 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 2): Waldick Aerospace Devices, Wall Township, Monmouth County, NJ. (Second Remedial Action), March 1991.
PB92-963815/REB 92-04 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 2): Upper Deerfield Township Sanitary Landfill, Upper Deerfield Township, Cumberland County, NJ. (First Remedial Action), September 1991.
PB92-963816/REB 92-04 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 2): Nascolite Corporation, Doris Avenue, Cities of Millville and Vineland, Cumberland County, NJ. (Second Remedial Action), June 1991.
PB92-963817/REB 92-04 PC **A07**/MF **A02**

Superfund Record of Decision (EPA Region 2): General Motors/Central Foundry Division Site, St. Lawrence County, Massena, NY. (First Remedial Action), December 1990.
PB92-963818/REB 92-04 PC **A10**/MF **A03**

Superfund Record of Decision (EPA Region 2): Frontera Creek Site, Humacao, Puerto Rico (First Remedial Action), September 1991.
PB92-963819/REB 92-04 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 2): Fort Dix Landfill, Fort Dix Military Reservation, Pemberton Township, Burlington County, NJ. (First Remedial Action), September 1991.
PB92-963820/REB 92-04 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 2): Hertel Landfill, Town of Plattekill, Ulster County, NY. (First Remedial Action), September 1991.
PB92-963821/REB 92-04 PC **A05**/MF **A01**

Superfund Record of Decision (EPA Region 2): Colesville Municipal Landfill Site, Town of Colesville, Broome County, NY. (First Remedial Action), March 1991.
PB92-963822/REB 92-04 PC **A12**/MF **A03**

Superfund Record of Decision (EPA Region 2): Applied Environmental Services Site, Glenwood Landing, Nassau County, NY. (First Remedial Action), June 1991.
PB92-963823/REB 92-04 PC **A05**/MF **A01**

Superfund Record of Decision (EPA Region 2): Conklin Dumps, Broome County, Conklin, NY. (First Remedial Action), March 1991.
PB92-963824/REB 92-04 PC **A07**/MF **A02**

Superfund Record of Decision (EPA Region 2): Curcio Scrap Metal, Bergen County, Saddle Brook, NJ. (First Remedial Action), June 1991.
PB92-963825/REB 92-04 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 2): Warwick Landfill, Town of Warwick, Orange County, NY. (First Remedial Action), June 1991.
PB92-963826/REB 92-04 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 2): Sinclair Refinery, Allegany County, Wellsville, NY. (Second Remedial Action), September 1991.
PB92-963827/REB 92-04 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 2): Fibers Public Supply Wells, Guayama, PR. (First Remedial Action), September 1991.
PB92-963828/REB 92-04 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 2): White Chemical Corporation, Essex County, Newark, NJ. (First Remedial Action), September 1991.
PB92-963829/REB 92-04 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 3): Middletown Air Field Site, Middletown, PA. (Second Remedial Action), December 1990.
PB92-963904/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 3): Hellertown Manufacturing Company, Hellertown Borough, Northampton County, PA. (First Remedial Action), September 1991.
PB92-963905/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 3): Hebelka Auto Salvage Yard, Weisenber Township, Lehigh County, PA. (Second Remedial Action), September 1991.
PB92-963906/REB 92-01 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 3): Dorney Road Landfill Site, Upper Macungie Township, Lehigh County, PA. (Second Remedial Action), September 1991.
PB92-963907/REB 92-01 PC **A05**/MF **A01**

Superfund Record of Decision (EPA Region 3): USA Letterkenny - PDO, Chambersburg, PA. (First Remedial Action), August 1991.
PB92-963910/REB 92-01 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 3): William Dick Lagoons, West Caln Township, Chester County, PA. (First Remedial Action), June 1991.
PB92-963921/REB 92-04 PC **A07**/MF **A02**

Superfund Record of Decision (EPA Region 3): Havertown PCP (Pentachlorophenol), Haverford Township, Delaware County, PA. (Second Remedial Action), September 1991.
PB92-963922/REB 92-04 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 3): Sealand Limited Site, Mt. Pleasant, DE. (First Remedial Action), September 1991.
PB92-963923/REB 92-04 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 3): First Piedmont Rock Quarry/Route 719 Site, Danville, VA. (First Remedial Action), June 1991.
PB92-963924/REB 92-04 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 3): Arrowhead Associates/Scovill, Montross, VA. (First Remedial Action), September 1991.
PB92-963925/REB 92-04 PC **A05**/MF **A01**

Superfund Record of Decision (EPA Region 3): Whitmoyer Laboratories (Operable Unit 3), Lebanon County, PA. (Third Remedial Action), December 1990.
PB92-963926/REB 92-04 PC **A05**/MF **A01**

Superfund Record of Decision (EPA Region 3): Saunders Supply Company, Chuckatuck, VA. (First Remedial Action), September 1991.
PB92-963927/REB 92-04 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 3): Old City of York Landfill, Springfield Township, York County, PA. (First Remedial Action), September 1991.
PB92-963928/REB 92-04 PC **A05**/MF **A01**

Superfund Record of Decision (EPA Region 3): Dixie Caverns County Landfill, Roanoke County, VA. (First Remedial Action), September 1991.
PB92-963929/REB 92-04 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 3): Greenwood Chemical Site, Operable Unit 2, Newtown, VA. (Second Remedial Action), December 1990.
PB92-963930/REB 92-04 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 3): McAdoo Associates, (Operable Unit 2), Schuylkill County, PA. (Third Remedial Action), September 1991.
PB92-963932/REB 92-04 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 3): Eastern Diversified Metals, Schuylkill County, PA. (First Remedial Action), March 1991.
PB92-963933/REB 92-04 PC **A05**/MF **A01**

Superfund Record of Decision (EPA Region 4): USAF Robins Air Force Base, Warner Robins, Houston County, GA. (First Remedial Action), June 1991.
PB92-964002/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 4): Petroleum Products Corporation Site, Operable Unit 1, Pembroke Park, Broward County, FL. (First Remedial Action), October 1990.
PB92-964007/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 4): Sangamo/Twelve-Mile Creek, Lake Hartwell PCB Contamination Site, Pickens, SC. (First Remedial Action), December 1990.
PB92-964008/REB 92-01 PC **A11**/MF **A03**

Superfund Record of Decision (EPA Region 4): Medley Farms, Cherokee County, Gaffney, SC. (First Remedial Action), May 1991.
PB92-964009/REB 92-01 PC **A09**/MF **A02**

Superfund Record of Decision (EPA Region 4): Arlington Blending and Packaging, Shelby County, Arlington, TN. (First Remedial Action), June 1991.
PB92-964014/REB 92-04 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 4): Maxey Flats Nuclear Disposal Site, Fleming County, KY. (First Remedial Action), September 1991.
PB92-964015/REB 92-04 PC **A09**/MF **A03**

Superfund Record of Decision (EPA Region 4): Interstate Lead (ILCO), Jefferson County, Leeds, AL. (First Remedial Action), September 1991.
PB92-964016/REB 92-04 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 4): Carolina Transformer Site, Cumberland County, Fayetteville, NC. (First Remedial Action), August 1991.
PB92-964017/REB 92-04 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 4): Velsicol Chemical, (First Operable Unit), Toone, TN. (First Remedial Action), June 1991.
PB92-964020/REB 92-04 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 4): Ciba-Geigy, Washington County, McIntosh, AL. (Second Remedial Action), September 1991.
PB92-964021/REB 92-04 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 4): Oak Ridge Reservation (USDOE), (Operable Unit 3), Anderson County, Oak Ridge, TN. (Second Remedial Action), September 1991.
PB92-964022/REB 92-04 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 4): Charles Macon Lagoon and Drum Storage, Richmond County, Cordova, NC. (First Remedial Action), September 1991.
PB92-964023/REB 92-04 PC **A07**/MF **A02**

Superfund Record of Decision (EPA Region 5): Novaco Industries, MI. (First Remedial Action), (Amendment), September 1991.
PB92-964104/REB 92-01 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 5): Pine Bend Sanitary Landfill, Dakota County, City of Inver Grove Heights, MN. (First Remedial Action), September 1991.
PB92-964119/REB 92-01 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 5): Pagel's Pit Site, Winnebago County, IL. (First Remedial Action), June 1991.
PB92-964120/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 5): MacGillis and Gibbs/Bell Lumber and Pole Co., New Brighton, MN. (First Remedial Action), September 1991.
PB92-964121/REB 92-01 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 5): Zanesville Well Field Site, Zanesville, OH. (First Remedial Action), September 1991.
PB92-964122/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 5): Buckeye Reclamation Landfill Site, Belmont County, OH. (First Remedial Action), August 1991.
PB92-964123/REB 92-04 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 5): Lemberger Transport and Recycling, Manitowoc County, WI. (First Remedial Action), September 1991.
PB92-964124/REB 92-04 PC **A05**/MF **A01**

Superfund Record of Decision (EPA Region 5): U.S. DOI Sangamo/Crab Orchard National Wildlife Refuge, Carterville, IL. (First Remedial Action), March 1990.
PB92-964125/REB 92-04 PC **A05**/MF **A02**

Superfund Record of Decision (EPA Region 5): Carter Industrials Site, Detroit, MI. (First Remedial Action), September 1991.
PB92-964126/REB 92-04 PC **A08**/MF **A02**

Superfund Record of Decision (EPA Region 5): Ossineke Groundwater Contamination Site, Alpena County, Ossineke, MI. (First Remedial Action), June 1991.
PB92-964127/REB 92-04 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 5): Stoughton City Landfill Site, Stoughton, WI. (First Remedial Action), September 1991.
PB92-964128/REB 92-04 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 5): National Presto Industries, Eau Claire, WI. (Second Remedial Action), September 1991.
PB92-964129/REB 92-04 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 5): South Macomb Disposal No. 9 and 9A, Macomb County, MI. (First Remedial Action), August 1991.
PB92-964130/REB 92-04 PC **A05**/MF **A01**

Superfund Record of Decision (EPA Region 5): Fultz Landfill, Byesville, OH. (First Remedial Action), September 1991.
PB92-964131/REB 92-04 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 5): Berlin and Farro Site, Swartz Creek, MI. (First Remedial Action), September 1991.
PB92-964132/REB 92-04 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 5): Lemberger Landfill Site, Manitowoc County, WI. (First Remedial Action), September 1991.
PB92-964133/REB 92-04 PC **A05**/MF **A01**

Superfund Record of Decision (EPA Region 5): Michigan Disposal Service (Cork Street) Landfill, Kalamazoo, MI. (First Remedial Action), September 1991.
PB92-964134/REB 92-04 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 5): Thermo Chem Site, (Operable Unit 1), Muskegon County, MI. (First Remedial Action), September 1991.
PB92-964135/REB 92-04 PC **A05**/MF **A01**

Superfund Record of Decision (EPA Region 7): Hastings Groundwater Contamination (Operable Unit 10), Hastings, NE. (Seventh Remedial Action), September 1991.
PB92-964303/REB 92-01 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 7): Hastings Ground Water Contamination (Operable Unit 1), Hastings, NE. (Second Remedial Action), September 1991.
PB92-964304/REB 92-04 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 7): Kem-Pest Laboratories Site, Cape Girardeau County, MO. (Second Remedial Action), December 1990.
PB92-964305/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 7): E.I. Dupont De Nemours (County Road X23), Lee County, West Point, IA. (First Remedial Action), May 1991.
PB92-964306/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 7): John Deere (Ottumwa Works Landfill), Ottumwa, IA. (First Remedial Action), September 1991.
PB92-964308/REB 92-04 PC **A05**/MF **A01**

Superfund Record of Decision (EPA Region 7): Shaw Avenue Dump Site, Charles City, Floyd County, IA. (First Remedial Action), September 1991.
PB92-964309/REB 92-04 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 7): Mid-America Tanning Site, Sergeant Bluff, IA. (First Remedial Action), September 1991.
PB92-964310/REB 92-04 PC **A07**/MF **A02**

Superfund Record of Decision (EPA Region 7): Lehigh Portland Cement Company, Mason City, IA. (First Remedial Action), June 1991.
PB92-964311/REB 92-04 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 8): Rocky Mountain Arsenal (Operable Unit 26), CO. (Tenth Remedial Action), September 1991.
PB92-964403/REB 92-04 PC **A09**/MF **A02**

Superfund Record of Decision (EPA Region 8): Anaconda Smelter Site, (Operable Unit 11 - Flue Dust), Deer Lodge

County, Anaconda, MT. (Second Remedial Action), September 1991.
PB92-964404/REB 92-04 PC **A10**/MF **A03**

Superfund Record of Decision (EPA Region 8): Rocky Mountain Arsenal (Operable Unit 21), CO. (Ninth Remedial Action), June 1991.
PB92-964405/REB 92-04 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 8): Central City-Clear Creek Site, (Operable Unit 3), Clear Creek and Gilpin Counties, CO. (Third Remedial Action), September 1991.
PB92-964406/REB 92-04 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 9): National Semiconductor (Monolithic Memories), CA. (First Remedial Action), September 1991.
PB92-964502/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 9): Monolithic Memories (Advanced Micro Devices - Arques) (National Semiconductor), CA. (First Remedial Action), September 1991.
PB92-964503/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 9): Advanced Micro Devices 901, (Signetics), (TRW Microwave), Sunnyvale, CA. (First Remedial Action), September 1991.
PB92-964504/REB 92-04 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 9): Teledyne Semiconductor (Spectra Physics), Mountain View, CA. (First Remedial Action), March 1991.
PB92-964505/REB 92-01 PC **A05**/MF **A01**

Superfund Record of Decision (EPA Region 9): Van Waters and Rogers, San Jose, CA. (First Remedial Action), September 1991.
PB92-964506/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 9): Signetics (Advanced Micro Devices 901) (TRW Microwave), Sunnyvale, CA. (First Remedial Action), September 1991.
PB92-964507/REB 92-01 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 9): Castle Air Force Base, Merced County, CA. (First Remedial Action), August 1991.
PB92-964508/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 9): Micro Storage/Intel Magnetics, Santa Clara, CA. (First Remedial Action), August 1991.
PB92-964511/REB 92-04 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 9): FMC (Fresno Plant), Fresno, CA. (First Remedial Action), June 1991.
PB92-964512/REB 92-04 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 9): Sola Optical USA, Inc., Petaluma, CA. (First Remedial Action), September 1991.
PB92-964515/REB 92-04 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 9): CTS Printex Corporation, Mountain View, CA. (First Remedial Action), June 1991.
PB92-964516/REB 92-04 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 9): Valley Wood Preserving Site, Turlock, CA. (First Remedial Action), September 1991.
PB92-964517/REB 92-04 PC **A07**/MF **A02**

Superfund Record of Decision (EPA Region 9): TRW Microwave, (Advanced Micro Devices 901), (Signetics), Sunnyvale, CA. (First Remedial Action), September 1991.
PB92-964518/REB 92-04 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 9): Spectra-Physics, (Teledyne Semiconductor), Mountain View, CA. (First Remedial Action), March 1991.
PB92-964519/REB 92-04 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 9): Advanced Micro Devices 915, Sunnyvale, CA. (First Remedial Action), August 1991.
PB92-964520/REB 92-04 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 10): Bangor Naval Submarine Base, Site F (Operable Unit 2), Bangor, WA. (First Remedial Action), September 1991.
PB92-964603/REB 92-01 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 10): Commencement Bay-Nearshore/Tideflats (Operable Unit 7), Tacoma, WA. (Third Remedial Action), December 1990.
PB92-964604/REB 92-01 PC **A17**/MF **A04**

Superfund Record of Decision (EPA Region 10): American Lake Gardens (McChord AFB - Area D), Pierce County, WA. (First Remedial Action), September 1991.
PB92-964605/REB 92-04 PC **A05**/MF **A02**

Superfund Record of Decision (EPA Region 10): Union Pacific Railroad Yard, Bannock County, Pocatello, ID. (First Remedial Action), September 1991.
PB92-964606/REB 92-04 PC **A08**/MF **A02**

Superfund Record of Decision (EPA Region 10): Yakima Plating Facility, Yakima, WA. (First Remedial Action), September 1991.
PB92-964607/REB 92-04 PC **A05**/MF **A01**

Superfund: Record of Decision.
PB92-964700/REB 92-01 Standing Order

RECOVERY

Guide for Conducting Treatability Studies under CERCLA: Soil Vapor Extraction. Interim Guidance.
PB92-227271/REB 92-04 PC **A05**/MF **A01**

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Lignocellulosic-Plastic Composites from Recycled Materials.
PB92-126861/REB 92-01 PC **A03**/MF **A01**

RECYCLING

Automotive and Heavy-Duty Engine Coolant Recycling by Filtration. Technology Evaluation Report.
PB92-126804/REB 92-01 PC **A05**/MF **A01**

Potential Reuse of Petroleum-Contaminated Soil: A Directory of Permitted Recycling Facilities.
PB92-173780/REB 92-04 PC **A03**/MF **A01**

Mobile Air-Conditioning Recycling Manual.
PB92-235688/REB 92-04 PC **A08**/MF **A02**

RED SPRUCE TREES

Foliar Injury Symptoms and Pigment Concentrations in Red Spruce Saplings in the Southern Appalachians.
PB92-113216/REB 92-01 PC **A02**/MF **A01**

REDUCTION

Surface-Coating-Free Materials and Reduction of VOC Emissions from Coating Operations.
PB92-206614/REB 92-04 PC **A03**/MF **A01**

REDUCTION (CHEMISTRY)

Reduction of Nitrobenzene by Four Sulfide Minerals: Kinetics, Products, and Solubility.
PB92-153816/REB 92-01 PC **A02**/MF **A01**

REFER DATA BASE

SELCTV System Manual for SELCTV and REFER Databases and the SELCTV Data Management Program.
PB92-113455/REB 92-01 PC **A04**/MF **A01**

REFLEXES

Reflex Modification and the Assessment of Sensory Dysfunction.
PB92-166339/REB 92-01 PC **A03**/MF **A01**

REFORESTATION

Proceedings of the International Workshop on Large-Scale Reforestation. Held in Corvallis, Oregon on May 9-10, 1990.
PB92-109131/REB 92-01 PC **A08**/MF **A02**

REFRIGERANT CONDENSERS

QAQPS Control Cost Manual (Fourth Edition). Supplement 1.
PB92-137181/REB 92-01 PC **A05**/MF **A01**

REFRIGERANTS

Performance of Chlorine-Free Binary Zeotropic Refrigerant Mixtures in a Heat Pump.
PB92-149814/REB 92-01 PC **A05**/MF **A01**

EPA's Research Projects Relating to the Dual-Circuit and Lorenz Refrigerator/Freezers.
PB92-150630/REB 92-01 PC **A01**/MF **A01**

Simulation Results of Single Refrigerants for Use in a Dual-Circuit Refrigerator/Freezer.
PB92-153790/REB 92-01 PC **A01**/MF **A01**

Thermophysical Properties of Gaseous Refrigerants from Speed-of-Sound Measurements. 2. Results for 1,1-dichloro-1-fluoroethane (CCl2FCH3).
PB92-154277 92-01 Not available NTIS

Predictions of Azeotropes Formed from Fluorinated Ethers, Ethanes, and Propanes.
PB92-195908/REB 92-01 PC **A03**/MF **A01**

Thermodynamic Evaluation of Predicted Fluorinated Ether, Ethane, and Propane Azeotropes.
PB92-198241/REB 92-04 PC **A03**/MF **A01**

Mobile Air-Conditioning Recycling Manual.
PB92-235688/REB 92-04 PC **A08**/MF **A02**

REFRIGERATING MACHINERY

Design and Optimization of a Refrigeration System.
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Review of Energy Efficiency of Refrigerator/Freezer Gaskets.
PB92-106913/REB 92-01 PC **A03**/MF **A01**

EPA's Research Projects Relating to the Dual-Circuit and Lorenz Refrigerator/Freezers.
PB92-150630/REB 92-01 PC **A01**/MF **A01**

Simulation Results of Single Refrigerants for Use in a Dual-Circuit Refrigerator/Freezer.
PB92-153790/REB 92-01 PC **A01**/MF **A01**

Energy Use of Ice Making in Domestic Refrigerators.
PB92-232206/REB 92-04 PC **A03**/MF **A01**

REFUELING

Technical Guidance: State II Vapor Recovery Systems for Control of Vehicle Refueling Emissions at Gasoline Dispensing Facilities. Volume 1. Chapters.
PB92-132844/REB 92-01 PC **A10**/MF **A03**

Technical Guidance: Stage II Vapor Recovery Systems for Control of Vehicle Refueling Emissions at Gasoline Dispensing Facilities. Volume 2. Appendices.
PB92-132851/REB 92-01 PC **A20**/MF **A04**

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Burning Tires for Fuel and Tire Pyrolysis: Air Implications.
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REGIONAL ACID DEPOSITION MODEL

Diagnostic Evaluation of Regional Acid Deposition Model (RADM) Performance during a Period of Frontal Passage Using Aircraft Measurements.
PB92-152958/REB 92-01 PC **A06**/MF **A02**

Investigation of RADM Performance Using Aircraft Measurements.
PB92-152974/REB 92-01 PC **A02**/MF **A01**

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PB92-152982/REB 92-01 PC **A02**/MF **A01**

AcidMODES: A Major Field Study to Evaluate Regional Scale Air Pollution Models.
PB92-158518/REB 92-01 PC **A03**/MF **A01**

REGIONAL ANALYSIS

Regional Assessment of Aquifer Vulnerability and Sensitivity in the Conterminous United States.
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Diagnostic Evaluation of Regional Acid Deposition Model (RADM) Performance during a Period of Frontal Passage Using Aircraft Measurements.
PB92-152958/REB 92-01 PC **A06**/MF **A02**

Ecological Regions versus Hydrologic Units: Frameworks for Managing Water Quality.
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AcidMODES: A Major Field Study to Evaluate Regional Scale Air Pollution Models.
PB92-158518/REB 92-01 PC **A03**/MF **A01**

REGIONAL LAGRANGIAN MODEL OF AIR POLLUTION

Effect of Sub-Grid-Scale Rainfall Analysis on Sulfate Wet Deposition Estimates in the Regional Lagrangian Model of Air Pollution (RELMAP).
PB92-158526/REB 92-01 PC **A02**/MF **A01**

REGIONAL OXIDANT MODEL

Regional Oxidant Model (ROM) User's Guide. Part 4: The ROM System User Tutorial (Processor Network and Core Model).
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Estimating Natural Emissions for EPA's Regional Oxidant Model.
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New Developments in Emission Projection Methodologies.
PB92-139393/REB 92-01 PC **A02**/MF **A01**

Gridded Model Information Support System (GMISS) User's Guide. Volume 3. Model Concentration Data Retrieval Subsystem.
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Regional Oxidant Model (ROM), (Source Code Only) (Version 2.1).
PB92-500842/REB 92-01 MagTape$1500.00

Regional Oxidant Model (ROM), Source Code and Test Data (Version 2.1).
PB92-500859/REB 92-01 MagTape$4000.00

REGIONAL OZONE MODELING FOR NORTHEAST TRANSPORT PROJECT

Regional Ozone Modeling for Northeast Transport (ROMNET).
PB92-108786/REB 92-01 PC **A15**/MF **A03**

Regional Ozone Modeling for Northeast Transport (ROMNET). Appendices.
PB92-108794/REB 92-01 PC **A15**/MF **A03**

REGIONAL PLANNING

EPA's Review and Approval Procedure for State Submitted TMDLs/WLAs.
PB92-231588/REB 92-04 PC **A03**/MF **A01**

REGISTRATION

Pesticide Fact Sheet Number 231: Prodiamine.
PB92-145416/REB 92-01 PC **A03**/MF **A01**

General Information on Applying for Registration of Pesticides in the United States. Second Edition (for Microcomputers).
PB92-504356/REB 92-04 CP **D02**

REGRESSION ANALYSIS

Prediction of Octanol/Water Partition Coefficient (K sub ow) with Algorithmically Derived Variables.
PB92-217348/REB 92-04 PC **A02**/MF **A01**

REGULATIONS

Inside the Hotline: A Compilation of 1991 Monthly Hotline Reports.
PB92-131390/REB 92-01 PC **A04**/MF **A01**

Your Drinking Water: From Source to Tap EPA Regulations and Guidance.
PB92-140599/REB 92-01 PC **A03**/MF **A01**

Safe Drinking Water Act: 1986 Amendments.
PB92-140607/REB 92-01 PC **A02**/MF **A01**

Technical Implementation Document for EPA's Boiler and Industrial Furnace Regulations.
PB92-154947/REB 92-01 PC **A11**/MF **A03**

Compliance Concerns with the New Coliform Regulation.
PB92-179696/REB 92-01 PC **A02**/MF **A01**

Safe Drinking Water from Small Systems: Treatment Options.
PB92-198605/REB 92-04 PC **A02**/MF **A01**

Reregistration Eligibility Document (RED): Citric Acid.
PB92-221829/REB 92-04 PC **A06**/MF **A02**

RED Facts: Citric Acid.
PB92-221837/REB 92-04 PC **A01**/MF **A01**

RED Facts: 'Allium sativum' (Garlic).
PB92-233139/REB 92-04 PC **A01**/MF **A01**

EPA's Pesticide Programs.
PB92-233147/REB 92-04 PC **A03/MF A01**

Pesticide Fact Sheet Number 237: Oxadixyl. (New Chemical Registration).
PB92-238492/REB 92-04 PC **A02/MF A01**

Pesticide Fact Sheet Number 238: 'Pseudomonas fluorescens' and 'Pseudomonas syringae' Strains.
PB92-238500/REB 92-04 PC **A02/MF A01**

REID VAPOR PRESSURE

Effects of RVP on Emissions at 20F Ambient Temperature.
PB92-143684/REB 92-01 PC **A03/MF A01**

REMEDIAL ACTION

Compendium of CERCLA ARARs fact sheets and directives.
DE92004878/REB 92-01 PC **A12/MF A03**

Superfund Engineering Issue: Issues Affecting the Applicability and Success of Remedial/Removal Incineration Projects.
PB92-109081/REB 92-01 PC **A03/MF A01**

Stabilization Technologies for RCRA Corrective Actions. Handbook.
PB92-114495/REB 92-01 PC **A04/MF A01**

Selection of Control Technologies for Remediation of Lead Battery Recycling Sites.
PB92-114537/REB 92-01 PC **A08/MF A02**

Hydraulic Fracturing to Improve Nutrient and Oxygen Delivery for In situ Bioreclamation.
PB92-121334/REB 92-01 PC **A03/MF A01**

Toxicological Implementations of Remediating Hazardous Wastes.
PB92-124171/REB 92-01 PC **A03/MF A01**

Soil-Air Permeability Method Evaluation.
PB92-124239/REB 92-01 PC **A02/MF A01**

U.S. EPA SITE Demonstration of AWD Technologies' AquaDetox/SVE System.
PB92-124387/REB 92-01 PC **A02/MF A01**

Bench-Scale Evaluation of Alternative Biological Treatment Processes for the Remediation of Pentachlorophenol- and Creosote-Contaminated Materials: Slurry-Phase Bioremediation.
PB92-129683/REB 92-01 PC **A02/MF A01**

Bench-Scale Evaluation of Alternative Biological Treatment Processes for the Remediation of Pentachlorophenol- and Creosote-Contaminated Materials: Solid-Phase Bioremediation.
PB92-129725/REB 92-01 PC **A03/MF A01**

Air/Superfund National Technical Guidance Study Series: Estimation of Air Impacts for Soil Vapor Extraction (SVE) Systems.
PB92-143676/REB 92-01 PC **A03/MF A01**

Development of a National Consensus Standard for Quality Assurance for Environmental Programs.
PB92-143783/REB 92-01 PC **A03/MF A01**

Reclamation and Redevelopment of Contaminated Land. Volume 2. European Case Studies.
PB92-146166/REB 92-01 PC **A13/MF A03**

Base Realignment and Closure 'How-to' Manual for Compliance with the National Environment Policy Act.
PB92-146281/REB 92-01 PC **A15/MF A03**

State Programs Advisory Number Nine.
PB92-149285/REB 92-01 PC **A99/MF E16**

Control Technologies for Defunct lead Battery Recycling Sites: Overview and Recent Developments. Volume 3.
PB92-150416/REB 92-01 PC **A03/MF A01**

Developments in Chemical Treatment of Contaminated Soil.
PB92-152933/REB 92-01 PC **A03/MF A01**

PAST: The Potential ARARs Selection Tool.
PB92-152941/REB 92-01 PC **A02/MF A01**

Technology Evaluation Report: SITE Program Demonstration of the DuPont/Oberlin Microfiltration Technology.
PB92-153410/REB 92-01 PC **A06/MF A02**

Technical Aspects of Underground Storage Tank Closure.
PB92-161199/REB 92-01 PC **A04/MF A01**

General Methods for Remedial Operations Performance Evaluations.
PB92-166842/REB 92-01 PC **A03/MF A01**

Annual Risk Reduction Engineering Laboratory Research Symposium (18th) Abstract Proceedings. Held in Cincinnati, Ohio on April 14-16, 1992.
PB92-166859/REB 92-01 PC **A11/MF A03**

Study to Determine the Feasibility of Using a Ground-Penetrating Radar for More Effective Remediation of Subsurface Contamination.
PB92-169382/REB 92-04 PC **A06/MF A02**

Guide for Conducting Treatability Studies under CERCLA: Soil Washing. Interim Guidance.
PB92-170570/REB 92-01 PC **A03/MF A01**

Guide for Conducting Treatability Studies under CERCLA: Soil Washing: Quick Reference Fact Sheet.
PB92-170588/REB 92-01 PC **A02/MF A01**

Air/Superfund National Technical Guidance Study Series. Guideline for Predictive Baseline Emissions Estimation Procedures for Superfund Sites.
PB92-171909/REB 92-01 PC **A03/MF A01**

Air Superfund National Technical Guidance Study Series. Screening Procedures for Estimating the Air Impacts of Incineration at Superfund Sites.
PB92-171917/REB 92-01 PC **A04/MF A01**

Air Superfund National Technical Guidance Study Series. Estimation of Air Impacts for the Excavation of Contaminated Soil.
PB92-171925/REB 92-01 PC **A04/MF A01**

Innovative Treatment Technologies: Semi-Annual Status Report. (Third Edition).
PB92-173210/REB 92-01 PC **A05/MF A01**

Potential Reuse of Petroleum-Contaminated Soil: A Directory of Permitted Recycling Facilities.
PB92-173780/REB 92-04 PC **A03/MF A01**

Innovative Treatment Technologies: Overview and Guide to Information Sources.
PB92-179001/REB 92-01 PC **A20/MF A04**

Demonstration of Waste Treatment Technologies.
PB92-179670/REB 92-01 PC **A02/MF A01**

Remediation of Leaking USTs: A System for Accessing Case Histories and Related Documents.
PB92-179803/REB 92-01 PC **A02/MF A01**

Control of Air Emissions from Materials Handling during Remediation. Engineering Bulletin.
PB92-180041/REB 92-01 PC **A02/MF A01**

Granular Activated Carbon Treatment. Engineering Bulletin.
PB92-180058/REB 92-01 PC **A02/MF A01**

Chemical Oxidation Treatment. Engineering Bulletin.
PB92-180066/REB 92-01 PC **A02/MF A01**

Chemical Enhancements to Pump-and-Treat Remediation. Ground Water Issue.
PB92-180074/REB 92-01 PC **A03/MF A01**

Superfund Record of Decision (EPA Region 1): Western Sand and Gravel, RI. (Second Remedial Action), September 1985.
PB92-183284/REB 92-04 PC **A04/MF A01**

Inactive and Abandoned Noncoal Mines. Volume 1. A Scoping Study.
PB92-190115/REB 92-01 PC **A07/MF A02**

Inactive and Abandoned Noncoal Mines. Volume 2. State Reports.
PB92-190123/REB 92-01 PC **A19/MF A04**

Inactive and Abandoned Noncoal Mines. Volume 3. Appendix: State Reports.
PB92-190131/REB 92-01 PC **A14/MF A03**

Surfactant-Enhanced Solubilization of Tetrachloroethylene and Degradation Products in Pump and Treat Remediation.
PB92-191121/REB 92-01 PC **A03/MF A01**

Closure of a Dioxin Incineration Facility.
PB92-191170/REB 92-01 PC **A03/MF A01**

Solidification/Stabilization: Is It Always Appropriate.
PB92-191188/REB 92-01 PC **A03/MF A01**

Technical Support Services for Superfund Site Remediation and RCRA Corrective Action. Third Edition.
PB92-205657/REB 92-04 PC **A04/MF A01**

Effect of Bioremediation on the Mutagenicity of Oil Spilled in Prince William Sound, Alaska.
PB92-206374/REB 92-04 PC **A02/MF A01**

Higher Plant Accumulation of Organic Pollutants from Soils.
PB92-209378/REB 92-04 PC **A07/MF A02**

Characterizing Heterogeneous Wastes: Methods and Recommendations (March 26-28, 1991).
PB92-216894/REB 92-04 PC **A08/MF A02**

TCE Removal from Contaminated Soil and Ground Water. Ground Water Issue.
PB92-224104/REB 92-04 PC **A03/MF A01**

Superfund Innovative Technology Evaluation Program: Technology Profiles, Fourth Edition.
PB92-224294/REB 92-04 PC **A10/MF A03**

In-situ Bioremediation of Contaminated Ground Water.
PB92-224336/REB 92-04 PC **A03/MF A01**

Technology Demonstration Summary, DuPont/Oberlin Microfiltration System, Palmerton, Pennsylvania. April-May 1992.
PB92-224351/REB 92-04 PC **A02/MF A01**

Technology Demonstration Summary: Bio Trol Soil Washing System for Treatment of a Wood Preserving Site.
PB92-224393/REB 92-04 PC **A02/MF A01**

Bioremediation in the Field: An Information Update on Applying Bioremediation to Site Cleanup. (Number 4).
PB92-224708/REB 92-04 PC **A03/MF A01**

Vendor Information System for Innovative Treatment Technologies (VISITT). Number 1.
PB92-224716/REB 92-04 PC **A02/MF A01**

Superfund Innovative Technology Evaluation Program: Progress and Accomplishments, Fiscal Year 1990. A Fourth Report to Congress.
PB92-224799/REB 92-04 PC **A05/MF A01**

Bioremediation in the Field. An Information Update on Applying Bioremediation to Site Clean-Up. Number 3.
PB92-224807/REB 92-04 PC **A03/MF A01**

Contaminants and Remedial Options at Wood Preserving Sites.
PB92-232222/REB 92-04 PC **A07/MF A02**

Correction of FY-92 Superfund Program Management Manual Definitions.
PB92-963266/REB 92-01 PC **A01/MF A01**

Superfund: Site Assessment and Remediation.
PB92-963300/REB 92-01 Standing Order

Accessing the $50 Million Set-Aside in the Remedial Action Budget for Quick Response at National Priorities List Sites.
PB92-963342/REB 92-01 PC **A01/MF A01**

Evaluation of Ground-Water Extraction Remedies: Phase 2. Volume 1. Summary Report.
PB92-963346/REB 92-04 PC **A03/MF A01**

Evaluation of Ground-Water Extraction Remedies: Phase 2. Volume 2. Case Studies and Updates.
PB92-963347/REB 92-04 PC **A19/MF A04**

Considerations in Ground-Water Remediation at Superfund Sites and RCRA Facilities: Update.
PB92-963358/REB 92-01 PC **A03/MF A01**

Superfund Accelerated Cleanup Bulletin: Presumptive Remedies for Wood Treatment Facilities. Volume 1, Number 2, May 1992.
PB92-963361/REB 92-04 PC **A01/MF A01**

ECO Update. Volume 1, Number 3. The Role of Natural Resource Trustees in the Superfund Process.
PB92-963369/REB 92-04 PC **A03/MF A01**

ECO Update. Volume 1, Number 4. Developing a Work Scope for Ecological Assessments.
PB92-963370/REB 92-04 PC **A03/MF A01**

Superfund Accelerated Cleanup Bulletin. Volume 1, Number 3. Presumptive Remedies.
PB92-963371/REB 92-04 PC **A01/MF A01**

Superfund Emergency Response Actions: A Summary of Federally-Funded Removals. Fifth Annual Report - Fiscal Year 1990.
PB92-963403/REB 92-01 PC **A08/MF A02**

Superfund Record of Decision (EPA Region 1): Nyanza Chemical Waste Dump, Operable Unit 2, Ashland, MA. (Second Remedial Action), September 1991.
PB92-963704/REB 92-01 PC **A09/MF A02**

Superfund Record of Decision (EPA Region 1): Savage Municipal Water Supply, Milford, NH. (First Remedial Action), September 1991.
PB92-963706/REB 92-04 PC **A14/MF A03**

Superfund Record of Decision (EPA Region 1): Iron Horse Park, Billerica, MA. (Second Remedial Action), June 1991.
PB92-963707/REB 92-04 PC **A12/MF A03**

Superfund Record of Decision (EPA Region 1): Sullivan's Ledge Superfund Site, Middle Marsh Operable Unit, New Bedford, MA. (First Remedial Action), September 1991.
PB92-963708/REB 92-04 PC **A13/MF A03**

Superfund Record of Decision (EPA Region 1): Silresim Chemical, MA. (First Remedial Action), September 1991.
PB92-963709/REB 92-04 PC **A13/MF A03**

Superfund Record of Decision (EPA Region 1): Groveland Wells, Operable Unit 1, Groveland, MA. (Second Remedial Action), September 1991.
PB92-963710/REB 92-04 PC **A11/MF A03**

Superfund Record of Decision (EPA Region 2): Naval Air Engineering Center (Operable Unit 3), Lakehurst, NJ. (Fourth Remedial Action), September 1991.
PB92-963806/REB 92-01 PC **A04/MF A01**

Superfund Record of Decision (EPA Region 2): Mattiace Petrochemicals Co., Inc., Nassau County, Glen Cove, NY. (Second Remedial Action), June 1991.
PB92-963807/REB 92-04 PC **A06/MF A02**

Superfund Record of Decision (EPA Region 2): Naval Air Engineering Center (Operable Unit 1), Lakehurst, NJ. (First Remedial Action), February 1991.
PB92-963808/REB 92-01 PC **A04/MF A01**

Superfund Record of Decision (EPA Region 2): Hooker Chemical S-Area, Niagara Falls, NY. (First Remedial Action), September 1990.
PB92-963812/REB 92-04 PC **A15/MF A03**

Superfund Record of Decision (EPA Region 2): NL Industries, Salem County, Pedricktown, NJ. (First Remedial Action), September 1991.
PB92-963813/REB 92-04 PC **A07/MF A02**

Superfund Record of Decision: Roebling Steel Company, Florence Township, Burlington County, NJ. (Second Remedial Action), September 1991.
PB92-963814/REB 92-04 PC **A04/MF A01**

Superfund Record of Decision (EPA Region 2): Waldick Aerospace Devices, Wall Township, Monmouth County, NJ. (Second Remedial Action), March 1991.
PB92-963815/REB 92-04 PC **A04/MF A01**

Superfund Record of Decision (EPA Region 2): Upper Deerfield Township Sanitary Landfill, Upper Deerfield Township, Cumberland County, NJ. (First Remedial Action), September 1991.
PB92-963816/REB 92-04 PC **A03/MF A01**

Superfund Record of Decision (EPA Region 2): Nascolite Corporation, Doris Avenue, Cities of Millville and Vineland, Cumberland County, NJ. (Second Remedial Action), June 1991.
PB92-963817/REB 92-04 PC **A07/MF A02**

Superfund Record of Decision (EPA Region 2): General Motors/Central Foundry Division Site, St. Lawrence

County, Massena, NY. (First Remedial Action), December 1990.
PB92-963818/REB 92-04 PC **A10**/MF **A03**

Superfund Record of Decision (EPA Region 2): Frontera Creek Site, Humacao, Puerto Rico (First Remedial Action), September 1991.
PB92-963819/REB 92-04 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 2): Fort Dix Landfill, Fort Dix Military Reservation, Pemberton Township, Burlington County, NJ. (First Remedial Action), September 1991.
PB92-963820/REB 92-04 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 2): Hertel Landfill, Town of Plattekill, Ulster County, NY. (First Remedial Action), September 1991.
PB92-963821/REB 92-04 PC **A05**/MF **A01**

Superfund Record of Decision (EPA Region 2): Colesville Municipal Landfill Site, Town of Colesville, Broome County, NY. (First Remedial Action), March 1991.
PB92-963822/REB 92-04 PC **A12**/MF **A03**

Superfund Record of Decision (EPA Region 2): Applied Environmental Services Site, Glenwood Landing, Nassau County, NY. (First Remedial Action), June 1991.
PB92-963823/REB 92-04 PC **A05**/MF **A01**

Superfund Record of Decision (EPA Region 2): Conklin Dumps, Broome County, Conklin, NY. (First Remedial Action), March 1991.
PB92-963824/REB 92-04 PC **A07**/MF **A02**

Superfund Record of Decision (EPA Region 2): Curcio Scrap Metal, Bergen County, Saddle Brook, NJ. (First Remedial Action), June 1991.
PB92-963825/REB 92-04 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 2): Warwick Landfill, Town of Warwick, Orange County, NY. (First Remedial Action), June 1991.
PB92-963826/REB 92-04 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 2): Sinclair Refinery, Allegany County, Wellsville, NY. (Second Remedial Action), September 1991.
PB92-963827/REB 92-04 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 2): Fibers Public Supply Wells, Guayama, PR. (First Remedial Action), September 1991.
PB92-963828/REB 92-04 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 2): White Chemical Corporation, Essex County, Newark, NJ. (First Remedial Action), September 1991.
PB92-963829/REB 92-04 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 3): Middletown Air Field Site, Middletown, PA. (Second Remedial Action), December 1990.
PB92-963904/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 3): Hellertown Manufacturing Company, Hellertown Borough, Northampton County, PA. (First Remedial Action), September 1991.
PB92-963905/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 3): Hebelka Auto Salvage Yard, Weisenber Township, Lehigh County, PA. (Second Remedial Action), September 1991.
PB92-963906/REB 92-01 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 3): Dorney Road Landfill Site, Upper Macungie Township, Lehigh County, PA. (Second Remedial Action), September 1991.
PB92-963907/REB 92-01 PC **A05**/MF **A01**

Superfund Record of Decision (EPA Region 3): William Dick Lagoons, West Caln Township, Chester County, PA. (First Remedial Action), June 1991.
PB92-963921/REB 92-04 PC **A07**/MF **A02**

Superfund Record of Decision (EPA Region 3): Havertown PCP (Pentachlorophenol), Haverford Township, Delaware County, PA. (Second Remedial Action), September 1991.
PB92-963922/REB 92-04 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 3): Sealand Limited Site, Mt. Pleasant, DE. (First Remedial Action), September 1991.
PB92-963923/REB 92-04 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 3): First Piedmont Rock Quarry/Route 719 Site, Danville, VA. (First Remedial Action), June 1991.
PB92-963924/REB 92-04 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 3): Arrowhead Associates/Scovill, Montross, VA. (First Remedial Action), September 1991.
PB92-963925/REB 92-04 PC **A05**/MF **A01**

Superfund Record of Decision (EPA Region 3): Whitmoyer Laboratories (Operable Unit 3), Lebanon County, PA. (Third Remedial Action), December 1990.
PB92-963926/REB 92-04 PC **A05**/MF **A01**

Superfund Record of Decision (EPA Region 3): Saunders Supply Company, Chuckatuck, VA. (First Remedial Action), September 1991.
PB92-963927/REB 92-04 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 3): Old City of York Landfill, Springfield Township, York County, PA. (First Remedial Action), September 1991.
PB92-963928/REB 92-04 PC **A05**/MF **A01**

Superfund Record of Decision (EPA Region 3): Dixie Caverns County Landfill, Roanoke County, VA. (First Remedial Action), September 1991.
PB92-963929/REB 92-04 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 3): Greenwood Chemical Site, Operable Unit 2, Newtown, VA. (Second Remedial Action), December 1990.
PB92-963930/REB 92-04 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 3): McAdoo Associates, (Operable Unit 2), Schuylkill County, PA. (Third Remedial Action), September 1991.
PB92-963932/REB 92-04 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 3): Eastern Diversified Metals, Schuylkill County, PA. (First Remedial Action), March 1991.
PB92-963933/REB 92-04 PC **A05**/MF **A01**

Superfund Record of Decision (EPA Region 4): Petroleum Products Corporation Site, Operable Unit 1, Pembroke Park, Broward County, FL. (First Remedial Action), October 1990.
PB92-964007/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 4): Sangamo/Twelve-Mile Creek, Lake Hartwell PCB Contamination Site, Pickens, SC. (First Remedial Action), December 1990.
PB92-964008/REB 92-01 PC **A11**/MF **A03**

Superfund Record of Decision (EPA Region 4): Medley Farms, Cherokee County, Gaffney, SC. (First Remedial Action), May 1991.
PB92-964009/REB 92-01 PC **A09**/MF **A02**

Superfund Record of Decision (EPA Region 4): Arlington Blending and Packaging, Shelby County, Arlington, TN. (First Remedial Action), June 1991.
PB92-964014/REB 92-04 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 4): Maxey Flats Nuclear Disposal Site, Fleming County, KY. (First Remedial Action), September 1991.
PB92-964015/REB 92-04 PC **A09**/MF **A03**

Superfund Record of Decision (EPA Region 4): Interstate Lead (ILCO), Jefferson County, Leeds, AL. (First Remedial Action), September 1991.
PB92-964016/REB 92-04 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 4): Carolina Transformer Site, Cumberland County, Fayetteville, NC. (First Remedial Action), August 1991.
PB92-964017/REB 92-04 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 4): Velsicol Chemical, (First Operable Unit), Toone, TN. (First Remedial Action), June 1991.
PB92-964020/REB 92-04 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 4): Ciba-Geigy, Washington County, McIntosh, AL. (Second Remedial Action), September 1991.
PB92-964021/REB 92-04 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 4): Oak Ridge Reservation (USDOE), (Operable Unit 3), Anderson County, Oak Ridge, TN. (Second Remedial Action), September 1991.
PB92-964022/REB 92-04 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 4): Charles Macon Lagoon and Drum Storage, Richmond County, Cordova, NC. (First Remedial Action), September 1991.
PB92-964023/REB 92-04 PC **A07**/MF **A02**

Superfund Record of Decision (EPA Region 5): Northside Sanitary Landfill (Enviro-Chem), Zionsville, IN. (First Remedial Action), (Amendment), June 1991.
PB92-964117/REB 92-01 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 5): Pine Bend Sanitary Landfill, Dakota County, City of Inver Grove Heights, MN. (First Remedial Action), September 1991.
PB92-964119/REB 92-01 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 5): Pagel's Pit Site, Winnebago County, IL. (First Remedial Action), June 1991.
PB92-964120/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 5): MacGillis and Gibbs/Bell Lumber and Pole Co., New Brighton, MN. (First Remedial Action), September 1991.
PB92-964121/REB 92-01 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 5): Zanesville Well Field Site, Zanesville, OH. (First Remedial Action), September 1991.
PB92-964122/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 5): Lemberger Transport and Recycling, Manitowoc County, WI. (First Remedial Action), September 1991.
PB92-964124/REB 92-04 PC **A05**/MF **A01**

Superfund Record of Decision (EPA Region 5): U.S. DOI Sangamo/Crab Orchard National Wildlife Refuge, Carterville, IL. (First Remedial Action), March 1990.
PB92-964125/REB 92-04 PC **A05**/MF **A02**

Superfund Record of Decision (EPA Region 5): Carter Industrials Site, Detroit, MI. (First Remedial Action), September 1991.
PB92-964126/REB 92-04 PC **A08**/MF **A02**

Superfund Record of Decision (EPA Region 5): Ossineke Groundwater Contamination Site, Alpena County, Ossineke, MI. (First Remedial Action), June 1991.
PB92-964127/REB 92-04 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 5): Stoughton City Landfill Site, Stoughton, WI. (First Remedial Action), September 1991.
PB92-964128/REB 92-04 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 5): National Presto Industries, Eau Claire, WI. (Second Remedial Action), September 1991.
PB92-964129/REB 92-04 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 5): South Macomb Disposal No. 9 and 9A, Macomb County, MI. (First Remedial Action). August 1991.
PB92-964130/REB 92-04 PC **A05**/MF **A01**

Superfund Record of Decision (EPA Region 5): Fultz Landfill, Byesville, OH. (First Remedial Action), September 1991.
PB92-964131/REB 92-04 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 5): Berlin and Farro Site, Swartz Creek, MI. (First Remedial Action), September 1991.
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Superfund Record of Decision (EPA Region 5): Lemberger Landfill Site, Manitowoc County, WI. (First Remedial Action), September 1991.
PB92-964133/REB 92-04 PC **A05**/MF **A01**

Superfund Record of Decision (EPA Region 5): Michigan Disposal Service (Cork Street) Landfill, Kalamazoo, MI. (First Remedial Action), September 1991.
PB92-964134/REB 92-04 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 5): Thermo Chem Site, (Operable Unit 1), Muskegon County, MI. (First Remedial Action), September 1991.
PB92-964135/REB 92-04 PC **A05**/MF **A01**

Superfund Record of Decision (EPA Region 7): Hastings Groundwater Contamination (Operable Unit 10), Hastings, NE. (Seventh Remedial Action), September 1991.
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Superfund Record of Decision (EPA Region 7): E.I. Dupont De Nemours (County Road X23), Lee County, West Point, IA. (First Remedial Action), May 1991.
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Superfund Record of Decision (EPA Region 7): Shaw Avenue Dump Site, Charles City, Floyd County, IA. (First Remedial Action), September 1991.
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Superfund Record of Decision (EPA Region 7): Mid-America Tanning Site, Sergeant Bluff, IA. (First Remedial Action), September 1991.
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Superfund Record of Decision (EPA Region 7): Lehigh Portland Cement Company, Mason City, IA. (First Remedial Action), June 1991.
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Superfund Record of Decision (EPA Region 8): Rocky Mountain Arsenal (Operable Unit 26), CO. (Tenth Remedial Action), September 1991.
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Superfund Record of Decision (EPA Region 8): Anaconda Smelter Site, (Operable Unit 11 - Flue Dust), Deer Lodge County, Anaconda, MT. (Second Remedial Action), September 1991.
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Superfund Record of Decision (EPA Region 8): Rocky Mountain Arsenal (Operable Unit 21), CO. (Ninth Remedial Action), June 1991.
PB92-964405/REB 92-04 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 8): Central City-Clear Creek Site, (Operable Unit 3), Clear Creek and Gilpin Counties, CO. (Third Remedial Action), September 1991.
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Superfund Record of Decision (EPA Region 9): National Semiconductor (Monolithic Memories), CA. (First Remedial Action), September 1991.
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Superfund Record of Decision (EPA Region 9): Monolithic Memories (Advanced Micro Devices - Arques) (National Semiconductor), CA. (First Remedial Action), September 1991.
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Superfund Record of Decision (EPA Region 9): Van Waters and Rogers, San Jose, CA. (First Remedial Action), September 1991.
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Superfund Record of Decision (EPA Region 9): Signetics (Advanced Micro Devices 901) (TRW Microwave), Sunnyvale, CA. (First Remedial Action), September 1991.
PB92-964507/REB 92-01 PC **A06**/MF **A02**

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Superfund Record of Decision (EPA Region 9): Indian Bend Wash Area (Operable Units 1, 4, 5, 6), AZ. (Second Remedial Action), September 1991.
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Superfund Record of Decision (EPA Region 9): Sola Optical USA, Inc., Petaluma, CA. (First Remedial Action), September 1991.
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Superfund Record of Decision (EPA Region 9): CTS Printex Corporation, Mountain View, CA. (First Remedial Action), June 1991.
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Superfund Record of Decision (EPA Region 9): Valley Wood Preserving Site, Turlock, CA. (First Remedial Action), September 1991.
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Superfund Record of Decision (EPA Region 9): TRW Microwave, (Advanced Micro Devices 901), (Signetics), Sunnyvale, CA. (First Remedial Action), September 1991.
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Superfund Record of Decision (EPA Region 9): Advanced Micro Devices 915, Sunnyvale, CA. (First Remedial Action), August 1991.
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Superfund Record of Decision (EPA Region 10): Bangor Naval Submarine Base, Site F (Operable Unit 2), Bangor, WA. (First Remedial Action), September 1991.
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Superfund Record of Decision (EPA Region 10): Commencement Bay-Nearshore/Tideflats (Operable Unit 7), Tacoma, WA. (Third Remedial Action), December 1990.
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Superfund Emergency Response Actions: A Summary of Federally-Funded Removals. Fifth Annual Report - Fiscal Year 1990.
PB92-963403/REB 92-01 PC **A08**/MF **A02**

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Risk Assessment Guidance for Superfund. Volume 1. Human Health Evaluation Manual (Part B).
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Watershed Characterization Using Landsat Thematic Mapper Imagery: Blackfoot River, Montana.
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PB92-129139/REB 92-01 PC **A04**/MF **A01**

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PB92-114453/REB 92-01 PC **A04**/MF **A01**

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PB92-126739/REB 92-01 PC **A04**/MF **A01**

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PB92-235621/REB 92-04 PC **A01**/MF **A01**

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PB92-235639/REB 92-04 PC **A02**/MF **A01**

Reregistration Eligibility Document (RED): Indole-3-Butyric Acid. (List B, Case 2330).
PB92-238526/REB 92-04 PC **A12**/MF **A03**

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Hazardous Substance Research Centers Program. Program Summary FY 1991. Office of Exploratory Research.
PB92-224419/REB 92-04 PC **A12**/MF **A03**

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Waste Minimization Assessment for a Manufacturer of Refurbished Railcar Bearing Assemblies.
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Waste Minimization Assessment for a Manufacturer of Prototype Printed Circuit Boards.
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PB92-104363/REB 92-01 PC **A01**/MF **A01**

Waste Minimization Assessment for a Manufacturer of Printed Labels.
PB92-104371/REB 92-01 PC **A02**/MF **A01**

Summary of the 1991 EPA/AWMA International Symposium: Measurement of Toxic and Related Air Pollutants. Held in Durham, North Carolina on May 6-10, 1991.
PB92-110386/REB 92-01 PC **A03**/MF **A01**

National Air Toxics Information Clearinghouse: Bibliography of Selected Reports and Federal Register Notices Related to Air Toxics. Volume 5. Citations, 1991.
PB92-111830/REB 92-01 PC **A10**/MF **A03**

National Air Toxics Information Clearinghouse: Ongoing Research and Regulatory Development Projects.
PB92-111905/REB 92-01 PC **A10**/MF **A03**

National Air Toxics Information Clearinghouse: Bibliography of Selected Reports and Federal Register Notices Related to Air Toxics. Index, 1991.
PB92-111913/REB 92-01 PC **A21**/MF **A04**

Environmental Monitoring and Assessment Program: 1991 Project Descriptors.
PB92-114479/REB 92-01 PC **A06**/MF **A02**

U.S. EPA Office of Research and Development Overview of Current Radon Research.
PB92-121250/REB 92-01 PC **A02**/MF **A01**

Quality Assurance Project Plan: Tampa, Florida Wetlands Study.
PB92-122761/REB 92-01 PC **A11**/MF **A03**

Global Ecosystems Database. Version 0.1 (Beta-test). EPA Global Climate Research Program. NOAA/NGDC Global Change Database Program. Prototype 1. Database Documentation. NGDC Key to Geophysical Records Documentation No. 25.
PB92-122803/REB 92-01 PC **A16**/MF **A03**

Research and Development Efforts to Develop Improved Inventory Methodologies for Area Source Solvent Emissions.
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Wetlands Research Plan FY92-96: An Integrated Risk-Based Approach.
PB92-178946/REB 92-01 PC **A07**/MF **A02**

National Toxicology Program: Review of Current DHHS, DOE, and EPA Research Related to Toxicology, Fiscal Year 1991.
PB92-189141/REB 92-01 PC **A14**/MF **A03**

National Toxicology Program: Annual Plan for Fiscal Year 1991.
PB92-189158/REB 92-01 PC **A11**/MF **A03**

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PB92-113000/REB 92-01 PC **A09**/MF **A03**

Air Pollution Engineering Research at the U.S. Environmental Protection Agency.
PB92-206457/REB 92-04 PC **A01**/MF **A01**

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PB92-129618/REB 92-01 PC **A02**/MF **A01**

Technical Guidance Manual for Performing Waste Load Allocations. Book 4. Lakes, Reservoirs and Impoundments. Chapter 3: Toxic Substances Impact.
PB92-231760/REB 92-04 PC **A14**/MF **A03**

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PB92-105626/REB 92-01 PC **A03**/MF **A01**

Development of Alternate Performance Standard for Radon Resistant Construction Based on Short-Term/Long-Term Indoor Radon Concentrations. Volume 1. Technical Report.
PB92-115211/REB 92-01 PC **A05**/MF **A01**

Development of Alternate Performance Standard for Radon Resistant Construction Based on Short-Term/Long-Term Indoor Radon Concentrations. Volume 2. Appendices.
PB92-115229/REB 92-01 PC **A04**/MF **A01**

Recommended HVAC Standard of the Florida Radon Research Program.
PB92-147909/REB 92-01 PC **A03**/MF **A01**

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PB92-148519/REB 92-01 PC **A04**/MF **A01**

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Polycyclic Aromatic Hydrocarbons and Their Derivatives in Indoor and Outdoor Air in an Eight-Home Study.
PB92-166701/REB 92-01 PC **A03**/MF **A01**

Natural Basement Ventilation as a Radon Mitigation Technique.
PB92-166958/REB 92-01 PC **A03**/MF **A01**

National Radon Measurement Proficiency Program: Individual Proficiency Report.
PB92-169473/REB 92-04 PC **A06**/MF **A02**

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PB92-192194/REB 92-01 PC **A04**/MF **A01**

Simplified Modeling of Air Flow Dynamics in SSD Radon *Mitigation Systems for Residences with Gravel Beds.*
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PB92-195981/REB 92-01 PC **A03**/MF **A01**

Technical Support Document for the 1992 Citizen's Guide to Radon.
PB92-218395/REB 92-04 PC **A08**/MF **A02**

Homeowners Exempted from Superfund Cleanup Costs: National Policy Overview.
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United States Environmental Protection Agency Municipal Waste Combustion Residue Solidification/Stabilization *Evaluation Program.*
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RCRA Permit Policy Compendium. Volume 1. User's Guide. Key Word Index.
PB92-111715/REB 92-01 PC **E10**

RCRA Permit Policy Compendium. Volume 2 (9420.1980-9434.1900). Hazardous Waste Management System (Part 260). General, Definitions, Petitions.
PB92-111723/REB 92-01 PC **A13**

RCRA Permit Policy Compendium. Volume 3 (9441.1980-9441.1986). Identification and Listing of Hazardous Waste (Part 261). General.
PB92-111731/REB 92-01 PC **A14**

RCRA Permit Policy Compendium. Volume 4 (9441.1987-9441.1990). Identification and Listing of Hazardous Waste (Part 261). General.
PB92-111749/REB 92-01 PC **A14**

RCRA Permit Policy Compendium. Volume 5 (9442.1980-9444.1986). Identification and Listing of Hazardous Waste (Part 261). Criteria for Identifying Hazardous Waste, Characteristics of Hazardous Waste, Lists of Hazardous Waste.
PB92-111756/REB 92-01 PC **A14**

RCRA Permit Policy Compendium. Volume 6 (9444.1987-9457.1990). Identification and Listing of Hazardous Waste (Part 261). Lists (Cont'd), Generator Standards (Part 262), General, Pretransportation, Recordkeeping, Special Conditions, Importing.
PB92-111764/REB 92-01 PC **A15**

RCRA Permit Policy Compendium. Volume 7 (9460.1980-9482.1990). Transporter Standards (Part 263). (TSDF's) (Parts 264 and 265), TSDF Technical Requirements (Parts 264 and 265).
PB92-111772/REB 92-01 PC **A11**

RCRA Permit Policy Compendium. Volume 8 (9483.1980-9489.1990). TSDF Technical Requirements (Parts 264 and 265). Tanks, Surface Impoundments, Waste Piles, Land Treatment, Landfills, Incinerators, Miscellaneous Units.
PB92-111780/REB 92-01 PC **A15**

RCRA Permit Policy Compendium. Volume 9 (9490.1980-9521.1990). Standards for Managing Specific Hazardous Wastes (Part 266). Permitting Policies, Permitting Procedures (Parts 124 and 270).
PB92-111798/REB 92-01 PC **A15**

RCRA Permit Policy Compendium. Volume 10 (9522.1980-9528.1990). Permitting Procedures (Parts 124 and 270). Applications, Conditions, Changes, Interim Status.
PB92-111806/REB 92-01 PC **A15**

RCRA Permit Policy Compendium. Volume 11 (9530.1980-9581.1990). Air Emissions Standards, State Authorization (Part 271), Land Disposal Restrictions (Part 268). Waste Minimization, Subtitle D, RCRA Grant Funds.
PB92-111814/REB 92-01 PC **A17**

Stabilization Technologies for RCRA Corrective Actions. Handbook.
PB92-114495/REB 92-01 PC **A04**/MF **A01**

Technical Support Services for Superfund Site Remediation and RCRA Corrective Action. Third Edition.
PB92-205657/REB 92-04 PC **A04**/MF **A01**

RCRA Corrective Actions. Speaker Slide Copies.
PB92-224815/REB 92-04 PC **A06**/MF **A02**

RESOURCE CONSERVATION AND RECOVERY ACT (RCRA)
Update Package for RCRA Permit Policy Compendium (Assorted Volumes).
PB92-182518/REB 92-04 PC **E99**

RESOURCE CONSERVATION AND RECOVERY INFORMATION SYSTEM
RCRIS Data Element Dictionary, Version 3.0.0. Data Tape Documentation.
PB92-145515/REB 92-01 PC **A25**/MF **A06**

Resource Conservation and Recovery Information System (RCRIS) Extract Tape.
PB92-592290/REB 92-01 CP **T01**

RESOURCE CONSERVATION RECOVERY ACT
RCRA Cover Systems for Waste Management Facilities.
PB92-120435/REB 92-01 PC **A03**/MF **A01**

RESOURCE RECOVERY FACILITIES
Material Recovery Facilities for Municipal Solid Waste.
PB92-137512/REB 92-01 PC **A08**/MF **A02**

RESPIRATORY DISEASES
Respiratory Health Effects of Passive Smoking: Lung Cancer and Other Disorders.
PB92-182344/REB 92-04 PC **A24**/MF **A04**

Rational Approaches to the Management of Bronchopulmonary Disease.
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Transactions: Tropospheric Ozone and the Environment. Papers from an International Conference.
PB92-217017/REB 92-04 PC **A03**/MF **A01**

RESPIRATORY FUNCTION TESTS
Relationships between Lung Function and Physical Characteristics in Young Adult Black and White Males and Females.
PB92-150846/REB 92-01 PC **A03**/MF **A01**

Effects of Heavy Industrial Pollution on Respiratory Function in the Children of Cubatao, Brazil: A Preliminary Report.
PB92-217207/REB 92-04 PC **A02**/MF **A01**

RESPIRATORY INFECTIONS
Respiratory Syncytial Virus Infection of Human Primary Nasal and Bronchial Epithelial Cell Cultures and Bronchoalveolar Macrophages.
PB92-209352/REB 92-04 PC **A02**/MF **A01**

RESPIRATORY SYNCYTIAL VIRUS
Respiratory Syncytial Virus Infection of Human Primary Nasal and Bronchial Epithelial Cell Cultures and Bronchoalveolar Macrophages.
PB92-209352/REB 92-04 PC **A02**/MF **A01**

RESPIRATORY SYSTEM
Regional Respiratory Tract Absorption of Inhaled Reactive Gases.
PB92-217140/REB 92-04 PC **A05**/MF **A01**

Deposition Patterns of Ragweed Pollen in the Human Respiratory Tract.
PB92-227537/REB 92-04 PC **A02**/MF **A01**

RESTORATION
Restoration of Aquatic Ecosystems: Science, Technology and Public Policy.
PB92-224161/REB 92-04 PC **A24**/MF **A04**

RETINOIDS
Antimutagenicity Profiles of Some Natural Substances.
PB92-206382/REB 92-04 PC **A03**/MF **A01**

REVERSAL LEARNING
Serial Spatial Reversal Learning in Rats: Comparison of Instrumental and Automaintenance Procedures.
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REVIEWS
Superfund Program: Ten Years of Progress.
PB91-921286/REB 92-01 PC **A04**/MF **A01**

Genotoxicity of Industrial Wastes and Effluents. A Review.
PB92-227594/REB 92-04 PC **A03**/MF **A01**

RHODE ISLAND
National Priorities List Sites: Rhode Island.
PB92-963230/REB 92-01 PC **A04**/MF **A01**

RHYTHMICAL SLOW WAVE ACTIVITY
Colchicine-Induced Deafferentation of the Hippocampus Selectively Disrupts Cholinergic Rhythmical Slow Wave Activity.
PB92-120476/REB 92-01 PC **A03**/MF **A01**

RICE
Impacts of Climate Change on Rice Yield: Evaluation of the Efficacity of Different Modeling Approaches.
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Climate Change in Thailand and Its Potential Impact on Rice Yield.
PB92-232883/REB 92-04 PC **A03**/MF **A01**

RICE PLANTS
Kinetic Properties of Malic Dehydrogenase from Three Cultivars of Rice.
PB92-178995/REB 92-01 PC **A03**/MF **A01**

RIPARIAN WATERS
Characteristics of Successful Riparian Restoration Projects in the Pacific Northwest.
PB92-196039/REB 92-04 PC **A04**/MF **A01**

RISK ASSESSMENT
Methods for Aquatic Toxicity Identification Evaluations. Phase 1 Toxicity Characterization Procedures. Second Edition.
PB92-100072/REB 92-01 PC **A05**/MF **A01**

Indoor Air Assessment: A Review of Indoor Air Quality Risk Characterization Studies.
PB92-109107/REB 92-01 PC **A06**/MF **A02**

Methodology for Assessing Environmental Releases of and Exposure to Municipal Solid Waste Combustor Residuals.
PB92-109149/REB 92-01 PC **A07**/MF **A02**

Health Effects of Arsenic in Drinking Water.
PB92-110360/REB 92-01 PC **A03**/MF **A01**

Risk Assessment, Management, Communication: A Guide to Selected Sources. Volume 4, Number 1.
PB92-114412/REB 92-01 PC **A07**/MF **A02**

Workshop Report on Toxicity Equivalency Factors for Polychlorinated Biphenyl Congeners. Risk Assessment Forum.
PB92-114529/REB 92-01 PC **A05**/MF **A02**

Natural Enemy Risk Assessment (NERISK) User's Manual.
PB92-114990/REB 92-01 PC **A03**/MF **A01**

Preliminary Risk Assessment for Bacteria in Municipal Sewage Sludge Applied to Land.
PB92-126820/REB 92-01 PC **A10**/MF **A03**

Risk Assessment Methodologies: Comparing EPA and State Approaches.
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Tiered Modeling Approach for Assessing the Risks Due to Sources of Hazardous Air Pollutants.
PB92-164748/REB 92-01 PC **A03**/MF **A01**

EPCRA Section 313 Roadmaps Database. User's Manual. (Version 2.2) (for Microcomputers).
PB92-169523/REB 92-01 PC **A05**/MF **A01**

Leaking Underground Storage Tanks and Health: Understanding Health Risks from Petroleum Contamination.
PB92-184969/REB 92-01 PC **A03**/MF **A01**

Developmental Toxicology: Risk Assessment and the Future.
PB92-184993/REB 92-01 PC **A13**/MF **A03**

Human Exposure Model-II: User's Guide.
PB92-186246/REB 92-01 PC **A08**/MF **A02**

Health Research to Support Risk Assessment.
PB92-188788/REB 92-01 PC **A03**/MF **A01**

Implementing 'In vitro' Models in the Hazard Identification and Risk Assessment Process.
PB92-188796/REB 92-01 PC **A03**/MF **A01**

Potential Uses of Phosphogypsum and Associated Risks. Background Information Document.
PB92-196054/REB 92-01 PC **A06**/MF **A02**

ASTER: An Integration of the ACQUIRE Data Base and the QSAR System for Use in Ecological Risk Assessments.
PB92-198217/REB 92-04 PC **A02**/MF **A01**

Peer Review Workshop Report on a Framework for Ecological Risk Assessment.
PB92-213198/REB 92-04 PC **A06**/MF **A02**

Risk Assessment, Management, Communication: A Guide to Selected Sources Volume 4, Number 2.
PB92-238518/REB 92-04 PC **A09**/MF **A02**

Reference Guide to Odor Thresholds for Hazardous Air Pollutants Listed in the Clean Air Act Amendments of 1990.
PB92-239516/REB 92-04 PC **A05**/MF **A01**

Natural Enemy Risk Assessment (NERISK) (for Microcomputers).
PB92-500446/REB 92-01 CP **D06**

Roadmaps to Sources of Information on Chemicals Listed in the Emergency Planning Community and Community Right-to-Know Act (Also Known as SARA Title 3), Section 313. Toxic Release Inventory (for Microcomputers).
PB92-501972/REB 92-01 CP **D04**

Risk Assessment Guidance for Superfund. Volume 1. Human Health Evaluation Manual (Part C).
PB92-963340/REB 92-01 PC **A02**/MF **A01**

Guidance for Data Useability in Risk Assessment (Part A).
PB92-963356/REB 92-04 PC **A13**/MF **A03**

Guidance for Data Useability in Risk Assessment (Part B).
PB92-963362/REB 92-04 PC **A05**/MF **A01**

RISK ASSESSMENT GUIDANCE FOR SUPERFUND
Supplemental Guidance to RAGS: Calculating the Concentration Term. Volume 1, Number 1, May 1992.
PB92-963373/REB 92-04 PC **A02**/MF **A01**

RIVERS
System for Control of River Water Quality for the Community of Madrid Using QUAL2E.
PB92-206218/REB 92-04 PC **A02**/MF **A01**

Analysis of Long-Term and Seasonal River Water Quality Changes in Latvia.
PB92-232933/REB 92-04 PC **A03**/MF **A01**

RIVULUS MARMORATUS
Abundant Males in Populations of a Selfing Hermaphrodite Fish, 'Rivulus marmoratus', from Some Belize Cays.
PB92-195783/REB 92-01 PC **A02**/MF **A01**

ROADMAPS SYSTEM
EPCRA Section 313 Roadmaps Database. User's Manual. (Version 2.2) (for Microcomputers).
PB92-169523/REB 92-01 PC **A05**/MF **A01**

Roadmaps to Sources of Information on Chemicals Listed in the Emergency Planning Community and Community Right-to-Know Act (Also Known as SARA Title 3), Section 313. Toxic Release Inventory (for Microcomputers).
PB92-501972/REB 92-01 CP **D04**

ROANE COUNTY (TENNESSEE)
Superfund Record of Decision (EPA Region 4): Oak Ridge Reservation (USDOE), (Operable Unit 4), Roane County, Oak Ridge, TN. (Third Remedial Action), September 1991.
PB92-964012/REB 92-01 PC **A03**/MF **A01**

ROBOTICS
Personnel Protection through Reconnaissance Robotics at Superfund Remedial Sites.
PB92-166743/REB 92-01 PC **A02**/MF **A01**

ROCKFISH
Chesapeake Bay Striped Bass Fishery Management Plan: Chesapeake Bay Program. Annual Progress Report from the Chesapeake Executive Council.
PB92-186428/REB 92-01 PC **A03**/MF **A01**

ROCKFORD (ILLINOIS)
Superfund Record of Decision (EPA Region 5): Southeast Rockford Groundwater Contamination, Rockford, IL. (First Remedial Action), June 1991.
PB92-964141/REB 92-04 PC **A03**/MF **A01**

RODENTS
Assessment of Host Resistance to Infection with Rodent Malaria.
PB92-232784/REB 92-04 PC **A03**/MF **A01**

ROOFING
Evaluation of VOC Emissions from Heated Roofing Asphalt.
PB92-115286/REB 92-01 PC **A04**/MF **A01**

ROOT DEVELOPMENT
Ozone Decreases Spring Root Growth and Root Carbohydrate Content in Ponderosa Pine the Year Following Exposure.
PB92-144039/REB 92-01 PC **A02**/MF **A01**

ROTARY WASHERS
Automated Aqueous Rotary Washer for the Metal Finishing Industry. Technology Evaluation Report.
PB92-232214/REB 92-04 PC **A04**/MF **A01**

ROTATED PRINCIPAL COMPONENT ANALYSIS
Spatial and Temporal Analysis of Non-Urban Ozone Concentrations over the Eastern United States Using Rotated Principal Component Analysis.
PB92-192152/REB 92-01 PC **A02**/MF **A01**

ROTATING BIOLOGICAL CONTACTORS
Rotating Biological Contactors. Engineering Bulletin.
PB92-235936/REB 92-04 PC **A02**/MF **A01**

RUBBER
Permeation of Multifunctional Acrylates through Selected Protective Glove Materials.
PB92-153915/REB 92-01 PC **A02**/MF **A01**

RUNOFF
Non-Stormwater Discharges into Storm Drainage Systems.
PB92-158559/REB 92-01 PC **A03**/MF **A01**

Combined Sewer Overflow: Balancing Flow for CSO Abatement.
PB92-179761/REB 92-01 PC **A02**/MF **A01**

RURAL AREAS
Regional Fine Particle Field Study: Data Base and Initial Results.
PB92-106939/REB 92-01 PC **A05**/MF **A01**

Adjusting Ambient Ozone Air Quality Indicators for Missing Values.
PB92-124155/REB 92-01 PC **A02**/MF **A01**

SAFE DRINKING WATER ACT
Drinking Water Research Division's Research Activities in Support of EPA's Regulatory Agenda.
PB92-124197/REB 92-01 PC **A03**/MF **A01**

SAFE DRINKING WATER ACT OF 1986
Safe Drinking Water Act: 1986 Amendments.
PB92-140607/REB 92-01 PC **A02**/MF **A01**

SAFETY
Is Your Drinking Water Safe.
PB92-232198/REB 92-04 PC **A03**/MF **A01**

Standard Operating Safety Guides.
PB92-963414/REB 92-04 PC **A09**/MF **A03**

SAINT LOUIS COUNTY (MISSOURI)
Superfund Record of Decision (EPA Region 7): Ellisville Area Site, St. Louis County, Ellisville, MO. (First Remedial Action), (Amendment), September 1991.
PB92-964302/REB 92-01 PC **A03**/MF **A01**

SALINITY
Influence of Constant and Fluctuating Salinity on Responses of 'Mysidopsis bahia' Exposed to Cadmium in a Life-Cycle Test.
PB92-108042/REB 92-01 PC **A03**/MF **A01**

Identification of Sources of Ground-Water Salinization Using Geochemical Techniques.
PB92-119650/REB 92-01 PC **A12**/MF **A03**

SALMONELLA
Evaluating the Relationship of Metabolic Activation System Concentrations and Chemical Dose Concentrations for the Salmonella Spiral and Plate Assays.
PB92-113331/REB 92-01 PC **A03**/MF **A01**

SALMONELLA TYPHIMURIUM
Assessing the Use of Known Mutagens to Calibrate the 'Salmonella typhimurium' Mutagenicity Assay. 1. Without Exogenous Activation.
PB92-113257/REB 92-01 PC **A03**/MF **A01**

Assessing the Use of Known Mutagens to Calibrate the 'Salmonella typhimurium' Mutagenicity Assay. 2. With Exogenous Activation.
PB92-113273/REB 92-01 PC **A03**/MF **A01**

Design and Implementation of a Collaborative Study of the Mutagenicity of Complex Mixtures in 'Salmonella typhimurium'.
PB92-150697/REB 92-01 PC **A02**/MF **A01**

Sources of Variation in the Mutagenic Potency of Complex Chemical Mixtures Based on the Salmonella/Microsome Assay.
PB92-150713/REB 92-01 PC **A03**/MF **A01**

SALT MARSHES
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PB92-136811/REB 92-01 PC **A04**/MF **A01**

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PB92-108182/REB 92-01 PC **A03**/MF **A01**

SAMISH BAY
Reference Area Performance Standards for Puget Sound.
PB92-166917/REB 92-01 PC **A08**/MF **A02**

SAMPLERS
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PB92-166719/REB 92-01 PC **A01**/MF **A01**

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PB92-132901/REB 92-01 PC **A06**/MF **A02**

Improvement of Performance of Variable Probability Sampling Strategies.
PB92-180264/REB 92-01 PC **A02**/MF **A01**

Probability Sampling and Population Inference in Monitoring Programs.
PB92-180272/REB 92-01 PC **A03**/MF **A01**

Effects of Sampling Design Parameters on Block Selection.
PB92-180314/REB 92-01 PC **A02**/MF **A01**

SAND AQUIFERS
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PB92-110410/REB 92-01 PC **A02**/MF **A01**

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PB92-110428/REB 92-01 PC **A02**/MF **A01**

SANDS
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PB92-109123/REB 92-01 PC **A03**/MF **A01**

SANITARY LANDFILLS
Regulatory Impact Analysis for the Final Criteria for Municipal Solid Waste Landfills.
PB92-100841/REB 92-01 PC **A13**/MF **A03**

Addendum to the Regulatory Impact Analysis for the Final Criteria for Municipal Solid Waste Landfills.
PB92-100858/REB 92-01 PC **A03**/MF **A01**

Landfill Gas Energy Utilization: Technology Options and Case Studies.
PB92-203116/REB 92-04 PC **A09**/MF **A02**

Superfund Record of Decision (EPA Region 5): Dakhue Sanitary Landfill, Hampton Township, Dakota County, MN. (First Remedial Action), June 1991.
PB92-964137/REB 92-04 PC **A03**/MF **A01**

SANTA CLARA COUNTY (CALIFORNIA)
Superfund Record of Decision (EPA Region 9): Advanced Micro Devices 901, (Signetics), (TRW Microwave), Sunnyvale, CA. (First Remedial Action), September 1991.
PB92-964504/REB 92-04 PC **A06**/MF **A02**

SCHATZ HEAT BATTERIES
Evaluation of a Schatz Heat Battery on a Flexible-Fueled Vehicle. Phase 2.
PB92-204585/REB 92-04 PC **A03**/MF **A01**

SCHOOL BUILDINGS
Asbestos Concentrations Two Years After Abatement in Seventeen Schools.
PB92-158476/REB 92-01 PC **A03**/MF **A01**

Radon Prevention in the Design and Construction of Schools and other Large Buildings.
PB92-180298/REB 92-01 PC **A01**/MF **A01**

Costs of Radon Diagnostics and Mitigation in School Buildings.
PB92-198282/REB 92-04 PC **A03**/MF **A01**

Case Study of Radon Diagnostics and Mitigation in a New York State School.
PB92-198571/REB 92-04 PC **A02**/MF **A01**

SCHOOLS
Sub-Slab Pressure Field Extension in Schools and Other Large Buildings.
PB92-121268/REB 92-01 PC **A03**/MF **A01**

Neurobehavioral Evaluation System (NES) and School Performance.
PB92-124585/REB 92-01 PC **A03**/MF **A01**

Lead in School Drinking Water.
PB92-137439/REB 92-01 PC **A04**/MF **A01**

HVAC Systems in the Current Stock of U.S. K-12 Schools.
PB92-218338/REB 92-04 PC **A04**/MF **A01**

SCIENTISTS
Science Policy Interface (Chapter 12).
PB92-143841/REB 92-01 PC **A03**/MF **A01**

SCOTT AIR FORCE BASE
Waste Minimization Opportunity Assessment: Scott Air Force Base.
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SCRAP TIRES
Mutagenicity of Emissions from the Simulated Open Burning of Scrap Rubber Tires.
PB92-217009/REB 92-04 PC **A04**/MF **A01**

SCREENING
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PB92-124700/REB 92-01 PC **A02**/MF **A01**

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PB92-179902/REB 92-01 PC **A03**/MF **A01**

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Identification of Sources of Ground-Water Salinization Using Geochemical Techniques.
PB92-119650/REB 92-01 PC **A12**/MF **A03**

Genotoxic Effects of Complex Marine Sediment Extracts on V79 Chinese Hamster Lung Fibroblasts.
PB92-121318/REB 92-01 PC **A02**/MF **A01**

SEALS (MAMMALS)
Chemical Contamination of Harbor Seal Pups in Puget Sound. Puget Sound Estuary Program.
PB92-132778/REB 92-01 PC **A06**/MF **A02**

SEAMING
Technical Guidance Document: Inspection Techniques for the Fabrication of Geomembrane Field Seams.
PB92-109057/REB 92-01 PC **A08**/MF **A02**

Inspection Techniques for the Fabrication of Geomembrane Field Seams.
PB92-188770/REB 92-01 PC **A02**/MF **A01**

SEAWATER
Determination of alpha-emitting nuclides of plutonium, *americium and curium in environmental materials*: Pt. 1. Sea water.
DE92614732/REB 92-01 PC **A03**/MF **A01**

SECOND REMEDIAL ACTION
Superfund Record of Decision (EPA Region 2): Naval Air Engineering Center, (Operable Unit 2), Lakehurst, NJ. (Second Remedial Action), February 1991.
PB92-963810/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 3): Whitmoyer Laboratories (Operable Unit 2), Lebanon County, PA. (Second Remedial Action), December 1990.
PB92-963912/REB 92-01 PC **A05**/MF **A01**

Superfund Record of Decision (EPA Region 3): Strasburg Landfill, Newlin Township, Chester County, PA. (Second Remedial Action), June 1991.
PB92-963913/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 5): Acme Solvent Reclaiming, Winnebago County, IL. (Second Remedial Action), December 1990.
PB92-964101/REB 92-01 PC **A05**/MF **A02**

Superfund Record of Decision (EPA Region 5): Main Street Well Field, Elkhart, IN. (Second Remedial Action), March 1991.
PB92-964107/REB 92-01 PC **A05**/MF **A01**

Superfund Record of Decision (EPA Region 5): Verona Well Field Site, Battle Creek, MI. (Second Remedial Action), June 1991.
PB92-964110/REB 92-01 PC **A08**/MF **A02**

Superfund Record of Decision (EPA Region 5): Washington County Landfill, Lake Elmo, MN. (Second Remedial Action), November 1990.
PB92-964113/REB 92-01 PC **A05**/MF **A01**

Superfund Record of Decision (EPA Region 8): Chemical Sales Site, (New Location), (Operable Unit 2), Adams County, CO. (Second Remedial Action), June 1991.
PB92-964408/REB 92-04 PC **A09**/MF **A03**

Superfund Record of Decision (EPA Region 9): Atlas Asbestos Mine, Fresno County, CA. (Second Remedial Action), February 1991.
PB92-964510/REB 92-01 PC **A07**/MF **A02**

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PB92-963918/REB 92-01 PC **A05**/MF **A01**

Superfund Record of Decision (EPA Region 5): Allied Chemical and Ironton Coke, Ironton, OH. (Second Remedial Action), December 1990.
PB92-964115/REB 92-01 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 6): Cimarron Mining Site, Operable Unit 2, Carrizozo, NM. (Second Remedial Action), September 1991.
PB92-964201/REB 92-01 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 6): Petro-Chemical (Turtle Bayou), Liberty County, TX. (Second Remedial Action), September 1991.
PB92-964202/REB 92-01 PC **A07**/MF **A02**

Superfund Record of Decision (EPA Region 7): Ellisville Area Site, St. Louis County, Ellisville, MO. (Second Remedial Action), September 1991.
PB92-964312/REB 92-04 PC **A03**/MF **A01**

SEDIMENT QUALITY CRITERIA
Technical Basis for Establishing Sediment Quality Criteria for Nonionic Organic Chemicals Using Equilibrium Partitioning. Annual Review.
PB92-129642/REB 92-01 PC **A03**/MF **A01**

SEDIMENT TRANSPORT
Reactive Transport of Suspended Particles: Mechanisms and Modeling.
PB92-174317/REB 92-01 PC **A13**/MF **A03**

SEDIMENT WATER INTERFACES
Technical Basis for Establishing Sediment Quality Criteria for Nonionic Organic Chemicals Using Equilibrium Partitioning. Annual Review.
PB92-129642/REB 92-01 PC **A03**/MF **A01**

SEDIMENTS
Developing Sediments Quality Standards: Comprehensive Sediment Management in Puget Sound.
AD-P006 465/9/REB 92-01 PC **A03**/MF **A01**

Dealing with Toxic Polluted Sediments in the Great Lakes Basin.
AD-P006 908/8/REB 92-04 PC **A03**/MF **A01**

Fate of Commercial Disperse Dyes in Sediments.
PB92-101401/REB 92-01 PC **A03**/MF **A01**

Regiospecific Dechlorination of Pentachlorophenol by Dichlorophenol-Adapted Microorganisms in Freshwater, Anaerobic Sediment Slurries.
PB92-101674/REB 92-01 PC **A03**/MF **A01**

Reductive Dechlorination of Dichlorophenols in Anaerobic Pond Sediments (Chapter 13).
PB92-101708/REB 92-01 PC **A03**/MF **A01**

Chetco Ocean Dredged Material Disposal Site (ODMDS) Designation: Final Environmental Impact Statement.
PB92-104470/REB 92-01 PC **A08**/MF **A02**

Effects of a Contaminated Sediment on Life History Traits and Population Growth Rate of 'Neanthes Arenaceodentata' (Polychaeta: Nereidae) in the Laboratory.
PB92-108059/REB 92-01 PC **A03**/MF **A01**

Determination and Occurrence of AHH-Active Polychlorinated Biphenyls, 2,3,7,8-Tetrachloro-p-Dioxin and 2,3,7,8-Tetrachlorodibenzofuran in Lake Michigan Sediment and Biota. The Question of Their Relative Toxicological Significance.
PB92-108125/REB 92-01 PC **A03**/MF **A01**

Reduction of Hexachloroethane and Carbon Tetrachloride at Surfaces of Biotite, Vermiculite, Pyrite, and Marcasite.
PB92-113141/REB 92-01 PC **A03**/MF **A01**

Acid-Volatile Sulfide as a Factor Mediating Cadmium and Nickel Bioavailability in Contaminated Sediments.
PB92-124296/REB 92-01 PC **A03**/MF **A01**

Environmental Factors Correlated to Dichlorophenol Dechlorination in Anoxic Freshwater Sediments.
PB92-124346/REB 92-01 PC **A03**/MF **A01**

Responses of Wetland Plants to Effluents in Water and Sediment.
PB92-129758/REB 92-01 PC **A02**/MF **A01**

Induction of Cytochrome P-450-IA1 in Juvenile Fish by Creosote-Contaminated Sediment.
PB92-129790/REB 92-01 PC **A02**/MF **A01**

Abiotic Transformations of Pesticides in Natural Waters and Sediments.
PB92-150481/REB 92-01 PC **A03**/MF **A01**

Predicting the Toxicity of Bulk Sediments to Aquatic Organisms with Aqueous Test Fractions: Pore Water versus Elutriate.
PB92-150606/REB 92-01 PC **A02**/MF **A01**

Contribution of Ammonia, Metals and Nonpolar Organic Compounds to the Toxicity of Sediment Interstitial Water from an Illinois River Tributary.
PB92-150648/REB 92-01 PC **A03**/MF **A01**

Neanthes Long-Term Exposure Experiment: Further Evaluation of the Relationship between Juvenile Growth and Reproductive Success.
PB92-166891/REB 92-01 PC **A03**/MF **A01**

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Pilot-Scale Incineration of PCB-Contaminated Sediments from the Hot Spot of the New Bedford Harbor Superfund Site.
PB92-227321/REB 92-04 PC **A02**/MF **A01**

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PB92-231521/REB 92-04 PC **A08**/MF **A02**

Contaminated Sediments: Relevant Statutes and EPA Program Activities.
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Toxicity, Selectivity and Sublethal Effects of Pesticides on Arthropod Natural Enemies: A Data-Base Summary.
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Toxicity Reduction Evaluation: Case Histories at High Point and Fayetteville, North Carolina.
PB92-222231/REB 92-04 PC **A08**/MF **A02**

Technical Guidance Manual for Performing Waste Load Allocations: Simplified Analytical Method for Determining NPDES Effluent Limitations for POTWs Discharging into Low-Flow Streams.
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Environmental Profiles and Hazard Indices for Constituents of Municipal Sludge: Nickel.
PB92-123009/REB 92-01 PC **A05**/MF **A01**

Preliminary Risk Assessment for Bacteria in Municipal Sewage Sludge Applied to Land.
PB92-126820/REB 92-01 PC **A10**/MF **A03**

Comparison of Organic Emissions from Laboratory and Full-Scale Thermal Degradation of Sewage Sludge.
PB92-136852/REB 92-01 PC **A03**/MF **A01**

Emissions of Metals, Chromium and Nickel Species, and Organics from Municipal Wastewater Sludge Incinerators. Volume 1. Summary Report.
PB92-151554/REB 92-01 PC **A04**/MF **A01**

Emissions of Metals, Chromium and Nickel Species, and Organics from Municipal Wastewater Sludge Incinerators. Volume 2. Site 5 Emission Test Report Hexavalent Chromium Method Evaluation.
PB92-151562/REB 92-01 PC **A05**/MF **A01**

Emissions of Metals, Chromium and Nickel Species, and Organics from Municipal Wastewater Sludge Incinerators. Volume 3. Site 6 Emissions Test Report.
PB92-151570/REB 92-01 PC **A07**/MF **A02**

Emissions of Metals, Chromium and Nickel Species, and Organics from Municipal Wastewater Sludge Incinerators. Volume 4. Site 6 Emission Test Report - Appendices.
PB92-151588/REB 92-01 PC **A13**/MF **A03**

Emissions of Metals, Chromium and Nickel Species, and Organics from Municipal Wastewater Sludge Incinerators. Volume 5. Site 7 Test Report CEMS Evaluation.
PB92-151596/REB 92-01 PC **A03**/MF **A01**

Emissions of Metals, Chromium and Nickel Species, and Organics from Municipal Wastewater Sludge Incinerators. Volume 6. Site 8 Emission Test Report.
PB92-151604/REB 92-01 PC **A07**/MF **A02**

Emissions of Metals, Chromium and Nickel Species, and Organics from Municipal Wastewater Sludge Incinerators. Volume 7. Site 8 Emission Test Report - Appendices.
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Emissions of Metals, Chromium and Nickel Species, and Organics from Municipal Wastewater Sludge Incinerators. Volume 8. Site 9 Emission Test Report.
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Emissions of Metals, Chromium and Nickel Species, and Organics from Municipal Wastewater Sludge Incinerators. Volume 9. Site 9 Emission Test Report - Appendices.
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Emission Factor Documentation for AP-42 Section 2.5, Sewage Sludge Incineration.
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Bioavailability to Plants of Sludge-Borne Toxic Organics.
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Total Hydrocarbon Emission Testing of Wastewater Sludge Incinerators. Volume 1.
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Sequencing Batch Reactors: Summary Report.
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Respirometric Methods for Determination of Biodegradability and Biodegradation Kinetics for Hazardous Organic Pollutant Compounds.
PB92-217108/REB 92-04 PC **A03**/MF **A01**

Andrew W. Breidenbach Environmental Research Center Small Systems Resource Directory.
PB92-239565/REB 92-04 PC **A04**/MF **A01**

SEWAGE TREATMENT EFFLUENTS

Cape Cod Waste Water Renovation and Retrieval System, a Study of Water Treatment and Conservation First Year of Operation.
PB92-174408/REB 92-01 PC **A10**/MF **A03**

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Compound-Induced Alterations of Sexual Differentiation: A Review of Effects in Humans and Rodents.
PB92-158583/REB 92-01 PC **A03**/MF **A01**

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Capsule Report: Disposal of Flue Gas Desulfurization Wastes. Shawnee Field Evaluation.
PB92-179936/REB 92-01 PC **A03**/MF **A01**

SHELLFISH

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PB92-114164/REB 92-01 PC **A03**/MF **A01**

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Development Document for Proposed Effluent Limitations Guidelines and Standards for the Shipbuilding and Repair. Point Source Category.
PB92-232032/REB 92-04 PC **A07**/MF **A02**

SHOSHONE COUNTY (IDAHO)

Superfund Record of Decision (EPA Region 10): Bunker Hill Mining and Metallurgical Complex, Shoshone County, ID. (First Remedial Action), August 1991.
PB92-964601/REB 92-01 PC **A07**/MF **A02**

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PB92-145432/REB 92-01 PC **A02**/MF **A01**

Reregistration Eligibility Document (RED): Silicon Dioxide and Silica Gel.
PB92-161900/REB 92-01 PC **A04**/MF **A01**

SILICON DIOXIDE

RED Facts: Silicon Dioxide and Silica Gel.
PB92-145432/REB 92-01 PC **A02**/MF **A01**

Reregistration Eligibility Document (RED): Silicon Dioxide and Silica Gel.
PB92-161900/REB 92-01 PC **A04**/MF **A01**

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SINGLE PARTICLE COAL COMBUSTION

Characteristics of Single Particle Coal Combustion.
PB92-121409/REB 92-01 PC **A02**/MF **A01**

SINKS

Slowing the Increase of Atmospheric Carbon Dioxide: A Biological Approach.
PB92-144070/REB 92-01 PC **A02**/MF **A01**

NATO Workshop on the Atmospheric Methane Cycle. Held in Mt. Hood, Oregon on October 6-11, 1991. Working Group Report on Methane Sources and Sinks.
PB92-180256/REB 92-01 PC **A03**/MF **A01**

Tests of Indoor Air Quality Sinks.
PB92-218346/REB 92-04 PC **A15**/MF **A03**

SISTER CHROMATID EXCHANGE

Genotoxic Effects of Complex Marine Sediment Extracts on V79 Chinese Hamster Lung Fibroblasts.
PB92-121318/REB 92-01 PC **A02**/MF **A01**

SITE CHARACTERISTICS

Guide to Site and Soil Description for Hazardous Waste Site Characterization. Volume 1. Metals.
PB92-146158/REB 92-01 PC **A13**/MF **A03**

SITE CHARACTERIZATION

International Symposium on Field Screening Methods for Hazardous Wastes and Toxic Chemicals (2nd), Proceedings. Held in Las Vegas, Nevada on February 12-14, 1991.
PB92-125764/REB 92-01 PC **A99**/MF **E08**

SITE PROGRAM

Technology Evaluation Report: SITE Program Demonstration Test Horsehead Resource Development Company, Inc., Flame Reactor Technology, Monaca, Pennsylvania.
PB92-205855/REB 92-04 PC **A07**/MF **A02**

SITE SURVEYS

Summary Report for the National Atmospheric Deposition Program/National Trends Network (NADP/NTN) Site Visitation Program for the Period October 1989 through September 1990.
PB92-217298/REB 92-04 PC **A05**/MF **A01**

Development of Emerging Technologies within the SITE Program.
PB92-217322/REB 92-04 PC **A03**/MF **A01**

Summary Report for the National Atmospheric Deposition Program National Trends Network (NADP/NTN) Site Visitation Program.
PB92-219823/REB 92-04 PC **A06**/MF **A02**

Guidance on Site Assessment Cooperative Agreements.
PB92-224385/REB 92-04 PC **A03**/MF **A01**

PREscore Software. Users Manual and Tutorial. Version 1.0.
PB92-963349/REB 92-01 PC **A05**/MF **A01**

SITES

Sampling of Contaminated Sites.
PB92-110436/REB 92-01 PC **A02**/MF **A01**

Superfund: Reporting on Cleanup Activities through Environmental Indicators. FY 1991 Update.
PB92-963255/REB 92-01 PC **A03**/MF **A01**

Superfund Accelerated Cleanup Model (SACM).
PB92-963263/REB 92-01 PC **A03**/MF **A01**

Guidance for Performing Preliminary Assessments under CERCLA.
PB92-963303/REB 92-01 PC **A13**/MF **A03**

CERCLIS Characterization Project: National Results.
PB92-963315/REB 92-01 PC **A06**/MF **A02**

CERCLIS Characterization Project: Region 1 Results.
PB92-963316/REB 92-01 PC **A05**/MF **A01**

CERCLIS Characterization Project: Region 2 Results.
PB92-963317/REB 92-01 PC **A05**/MF **A01**

CERCLIS Characterization Project: Region 3 Results.
PB92-963318/REB 92-01 PC **A05**/MF **A01**

CERCLIS Characterization Project: Region 4 Results.
PB92-963319/REB 92-01 PC **A05**/MF **A01**

CERCLIS Characterization Project: Region 5 Results.
PB92-963320/REB 92-01 PC **A05**/MF **A01**

CERCLIS Characterization Project: Region 6 Results.
PB92-963321/REB 92-01 PC **A05**/MF **A01**

CERCLIS Characterization Project: Region 7 Results.
PB92-963322/REB 92-01 PC **A05**/MF **A01**

CERCLIS Characterization Project: Region 8 Results.
PB92-963323/REB 92-01 PC **A05**/MF **A01**

CERCLIS Characterization Project: Region 9 Results.
PB92-963324/REB 92-01 PC **A05**/MF **A01**

CERCLIS Characterization Project: Region 10 Results.
PB92-963325/REB 92-01 PC **A05**/MF **A01**

ECO Update: Ecological Assessment of Superfund Sites. An Overview. Volume 1, Number 2, December 1991.
PB92-963335/REB 92-01 PC **A02**/MF **A01**

ECO Update: The Role of BTAGs in Ecological Assessment. Volume 1, Number 1, September 1991.
PB92-963337/REB 92-01 PC **A02**/MF **A01**

SKIN ABSORPTION

Age-Related Percutaneous Penetration of 2-sec-Butyl-4-6-Dinitrophenol (Dinoseb) in Rats.
PB92-227495/REB 92-04 PC **A03**/MF **A01**

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Dermal Exposure Assessment: Principles and Applications.
PB92-205665/REB 92-04 PC **A17**/MF **A04**

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Interspecies Sensitivity to Chemical Carcinogens: Relationships between Mouse Skin Tumors and Human Lung Cancer.
PB92-158674/REB 92-01 PC **A03**/MF **A01**

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Sub-Slab Pressure Field Extension in Schools and Other Large Buildings.
PB92-121268/REB 92-01 PC **A03**/MF **A01**

SLAGS

EPA SITE Demonstration of the Horsehead Resource Development Company Flame Reactor Technology.
PB92-139401/REB 92-01 PC **A02**/MF **A01**

Superfund Innovative Technology Evaluation (SITE): Demonstration Bulletin. Flame Reactor, Horsehead Resource Development Company, Inc.
PB92-235613/REB 92-04 PC **A01**/MF **A01**

SLOW RELEASING CHEMICALS

Hydraulic Fracturing to Improve Nutrient and Oxygen Delivery for In situ Bioreclamation.
PB92-121334/REB 92-01 PC **A03**/MF **A01**

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Environmental Profiles and Hazard Indices for Constituents of Municipal Sludge: DDT/DDE/DDD.
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Emissions of Metals, Chromium and Nickel Species, and Organics from Municipal Wastewater Sludge Incinerators. Volume 1. Summary Report.
PB92-151554/REB 92-01 PC **A04**/MF **A01**

Emissions of Metals, Chromium and Nickel Species, and Organics from Municipal Wastewater Sludge Incinerators. Volume 2. Site 5 Emission Test Report Hexavalent Chromium Method Evaluation.
PB92-151562/REB 92-01 PC **A05**/MF **A01**

Emissions of Metals, Chromium and Nickel Species, and Organics from Municipal Wastewater Sludge Incinerators. Volume 3. Site 6 Emissions Test Report.
PB92-151570/REB 92-01 PC **A07**/MF **A02**

Emissions of Metals, Chromium and Nickel Species, and Organics from Municipal Wastewater Sludge Incinerators. Volume 4. Site 6 Emission Test Report - Appendices.
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Emissions of Metals, Chromium and Nickel Species, and Organics from Municipal Wastewater Sludge Incinerators. Volume 5. Site 7 Test Report CEMS Evaluation.
PB92-151596/REB 92-01 PC **A03**/MF **A01**

Emissions of Metals, Chromium and Nickel Species, and Organics from Municipal Wastewater Sludge Incinerators. Volume 6. Site 8 Emission Test Report.
PB92-151604/REB 92-01 PC **A07**/MF **A02**

Emissions of Metals, Chromium and Nickel Species, and Organics from Municipal Wastewater Sludge Incinerators. Volume 7. Site 8 Emission Test Report - Appendices.
PB92-151612/REB 92-01 PC **A16**/MF **A03**

Emissions of Metals, Chromium and Nickel Species, and Organics from Municipal Wastewater Sludge Incinerators. Volume 8. Site 9 Emission Test Report.
PB92-151620/REB 92-01 PC **A08**/MF **A02**

Emissions of Metals, Chromium and Nickel Species, and Organics from Municipal Wastewater Sludge Incinerators. Volume 9. Site 9 Emission Test Report - Appendices.
PB92-151638/REB 92-01 PC **A99**/MF **A06**

Emission Factor Documentation for AP-42 Section 2.5, Sewage Sludge Incineration.
PB92-152834/REB 92-01 PC **A05**/MF **A01**

Handling and Disposal of Sludges and Residuals from Combined Sewer Overflow Treatment.
PB92-158567/REB 92-01 PC **A02**/MF **A01**

Total Hydrocarbon Emission Testing of Wastewater Sludge Incinerators. Volume 1.
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Total Hydrocarbon Emission Testing of Wastewater Sludge Incinerators. Volume 2. Appendices.
PB92-197094/REB 92-04 PC **A16**/MF **A03**

Preliminary Risk Assessment for Viruses in Municipal Sewage Sludge Applied to Land.
PB92-198548/REB 92-01 PC **A09**/MF **A03**

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PB92-227453/REB 92-04 PC **A03**/MF **A01**

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Technology Evaluation Report: The Carver-Greenfield Process, Dehydro-Tech Corporation.
PB92-217462/REB 92-04 PC **A11**/MF **A03**

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PB92-216977/REB 92-04 PC **A05**

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EPA SITE Demonstration of the BioTrol Soil Washing Process.
PB92-150655/REB 92-01 PC **A03**/MF **A01**

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Manual of Small Public Water Supply Systems.
PB92-117936/REB 92-01 PC **A10**/MF **A03**

Manual of Individual and Non-Public Water Supply Systems.
PB92-117944/REB 92-01 PC **A09**/MF **A02**

Drinking Water Systems: Three Approaches to Improve Mobile Home Park Compliance.
PB92-164714/REB 92-01 PC **A05**/MF **A02**

SMALL WATER SYSTEMS

Handbook of State Management Practices, July 1984.
PB92-164755/REB 92-01 PC **A08**/MF **A02**

Safe Drinking Water from Small Systems: Treatment Options.
PB92-198605/REB 92-04 PC **A02**/MF **A01**

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Neonatal Exposure to Triethyltin Disrupts Olfactory Discrimination Learning in Preweanling Rats.
PB92-124726/REB 92-01 PC **A03**/MF **A01**

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Regional Ozone Modeling for Northeast Transport (ROMNET).
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Regional Ozone Modeling for Northeast Transport (ROMNET). Appendices.
PB92-108794/REB 92-01 PC **A15**/MF **A03**

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Cigarette Smoke-Induced DNA Adducts in the Respiratory and Nonrespiratory Tissues of Rats.
PB92-189083/REB 92-01 PC **A02**/MF **A01**

Chemical and Physical Properties of Emissions from Kuwait Oil Fires.
PB92-206481/REB 92-04 PC **A03**/MF **A01**

SMOKELESS COAL

Full-Scale Laboratory Simulation Facility to Test Particulate and Organic Emissions from a Third World Residential Combustion Process. III Evaluation of a Potential Technique for the Control of Emissions from the Indoor, Open Hearth Combustion of Coal.
PB92-206499/REB 92-04 PC **A03**/MF **A01**

SMOKING

Respiratory Health Effects of Passive Smoking: Lung Cancer and Other Disorders.
PB92-182344/REB 92-04 PC **A24**/MF **A04**

Ineffectiveness of Cough for Enhancing Mucus Clearance in Asymptomatic Smokers.
PB92-233022/REB 92-04 PC **A02**/MF **A01**

SNOW REMOVAL

U.S. Environmental Protection Agency Research Program on the Environmental Impacts and Control of Highway Deicing Salt Pollution.
PB92-179688/REB 92-01 PC **A03**/MF **A01**

SODIUM CHLORIDE

Effect of Sodium Chloride on Transport of Bacteria in a Saturated Aquifer Material.
PB92-110428/REB 92-01 PC **A02**/MF **A01**

SODIUM DIACETATE

RED Facts: Sodium Diacetate.
PB92-145440/REB 92-01 PC **A02**/MF **A01**

Reregistration Eligibility Document (RED). Sodium Diacetate.
PB92-161934/REB 92-01 PC **A03**/MF **A01**

SODIUM HYPOCHLORITE

RED Facts: Sodium and Calcium Hypochlorite Salts.
PB92-171958/REB 92-01 PC **A02**/MF **A01**

Reregistration Eligibiligy Document (RED): Sodium and Calcium Hypochlorites.
PB92-180116/REB 92-01 PC **A04**/MF **A01**

SODIUM NITRATES

RED Facts: Inorganic Nitrate/Nitrite (Sodium and Potassium Nitrates).
PB92-145473/REB 92-01 PC **A02**/MF **A01**

Reregistration Eligibility Document (RED): Inorganic Nitrate/Nitrite (Sodium and Potassium Nitrates).
PB92-161975/REB 92-01 PC **A03**/MF **A01**

SOFTWARE

PA-Score (Preliminary Assessment Score), Version 1.0 (for Microcomputers).
PB92-500032/REB 92-01 CP **D02**

Permit Tracking System (PTS), Version 1.0 (for Microcomputers).
PB92-500347/REB 92-01 CP **D03**

Natural Enemy Risk Assessment (NERISK) (for Microcomputers).
PB92-500446/REB 92-01 CP **D08**

Regional Oxidant Model (ROM), (Source Code Only) (Version 2.1).
PB92-500842/REB 92-01 MagTape$1500.00

Regional Oxidant Model (ROM), Source Code and Test Data (Version 2.1).
PB92-500859/REB 92-01 MagTape$4000.00

Hazardous Air Pollutant Program (HAP-PRO). Version 1 (for Microcomputers).
PB92-501212/REB 92-01 CP **D03**

RETC Code for Quantifying the Hydraulic Functions of Unsaturated Soils (for Microcomputers).
PB92-501329/REB 92-01 CP **D02**

Standardized Costs for Water Supply Distribution (for Microcomputers).
PB92-501436/REB 92-01 CP **D02**

Organic Contract Compliance Screening System (OCCSS) Software (SOW February 1988) (for Microcomputers).
PB92-501501/REB 92-01 CP **D02**

Inorganic Contract Compliance Screening System (ICCSS) Software (SOW March 1990) (Version 1) (for Microcomputers).
PB92-501519/REB 92-01 CP **D02**

Organic Contract Compliance Screening System (OCCSS) Software (SOW March 1990) (Version 1) (for Microcomputers).
PB92-501527/REB 92-01 CP **D02**

Organic Contract Compliance Screening System (OCCSS) Software (SOW OLM01.8 Version January 1992) (Version 1) (for Microcomputers).
PB92-501535/REB 92-01 CP **D02**

Crosswalk/Air Toxic Emission Factor Data Base Management System (XATEF), (Version 1.2) (for Microcomputers).
PB92-501626/REB 92-01 CP **D02**

Protein Adducts for Exposure Monitoring: A Computerized Database (CPAD) (Version 1) (for Microcomputers).
PB92-501873/REB 92-01 CP **D02**

Complex Effluent Toxicity Information System (CETIS) (for Microcomputers).
PB92-501899/REB 92-01 CP **D04**

Organic Contract Compliance Screening System (OCCSS) Software (OLM01.8 Version 2) (for Microcomputers).
PB92-502202/REB 92-04 CP **D02**

Electrostatic Precipitator V-I (ESPVI 4.0) and Performance Prediction Model (for Microcomputers).
PB92-502251/REB 92-04 CP **D02**

Statistical Approach to Predicting Chronic Toxicity of Chemicals to Fishes from Acute Toxicity Test Data (for Microcomputers).
PB92-503119/REB 92-04 CP **D02**

SOFTWOODS

Nutrient Leaching from Conifer Needles in Relation to Foliar Apoplast Cation Exchange Capacity.
PB92-153378/REB 92-01 PC **A02**/MF **A01**

SOIL

Citizen's Guide to Soil Washing.
PB92-233097/REB 92-04 PC **A02**/MF **A01**

SOIL ANALYSIS

Forest Soil Response to Acid and Salt Additions of Sulfate. 1. Sulfur Constituents and Net Retention.
PB92-108182/REB 92-01 PC **A03**/MF **A01**

Forest Soil Response to Acid and Salt Additions of Sulfate: 2. Aluminum and Base Cations.
PB92-150549/REB 92-01 PC **A03**/MF **A01**

Sulfate Retention and Cation Leaching of Forest Soils in Response to Acid Additions.
PB92-153394/REB 92-01 PC **A03**/MF **A01**

SOIL CHEMISTRY

MANE: A Multiphase, Aqueous, Non-Steady State, Equilibrium Model for Simulating Soil-Water Interactions.
PB92-143817/REB 92-01 PC **A03**/MF **A01**

Soil Response to S and N Treatments in a Northern New England Low Elevation Coniferous Forest.
PB92-150556/REB 92-01 PC **A03**/MF **A01**

Spodosol Cation Release and Buffering of Acidic Inputs.
PB92-150580/REB 92-01 PC **A02**/MF **A01**

Mineral Weathering Rates in Acid-Sensitive Catchments: Extrapolation of Laboratory Experiments to the Field.
PB92-153030/REB 92-01 PC **A02**/MF **A01**

Guide for Conducting Treatability Studies under CERCLA: Soil Vapor Extraction. Quick Reference Fact Sheet.
PB92-231281/REB 92-04 PC **A02**/MF **A01**

SOIL CONSERVATION

Impact of Conservation Tillage Use on Soil and Atmospheric Carbon in the Contiguous United States.
PB92-113448/REB 92-01 PC **A03**/MF **A01**

SOIL CONTAMINATION

Soil-Air Permeability Method Evaluation.
PB92-124239/REB 92-01 PC **A02**/MF **A01**

Potential Reuse of Petroleum-Contaminated Soil: A Directory of Permitted Recycling Facilities.
PB92-173780/REB 92-04 PC **A03**/MF **A01**

SOIL DYNAMICS

Sulfur Dynamics in Mineral Horizons of Two Northern Hardwood Soils. A Column Study with (35)S.
PB92-139955/REB 92-01 PC **A03**/MF **A01**

Forest Soil Response to Acid and Salt Additions of Sulfate: 3. Solubilization and Composition of Dissolved Organic Carbon.
PB92-150564/REB 92-01 PC **A03**/MF **A01**

SOIL EROSION

Healthy Lawn, Healthy Environment. Caring for Your Lawn in an Environmentally Friendly Way.
PB92-233899/REB 92-04 PC **A03**/MF **A01**

SOIL FILTERS

Biological Activity and Potential Remediation Involving Geotextile *Landfill Leachate Filters.*
PB92-153451/REB 92-01 PC **A03**/MF **A01**

SOIL FLUSHING

In situ Soil Flushing. Engineering Bulletin.
PB92-180025/REB 92-01 PC **A02**/MF **A01**

Citizen's Guide to In situ Soil Flushing.
PB92-233113/REB 92-04 PC **A02**/MF **A01**

SOIL GAS

Modeling Radon Entry into Florida Houses with Concrete Slabs and Concrete-Block Stem Walls.
PB92-201128/REB 92-04 PC **A06**/MF **A02**

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Bioventing to Treat Fuel Spills from Underground Storage Tanks.
PB92-121342/REB 92-01 PC **A02**/MF **A01**

Soil Vapor Extraction Column Experiments on Gasoline Contaminated Soil.
PB92-226430/REB 92-04 PC **A05**/MF **A01**

SOIL MECHANICS

Technical Resource Document: Batch-Type Procedures for Estimating Soil Adsorption of Chemicals.
PB92-188515/REB 92-01 PC **A06**/MF **A02**

SOIL MICROBIOLOGY

Microbial Degradation of Flurtamone in Three Georgia Soils.
PB92-101682/REB 92-01 PC **A02**/MF **A01**

Bacterial Transport through Homogeneous Soil.
PB92-153329/REB 92-01 PC **A02**/MF **A01**

Treating Soil Solution Samplers to Prevent Microbial Removal of Analytes.
PB92-166610/REB 92-01 PC **A02**/MF **A01**

SOIL MICROORGANISMS

Model of Virus Transport in Unsaturated Soil.
PB92-119957/REB 92-01 PC **A07**/MF **A02**

Equilibrium-Analysis of Projected Climate Change Effects on the Global Soil Organic Matter Pool.
PB92-153022/REB 92-01 PC **A03**/MF **A01**

Sorption of Heavy Metals by the Soil Fungi 'Aspergillus niger' and Mucor rouxii.
PB92-179811/REB 92-01 PC **A02**/MF **A01**

SOIL PROPERTIES

Assessing UST Corrective Action Technology: A Scientific Evaluation of the Mobility of Organic Contaminants in Subsurface Environments.
PB92-114552/REB 92-01 PC **A16**/MF **A03**

RETC Code for Quantifying the Hydraulic Functions of Unsaturated Soils. Documentation.
PB92-119668/REB 92-01 PC **A05**/MF **A01**

Prospects for In situ Chemical Treatment for Contaminated Soil.
PB92-126929/REB 92-01 PC **A02**/MF **A01**

Modellierung und Simulation des Verhaltens von Umweltchemikalien in Boeden und Pflanzen (Modeling and Simulation of the Effect of (Environmental) Chemicals in Soil and in Plants).
PB92-143825/REB 92-01 PC **A02**/MF **A01**

Exposure Assessment Modeling for Hydrocarbon Spills into the Subsurface: Sensitivity to Soil Properties.
PB92-191147/REB 92-01 PC **A03**/MF **A01**

RETC Code for Quantifying the Hydraulic Functions of Unsaturated Soils (for Microcomputers).
PB92-501329/REB 92-01 CP **D02**

SOIL SURVEYS

Guide to Site and Soil Description for Hazardous Waste Site Characterization. Volume 1. Metals.
PB92-146158/REB 92-01 PC **A13**/MF **A03**

Direct/Delayed Response Project: Soil Characterization Comparison.
PB92-153428/REB 92-01 PC **A16**/MF **A03**

SOIL TESTS

Effects of Sampling Design Parameters on Block Selection.
PB92-180314/REB 92-01 PC **A02**/MF **A01**

SOIL TREATMENT

Comparison of In situ Vitrification and Rotary Kiln Incineration for Soils Treatment.
PB92-113174/REB 92-01 PC **A02**/MF **A01**

BioTrol Soil Washing System for Treatment of a Wood Preserving Site: Applications Analysis Report.
PB92-115245/REB 92-01 PC **A04**/MF **A01**

Technology Evaluation Report: Biotrol Soil Washing System for Treatment of a Wood Preserving Site. Volume 1.
PB92-115310/REB 92-01 PC **A13**/MF **A03**

Technology Evaluation Report: Biotrol Soil Washing System for Treatment of a Wood Preserving Site. Volume 2, Part A.
PB92-115328/REB 92-01 PC **A17**/MF **A04**

Technology Evaluation Report: Biotrol Soil Washing System for Treatment of a Wood Preserving Site. Volume 2, Part B.
PB92-115336/REB 92-01 PC **A15**/MF **A03**

Soil-Air Permeability Method Evaluation.
PB92-124239/REB 92-01 PC **A02**/MF **A01**

Removal of Creosote from Soil by Thermal Desorption.
PB92-126838/REB 92-01 PC **A02**/MF **A01**

Control of Aromatic Waste Air Streams by Soil Bioreactors.
PB92-144021/REB 92-01 PC **A02**/MF **A01**

Developments in Chemical Treatment of Contaminated Soil.
PB92-152933/REB 92-01 PC **A03**/MF **A01**

Guide for Conducting Treatability Studies under CERCLA: Soil Washing. Interim Guidance.
PB92-170570/REB 92-01 PC **A03**/MF **A01**

Guide for Conducting Treatability Studies under CERCLA: Soil Washing: Quick Reference Fact Sheet.
PB92-170588/REB 92-01 PC **A02**/MF **A01**

In situ Soil Flushing. Engineering Bulletin.
PB92-180025/REB 92-01 PC **A02**/MF **A01**

Air Emissions from the Treatment of Soils Contaminated with Petroleum Fuels and Other Substances.
PB92-212976/REB 92-04 PC **A12**/MF **A03**

On-Site Engineering Report for the Low-Temperature Thermal Desorption Pilot-Scale Test on Contaminated Soil.
PB92-216936/REB 92-04 PC **A07**/MF **A02**

Technology Evaluation Report: Babcock and Wilcox Cyclone Furnace Vitrification Technology. Volume 1.
PB92-222215/REB 92-04 PC **A06**/MF **A02**

Technology Evaluation Report: Babcock and Wilcox Cyclone Furnace Vitrification Technology. Volume 2.
PB92-222223/REB 92-04 PC **A15**/MF **A03**

Technology Demonstration Summary: Bio Trol Soil Washing System for Treatment of a Wood Preserving Site.
PB92-224393/REB 92-04 PC **A02**/MF **A01**

SOIL VAPOR EXTRACTION

Soil-Air Permeability Method Evaluation.
PB92-124239/REB 92-01 PC **A02**/MF **A01**

Air/Superfund National Technical Guidance Study Series: Estimation of Air Impacts for Soil Vapor Extraction (SVE) Systems.
PB92-143676/REB 92-01 PC **A03**/MF **A01**

Guide for Conducting Treatability Studies under CERCLA: Soil Vapor Extraction. Quick Reference Fact Sheet.
PB92-224401/REB 92-04 PC **A02**/MF **A01**

Guide for Conducting Treatability Studies under CERCLA: Soil Vapor Extraction. Quick Reference Fact Sheet.
PB92-231281/REB 92-04 PC **A02**/MF **A01**

SOIL VENTING

Bioventing to Treat Fuel Spills from Underground Storage Tanks.
PB92-121342/REB 92-01 PC **A02**/MF **A01**

Citizen's Guide to Bioventing.
PB92-235571/REB 92-04 PC **A01**/MF **A01**

Evaluation of Soil Venting Application. Ground Water Issue.
PB92-235605/REB 92-04 PC **A02**/MF **A01**

SOIL WASHING

BioTrol Soil Washing System for Treatment of a Wood Preserving Site: Applications Analysis Report.
PB92-115245/REB 92-01 PC **A04**/MF **A01**

Technology Evaluation Report: Biotrol Soil Washing System for Treatment of a Wood Preserving Site. Volume 1.
PB92-115310/REB 92-01 PC **A13**/MF **A03**

Technology Evaluation Report: Biotrol Soil Washing System for Treatment of a Wood Preserving Site. Volume 2, Part A.
PB92-115328/REB 92-01 PC **A17**/MF **A04**

Technology Evaluation Report: Biotrol Soil Washing System for Treatment of a Wood Preserving Site. Volume 2, Part B.
PB92-115336/REB 92-01 PC **A15**/MF **A03**

Separation of Hazardous Organics by Low Pressure Membranes: Treatment of Soil-Wash Rinse-Water Leachates.
PB92-153436/REB 92-01 PC **A07**/MF **A02**

Guide for Conducting Treatability Studies under CERCLA: Soil Washing. Interim Guidance.
PB92-170570/REB 92-01 PC **A03**/MF **A01**

Guide for Conducting Treatability Studies under CERCLA: Soil Washing: Quick Reference Fact Sheet.
PB92-170588/REB 92-01 PC **A02**/MF **A01**

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RETC Code for Quantifying the Hydraulic Functions of Unsaturated Soils. Documentation.
PB92-119668/REB 92-01 PC **A05**/MF **A01**

RETC Code for Quantifying the Hydraulic Functions of Unsaturated Soils (for Microcomputers).
PB92-501329/REB 92-01 CP **D02**

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MANE: A Multiphase, Aqueous, Non-Steady State, Equilibrium Model for Simulating Soil-Water Interactions.
PB92-143817/REB 92-01 PC **A03**/MF **A01**

SOIL-WATER-PLANT RELATIONSHIPS

Stress Interactions and Mycorrhizal Plant Response: Understanding Carbon Allocation Priorities.
PB92-144054/REB 92-01 PC **A03**/MF **A01**

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Pilot-Scale Incineration of Contaminated Soil from the Purity Oil Sales and McColl Superfund Sites.
PB92-105857/REB 92-01 PC **A04**/MF **A01**

Recovery of Bulk DNA from Soil by a Rapid, Small-Scale Extraction Method.
PB92-108141/REB 92-01 PC **A02**/MF **A01**

Inferences about Solute Transport in Macroporous Forest Soils from Time Series Models.
PB92-150572/REB 92-01 PC **A03**/MF **A01**

EPA SITE Demonstration of the BioTrol Soil Washing Process.
PB92-150655/REB 92-01 PC **A03**/MF **A01**

Measurement of Polycyclic Aromatic Hydrocarbons in Soils and Sediments by Particle-Beam/High-Performance Liquid Chromatography/Mass Spectrometry.
PB92-188721/REB 92-01 PC **A03**/MF **A01**

Synthetic Substrata for Propagation and Testing of Soil and Sediment Organisms.
PB92-195676/REB 92-01 PC **A03**/MF **A01**

Ground Water and Soil Contamination Remediation: Toward Compatible Science, Policy, and Public Perception. Report on a Colloquium Sponsored by the Water Science and Technology Board, Colloquium 5 of a Series.
PB92-224179/REB 92-04 PC **A12**/MF **A03**

Vendor Information System for Innovative Treatment Technologies (VISITT). Number 1.
PB92-224716/REB 92-04 PC **A02**/MF **A01**

Technology Evaluation Report: Site Program Demonstration of a Trial Excavation at the McColl Superfund Site.
PB92-226448/REB 92-04 PC **A10**/MF **A03**

Guide for Conducting Treatability Studies under CERCLA: Soil Vapor Extraction. Interim Guidance.
PB92-227271/REB 92-04 PC **A05**/MF **A01**

Removal of Creosote from Soil by Bioslurry Reactors.
PB92-227339/REB 92-04 PC **A03**/MF **A01**

Control Technologies for Remediation of Contaminated Soil and Waste Deposits at Superfund Lead Battery Recycling Sites.
PB92-227388/REB 92-04 PC **A03**/MF **A01**

Retech, Inc., Plasma Centrifugal Furnace: Applications Analysis Report.
PB92-231315/REB 92-04 PC **A04**/MF **A01**

Evaluation of Soil Venting Application. Ground Water Issue.
PB92-232362/REB 92-04 PC **A02**/MF **A01**

Citizen's Guide to Thermal Desorption.
PB92-232396/REB 92-04 PC **A02**/MF **A01**

Presentations EPA-State Soil Standards Conference. Held in Crystal City, Virginia on January 29, 1991.
PB92-963350/REB 92-01 PC **A08**/MF **A02**

Summary of Treatment Technology Effectiveness for Contaminated Soil.
PB92-963351/REB 92-01 PC **A23**/MF **A04**

Removal Program Representative Sampling Guidance. Volume 1. Soil.
PB92-963408/REB 92-01 PC **A04**/MF **A01**

SOLAR ULTRAVIOLET RADIATION

Potential Impacts of Increased Solar UV-B on Global Plant Productivity.
PB92-180223/REB 92-01 PC **A03**/MF **A01**

SOLEMYA VELUM

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Markets for Scrap Tires.
PB92-115252/REB 92-01 PC **A06**/MF **A02**

Available Disposal Capacity for Solid Waste in Illinois.
PB92-139815/REB 92-01 PC **A06**/MF **A02**

Burning Tires for Fuel and Tire Pyrolysis: Air Implications.
PB92-145358/REB 92-01 PC **A11**/MF **A03**

Preliminary Use and Substitutes Analysis of Lead and Cadmium in Products in Municipal Solid Waste.
PB92-162551/REB 92-01 PC **A09**/MF **A02**

Characterization of Products Containing Mercury in Municipal Solid Waste in the United States, 1970 to 2000.
PB92-162569/REB 92-01 PC **A07**/MF **A02**

Characterization of Municipal Solid Waste in the United States: 1992 Update.
PB92-207166/REB 92-04 PC **A07**/MF **A02**

SOLID WASTE MANAGEMENT

Material Recovery Facilities for Municipal Solid Waste.
PB92-137512/REB 92-01 PC **A08**/MF **A02**

RCRIS Data Element Dictionary, Version 3.0.0. Data Tape Documentation.
PB92-145515/REB 92-01 PC **A25**/MF **A06**

Solid Waste Contract Negotiation Handbook.
PB92-232172/REB 92-04 PC **A05**/MF **A01**

Resource Conservation and Recovery Information System (RCRIS) Extract Tape.
PB92-592290/REB 92-01 CP **T01**

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Regulatory Impact Analysis for the Final Criteria for Municipal Solid Waste Landfills.
PB92-100841/REB 92-01 PC **A13**/MF **A03**

Addendum to the Regulatory Impact Analysis for the Final Criteria for Municipal Solid Waste Landfills.
PB92-100858/REB 92-01 PC **A03**/MF **A01**

SOLIDIFICATION

United States Environmental Protection Agency Municipal Waste Combustion Residue Solidification/Stabilization Evaluation Program.
PB92-121177/REB 92-01 PC **A03**/MF **A01**

U.S. EPA Program for Evaluation of Treatment and Utilization Technologies for Municipal Waste Combustion Residues.
PB92-121185/REB 92-01 PC **A03**/MF **A01**

Comparison of Five Solidification/Stabilization Processes for Treatment of Municipal Waste Combustion Residues. Part 1. Physical Testing.
PB92-121193/REB 92-01 PC **A03**/MF **A01**

Comparison of Solidification/Stabilization Processes for Treatment of Municipal Waste Combustion Residues. Part 2. Leaching Properties.
PB92-121201/REB 92-01 PC **A03**/MF **A01**

Evaluation of Waste Stabilized by the Soliditech SITE Technology.
PB92-136878/REB 92-01 PC **A02**/MF **A01**

Solidification/Stabilization: Is It Always Appropriate.
PB92-191188/REB 92-01 PC **A03**/MF **A01**

Volatile Emissions from Stabilization/Solidification of Hazardous Waste.
PB92-217371/REB 92-04 PC **A03**/MF **A01**

SOLIDS

Method 1624: Volatile Organic Compounds by Isotope Dilution GCMS; Method 1625: Semivolatile Organic Compounds by Isotope Dilution GCMS.
PB92-231976/REB 92-04 PC **A05**/MF **A01**

SOLUBILITY

Estimation of Water Solubility and Octanol/Water Partition Coefficient of Hydrophobic Dyes. Part 1. Relationship between Solubility and Partition Coefficient.
PB92-124320/REB 92-01 PC **A03**/MF **A01**

Estimation of Water Solubility and Octanol/Water Partition Coefficient of Hydrophobic Dyes. Part 2. Reverse-Phase High Performance Liquid Chromatography.
PB92-124338/REB 92-01 PC **A02**/MF **A01**

Prediction of the Solubility of Hydrophobic Compounds in Nonideal Solvent Mixtures.
PB92-143999/REB 92-01 PC **A03**/MF **A01**

Surfactant-Enhanced Solubilization of Tetrachloroethylene and Degradation Products in Pump and Treat Remediation.
PB92-191121/REB 92-01 PC **A03**/MF **A01**

SOLUTES

Inferences about Solute Transport in Macroporous Forest Soils from Time Series Models.
PB92-150572/REB 92-01 PC **A03**/MF **A01**

SOLVENTS

Indoor Air Pollutants from Household Product Sources: Project Report.
PB92-136837/REB 92-01 PC **A08**/MF **A02**

Methodological Issues in Human Exposure Studies of Low Level Solvent Mixtures.
PB92-233030/REB 92-04 PC **A02**/MF **A01**

Citizen's Guide to Solvent Extraction.
PB92-233089/REB 92-04 PC **A01**/MF **A01**

SOMATOSENSORY EVOKED POTENTIALS

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Chemical and Physical Properties of Emissions from Kuwait Oil Fires.
PB92-206481/REB 92-04 PC **A03**/MF **A01**

SORBENTS

Effect of Storage Conditions on Handling and SO2 Reactivity of Ca(OH)2-Based Sorbents.
PB92-124270/REB 92-01 PC **A02**/MF **A01**

Measurement and Prediction of the Resistivity of Ash/Sorbent Mixtures Produced by Sulfur Oxide Control Processes.
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PB92-113190/REB 92-01 PC **A02**/MF **A01**

Effects of pH, *Solid/Solution Ratio, Ionic Strength,* and Organic Acids on Pb and Cd Sorption on Kaolinite.
PB92-143981/REB 92-01 PC **A02**/MF **A01**

Sorption of Heavy Metals by the Soil Fungi 'Aspergillus niger' and Mucor rouxii.
PB92-179811/REB 92-01 PC **A02**/MF **A01**

SOURCE APPORTIONMENT
14C Source Apportionment Technique Applied to Wintertime *Urban Aerosols and Gases for the EPA Integrated* Air Cancer Project.
PB92-171370 92-01 Not available NTIS

SOURCE CATEGORY LIST
Documentation for Developing the Initial Source Category List.
PB92-218429/REB 92-04 PC **A16**/MF **A03**

SOURCE-RECEPTOR RELATIONSHIPS
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PB92-152982/REB 92-01 PC **A02**/MF **A01**

SOURCE REDUCTION
Evaluation of Five Waste Minimization Technologies at the General Dynamics Pomona Division Plant.
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Guides to Pollution Prevention: The Photoprocessing Industry.
PB92-129121/REB 92-01 PC **A04**/MF **A01**

Guides to Pollution Prevention: The Automotive Refinishing Industry.
PB92-129139/REB 92-01 PC **A04**/MF **A01**

Achievements in Source Reduction and Recycling for Ten Industries in the United States.
PB92-137470/REB 92-01 PC **A04**/MF **A01**

Chemical Substitution for 1,1,1,-Trichloroethane and Methanol in an Industrial Cleaning Operation.
PB92-179886/REB 92-01 PC **A03**/MF **A01**

Modifications to Reduce Drag Out at a Printed Circuit Board Manufacturer.
PB92-198555/REB 92-04 PC **A03**/MF **A01**

European Packaging Initiatives: Leading the Way on Source Reduction.
PB92-206242/REB 92-04 PC **A02**/MF **A01**

Waste Reduction Activities and Options at a Printer of Forms and Supplies for the Legal Profession.
PB92-217496/REB 92-04 PC **A02**/MF **A01**

Automated Aqueous Rotary Washer for the Metal Finishing Industry. Technology Evaluation Report.
PB92-232214/REB 92-04 PC **A04**/MF **A01**

Waste Reduction Activities and Options for a Nuclear *Powered Electrical Generating Station.*
PB92-235654/REB 92-04 PC **A02**/MF **A01**

SOUTH CAROLINA
National Priorities List Sites: South Carolina.
PB92-963210/REB 92-01 PC **A05**/MF **A01**

SOUTHWEST REGION (ILLINOIS)
Volunteer Lake Monitoring Program, 1991. Volume 6. Southwestern Illinois Region.
PB92-222876/REB 92-04 PC **A04**/MF **A01**

SPACE HVAC SYSTEMS
Performance Evaluation of a Variable Speed, Mixed Refrigerant Heat Pump.
PB92-143759/REB 92-01 PC **A04**/MF **A01**

SPATIAL BEHAVIOR
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PB92-150770/REB 92-01 PC **A03**/MF **A01**

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PB92-227446/REB 92-04 PC **A03**/MF **A01**

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Influence of Size on *Fate and Ecological Effects of* Kepone in Physical Models.
PB92-121326/REB 92-01 PC **A03**/MF **A01**

SPECIALIZED TRAINING
Pesticide Applicator Training Materials: A Bibliography.
PB92-780873/REB 92-01 PC**$97.50**/MF**$42.50**

SPECIATE SYSTEM
Volatile Organic Compound (VOC) and Particulate Matter (PM) Speciation Data System *User's Manual, Version* 1.4.
PB92-105527/REB 92-01 PC **A04**/MF **A01**

Volatile Organic Compound and Particulate Matter (VOC/PM) Speciation Data Base Management System (SPECIATE), Version 1.4 (for Microcomputers).
PB92-500354/REB 92-01 CP **D02**

SPECIES DIVERSITY
Indicators for Monitoring Biodiversity: A Hierarchical Approach.
PB92-108117/REB 92-01 PC **A03**/MF **A01**

Compound-Induced Alterations of Sexual Differentiation: A Review of Effects in Humans and Rodents.
PB92-158583/REB 92-01 PC **A03**/MF **A01**

Air Pollution Effects on Biodiversity.
PB92-170166/REB 92-01 PC **A15**/MF **A03**

Interspecies Cytogenetic Comparisons: Studies with X-Radiation and Bleomycin Sulfate.
PB92-227438/REB 92-04 PC **A03**/MF **A01**

SPECIES SPECIFICITY
Interspecies Comparisons of A/D Ratios: A/D Ratios Are Not Constant Across Species.
PB92-143965/REB 92-01 PC **A03**/MF **A01**

Interspecies Sensitivity to Chemical Carcinogens: Relationships between Mouse Skin Tumors and Human Lung Cancer.
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Spongiosis Hepatis: Chemical Induction, Pathogenesis, *and Possible Neoplastic Fate in a Teleost Fish Model.*
PB92-195700/REB 92-01 PC **A03**/MF **A01**

SPOTTED SEATROUT
Chesapeake Bay Weakfish and Spotted Seatrout Fishery Management Plan: An Agreement Commitment Report from the Chesapeake Executive Council.
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Stabilization Technologies for RCRA Corrective Actions. Handbook.
PB92-114495/REB 92-01 PC **A04**/MF **A01**

United States Environmental Protection Agency Municipal Waste Combustion Residue Solidification/Stabilization Evaluation Program.
PB92-121177/REB 92-01 PC **A03**/MF **A01**

U.S. EPA Program for Evaluation of Treatment and Utilization Technologies for Municipal Waste Combustion Residues.
PB92-121185/REB 92-01 PC **A03**/MF **A01**

Comparison of Five Solidification/Stabilization Processes for Treatment of Municipal Waste Combustion Residues. Part 1. Physical Testing.
PB92-121193/REB 92-01 PC **A03**/MF **A01**

Comparison of Solidification/Stabilization Processes for Treatment of Municipal Waste Combustion Residues. Part 2. Leaching Properties.
PB92-121201/REB 92-01 PC **A03**/MF **A01**

Solidification/Stabilization: Is It Always Appropriate.
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Design and Implementation of a Collaborative Study of the Mutagenicity of Complex Mixtures in 'Salmonella typhimurium'.
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Standard Reference *Materials for Chemical and Biological* Studies of Complex Environmental Samples.
PB92-150705/REB 92-01 PC **A03**/MF **A01**

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Recommended Foundation Fill Materials Construction Standard of the *Florida Radon Research Program.*
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Standard Operating Procedures for Measurement of Lead in Paint Using the SCITEC MAP-3 X-ray Fluorescence Spectrometer.
PB92-114180/REB 92-01 PC **A04**/MF **A01**

U.S. Standards for Air Sampling of Environmental Contaminants: Current Basis and Future Options.
PB92-121219/REB 92-01 PC **A03**/MF **A01**

Development of a National Consensus Standard for Quality Assurance for Environmental Programs.
PB92-143783/REB 92-01 PC **A03**/MF **A01**

Reregistration Eligibility Document (RED): Silicon Dioxide and *Silica Gel.*
PB92-161900/REB 92-01 PC **A04**/MF **A01**

Reregistration Eligibility Document (RED), Sodium Diacetate.
PB92-161934/REB 92-01 PC **A03**/MF **A01**

Reregistration Eligibility Document (RED): Dried Blood.
PB92-161942/REB 92-01 PC **A03**/MF **A01**

Handbook for Special Public Notification for Lead for Public Drinking Water Suppliers.
PB92-164722/REB 92-01 PC **A04**/MF **A01**

Stability of Air Toxic Gases Listed in Title III Clean Air Act Amendments.
PB92-188812/REB 92-01 PC **A03**/MF **A01**

At the Threshold: A National Consensus Quality Systems Standard for Environmental Programs, 1992.
PB92-209295/REB 92-04 PC **A03**/MF **A01**

Reregistration Eligibility Document (RED): Alkyl Amine Hydrochloride.
PB92-220219/REB 92-04 PC **A06**/MF **A02**

Reregistration Eligibility Document (RED): Putrescent Whole Egg Solids.
PB92-220227/REB 92-04 PC **A06**/MF **A02**

Reregistration Eligibility Document (RED): 'Allium sativum' *(Garlic).*
PB92-220235/REB 92-04 PC **A07**/MF **A02**

Development Document for Effluent Limitations Guidelines and Standards and Pretreatment Standards for the Steam Electric: Point Source Category.
PB92-226422/REB 92-04 PC **A99**/MF **A06**

Pesticide Fact Sheet Number 237: Oxadixyl. (New Chemical Registration).
PB92-238492/REB 92-04 PC **A02**/MF **A01**

Pesticide Fact Sheet Number 238: 'Pseudomonas fluorescens' and 'Pseudomonas syringae' Strains.
PB92-238500/REB 92-04 PC **A02**/MF **A01**

STANDARDS COMPLIANCE
BEN: A Model to Calculate the Economic *Benefit of Non*compliance. User's Manual.
PB92-230358/REB 92-04 PC **A08**/MF **A02**

STATE GOVERNMENT
Procedures for the Preparation of Emission Inventories for Carbon *Monoxide and Precursors of Ozone. Volume* 1. General Guidance for Stationary Sources.
PB92-112168/REB 92-01 PC **A11**/MF **A03**

Emergency Exemptions under Section 18 of the Federal Insecticide Fungicide and Rodenticide Act. 1. Guidance for State and Federal Agencies.
PB92-183235/REB 92-04 PC **A03**/MF **A01**

STATE IMPLEMENTATION PLANS

Emission Inventory Requirements for Carbon Monoxide State Implementation Plans, 1991.
PB92-112150/REB 92-01 PC **A05**/MF **A01**

Example Emission Inventory Documentation for Post-1987 Ozone State Implementation Plans (SIPs).
PB92-112176/REB 92-01 PC **A18**/MF **A04**

Emission Inventory Requirements for Ozone State Implementation Plans.
PB92-118017/REB 92-01 PC **A06**/MF **A02**

Implementing Protective Actions for Radiological Incidents at Other Than Nuclear Power Reactors. Proceedings of a Workshop. Held in Montgomery, Alabama on September 25-26, 1991.
PB92-192764/REB 92-01 PC **A05**/MF **A01**

Quality Review Guidelines for 1990 Base Year Emission Inventories.
PB92-224435/REB 92-04 PC **A12**/MF **A03**

Guidance for State Implementation of Water Quality Standards for CWA Section 303(C)(2)(B).
PB92-231604/REB 92-04 PC **A03**/MF **A01**

Technical Support Manual: Waterbody Surveys and Assessments for Conducting Use Attainability Analyses.
PB92-231794/REB 92-04 PC **A10**/MF **A03**

Technical Support Manual: Waterbody Surveys and Assessments for Conducting Use Attainability Analyses. Volume 3: Lake Systems.
PB92-231802/REB 92-04 PC **A10**/MF **A03**

Water Quality Standards Handbook.
PB92-231851/REB 92-04 PC **A12**/MF **A03**

Technical Support Manual: Waterbody Surveys and Assessments for Conducting Use Attainability Analyses. Volume 2: Estuarine Systems.
PB92-231877/REB 92-04 PC **A09**/MF **A02**

Technical Support Document to Aid States with the Development of Carbon Monoxide State Implementation Plans.
PB92-233055/REB 92-04 PC **A04**/MF **A01**

STATE PROGRAMS

Paying for Safe Water: Alternative Financing Mechanisms for State Drinking Water Programs.
PB92-117993/REB 92-01 PC **A04**/MF **A01**

Study of State Operator Certification Programs.
PB92-137199/REB 92-01 PC **A05**/MF **A01**

Inactive and Abandoned Noncoal Mines. Volume 2. State Reports.
PB92-190123/REB 92-01 PC **A19**/MF **A04**

Inactive and Abandoned Noncoal Mines. Volume 3. Appendix: State Reports.
PB92-190131/REB 92-01 PC **A14**/MF **A03**

Projected Regulatory, Programmatic and Fiscal Impacts of EPA's Strawman-II on State Mine Waste Management Programs. Volume 1. Summary Report.
PB92-190156/REB 92-01 PC **A04**/MF **A01**

Projected Regulatory, Programmatic and Fiscal Impacts of EPA's Strawman-II on State Mine Waste Management Programs. Volume 2. State Reports of Western Governors' Association Mine Waste Task Force States.
PB92-190164/REB 92-01 PC **A99**

Projected Regulatory, Programmatic and Fiscal Impacts of EPA's Strawman-II on State Mine Waste Management Programs. Volume 3. Appendix: State Reports Interstate Coalition on Mine Waste.
PB92-190172/REB 92-01 PC **A14**

Guidance on Site Assessment Cooperative Agreements.
PB92-224385/REB 92-04 PC **A03**/MF **A01**

Biological Criteria: State Development and Implementation Efforts.
PB92-231513/REB 92-04 PC **A03**/MF **A01**

Analysis of State Superfund Programs: 50-State Study. 1991 Update.
PB92-963418/REB 92-04 PC **A12**/MF **A03**

STATEN ISLAND (NEW YORK)

Staten Island/New Jersey Urban Air Toxics Assessment Project. Quarterly and Summary Data (for Microcomputers). October 1987-March 1991.
PB92-504174/REB 92-04 CP **D02**

STATES PROGRAMS

Handbook of State Management Practices, July 1984.
PB92-164755/REB 92-01 PC **A08**/MF **A02**

STATES (UNITED STATES)

Nitrate Occurence in U.S. Waters (and Related Questions). A Reference Summary of Published Sources from an Agricultural Perspective.
PB92-155696/REB 92-01 PC **A03**/MF **A01**

STATIONARY SOURCES

Procedures for the Preparation of Emission Inventories for Carbon Monoxide and Precursors of Ozone. Volume 1. General Guidance for Stationary Sources.
PB92-112168/REB 92-01 PC **A11**/MF **A03**

Non-Equilibrium Effects in the Vaporization of Multicomponent Fuel Droplets.
PB92-121425/REB 92-01 PC **A02**/MF **A01**

Compilation of Air Pollutant Emission Factors. Volume 1. Stationary Point and Area Sources. Fourth Edition. Supplement D.
PB92-126945/REB 92-01 PC **A07**/MF **A02**

Sampling and Analysis of PCDDs and PCDFs in Stationary Source Emission Air Samples.
PB92-166677/REB 92-01 PC **A02**/MF **A01**

STATISTICAL ANALYSIS

Statistical Methodology for Exploring Elevational Differences in Precipitation Chemistry.
PB92-144088/REB 92-01 PC **A03**/MF **A01**

Statistical Issues in Environmental Monitoring and Assessment.
PB92-178987/REB 92-01 PC **A03**/MF **A01**

Evaluation and Comparison of Spatial Interpolators.
PB92-227446/REB 92-04 PC **A03**/MF **A01**

STATISTICAL DATA

Guide to Selected National Environmental Statistics in the U.S. Government.
PB92-201144/REB 92-04 PC **A05**/MF **A02**

STATUTES

Contaminated Sediments: Relevant Statutes and EPA Program Activities.
PB92-231547/REB 92-04 PC **A07**/MF **A02**

STEAM ELECTRIC POWER GENERATION

Development Document for Effluent Limitations Guidelines and Standards and Pretreatment Standards for the Steam Electric Point Source Category.
PB92-226422/REB 92-04 PC **A99**/MF **A06**

STORAGE

Effect of Storage Conditions on Handling and SO2 Reactivity of Ca(OH)2-Based Sorbents.
PB92-124270/REB 92-01 PC **A02**/MF **A01**

STORAGE TANKS

Volumetric Leak Detection in Large Underground Storage Tanks. Volume 1.
PB92-114966/REB 92-01 PC **A05**/MF **A01**

Volumetric Leak Detection in Large Underground Storage Tanks. Volume 2. Appendices A through E.
PB92-114974/REB 92-01 PC **A05**/MF **A01**

Technical Guidance: Stage II Vapor Recovery Systems for Control of Vehicle Refueling Emissions at Gasoline Dispensing Facilities. Volume 2. Appendices.
PB92-132851/REB 92-01 PC **A20**/MF **A04**

Technical Aspects of Underground Storage Tank Closure.
PB92-161199/REB 92-01 PC **A04**/MF **A01**

Remediation of Leaking USTs: A System for Accessing Case Histories and Related Documents.
PB92-179803/REB 92-01 PC **A02**/MF **A01**

Underground Storage Tanks on Indian Lands. Education Moderates: An Environmental Treat.
PB92-179860/REB 92-01 PC **A02**/MF **A01**

Understanding the Fate of Petroleum Hydrocarbons in the Subsurface Environment.
PB92-217157/REB 92-04 PC **A02**/MF **A01**

STORM DRAINS

U.S. EPA's Manual of Practice for the Investigation and Control of Cross-Connection Pollution into Storm Drainage Systems.
PB92-217074/REB 92-04 PC **A02**/MF **A01**

Ozone Disinfection and Treatment of Urban Storm Drain Dry-Weather Flows: A Pilot Treatment Plant Demonstration Project on the Kenter Canyon Storm Drain System in Santa Monica.
PB92-239268/REB 92-04 PC **A06**/MF **A02**

STORM SEWERS

Storm and Combined Sewer Pollution Control: A Compilation of Significant References.
PB92-114560/REB 92-01 PC **A03**/MF **A01**

Non-Stormwater Discharges into Storm Drainage Systems.
PB92-158559/REB 92-01 PC **A03**/MF **A01**

U.S. EPA's Manual of Practice for the Investigation and Control of Cross-Connection Pollution into Storm Drainage Systems.
PB92-217074/REB 92-04 PC **A02**/MF **A01**

STORM WATER RUNOFF

Storm and Combined Sewer Pollution Control: A Compilation of Significant References.
PB92-114560/REB 92-01 PC **A03**/MF **A01**

Detection and Disinfection of Pathogens in Storm-Generated Flows.
PB92-209311/REB 92-04 PC **A03**/MF **A01**

STOVES

Field Performance of Woodburning Stoves in Crested Butte, Colorado.
PB92-113133/REB 92-01 PC **A03**/MF **A01**

Greenhouse Gases from Small-Scale Combustion in Developing Countries: A Pilot Study in Manila.
PB92-139369/REB 92-01 PC **A04**/MF **A01**

Residential Wood Combustion: Issues and Emission Estimation Techniques.
PB92-139435/REB 92-01 PC **A03**/MF **A01**

Effects of Operating Variables on PAH Emissions and Mutagenicity of Emissions from Woodstoves (Journal Article).
PB92-195809/REB 92-01 PC **A02**/MF **A01**

STRATIFICATION

Three Case Studies of Lake Temperature and Stratification Response to Warmer Climate.
PB92-121391/REB 92-01 PC **A03**/MF **A01**

STRATOSPHERE

Annular Denuders for Use in Global Climate and Stratospheric Measurements of Acidic Gases and Particles (Abstract Only).
N91-32531/6/REB 92-01
(Order as N91-32528/2/REB, PC **A05**/MF **A01**)

Stratospheric Ozone Protection: An EPA Engineering Perspective.
PB92-136894/REB 92-01 PC **A02**/MF **A01**

STRAWMAN 2 PROGRAM

Projected Regulatory, Programmatic and Fiscal Impacts of EPA's Strawman-II on State Mine Waste Management Programs. Volume 1. Summary Report.
PB92-190156/REB 92-01 PC **A04**/MF **A01**

Projected Regulatory, Programmatic and Fiscal Impacts of EPA's Strawman-II on State Mine Waste Management Programs. Volume 2. State Reports of Western Governors' Association Mine Waste Task Force States.
PB92-190164/REB 92-01 PC **A99**

Projected Regulatory, Programmatic and Fiscal Impacts of EPA's Strawman-II on State Mine Waste Management Programs. Volume 3. Appendix: State Reports Interstate Coalition on Mine Waste.
PB92-190172/REB 92-01 PC **A14**

STREAM POLLUTION

System for Control of River Water Quality for the Community of Madrid Using QUAL2E.
PB92-206218/REB 92-04 PC **A02**/MF **A01**

STREAMFLOW

Technical Guidance Manual for Performing Wasteload Allocation. Book 6. Design Conditions. Chapter 1: Stream Design Flow for Steady-State Modeling.
PB92-231778/REB 92-04 PC **A04**/MF **A01**

STREAMS

Trends in Catskill Stream Water Quality: Evidence from Historical Data.
PB92-153832/REB 92-01 PC **A03**/MF **A01**

Technical Guidance on Supplementary Stream Design Conditions for Steady State Modeling.
PB92-231844/REB 92-04 PC **A05**/MF **A01**

STREPTOMYCES LIVIDANS

Cloning and Expression of a Lignin Peroxidase Gene from 'Streptomyces viridosporus' in 'Streptomyces lividans'.
PB92-180389/REB 92-01 PC **A03**/MF **A01**

STREPTOMYCES VIRIDOSPORUS

Cloning and Expression of a Lignin Peroxidase Gene from 'Streptomyces viridosporus' in 'Streptomyces lividans'.
PB92-180389/REB 92-01 PC **A03**/MF **A01**

STRESS

Stress Interactions and Mycorrhizal Plant Response: Understanding Carbon Allocation Priorities.
PB92-144054/REB 92-01 PC **A03**/MF **A01**

STRIPPERS

Tech Trends (Number 8).
PB92-221985/REB 92-04 PC **A01**/MF **A01**

STRUCTURE-ACTIVITY RELATIONSHIPS

Quantitative Comparison of Molecular Electrostatic Potentials for Structure-Activity Studies.
PB92-110519/REB 92-01 PC **A03**/MF **A01**

QSARs for Predicting Biotic and Abiotic Reductive Transformation Rate Constants of Halogenated Hydrocarbons in Anoxic Sediment Systems.
PB92-166792/REB 92-01 PC **A03**/MF **A01**

QSARs for Predicting Reductive Transformation Rate Constants of Halogenated Aromatic Hydrocarbons in Anoxic Sediment Systems.
PB92-166800/REB 92-01 PC **A03**/MF **A01**

Reductive Transformations of Halogenated Aromatic Hydrocarbons in Anaerobic Water-Sediment Systems: Kinetics, Mechanisms and Products.
PB92-166818/REB 92-01 PC **A03**/MF **A01**

Infrared Spectroscopy-Based Property-Reactivity Correlations for Predicting Environmental Fate of Organic Chemicals.
PB92-232925/REB 92-04 PC **A03**/MF **A01**

STRUCTURE REACTIVITY RELATIONSHIPS

Determination of Rates of Reaction in the Gas-Phase in the Troposphere. Theory and Practice. 3. Rate of Indirect Photoreaction.
PB92-150374/REB 92-01 PC **A11**/MF **A03**

Determination of Rates of Reaction in the Gas-Phase in the Troposphere. Theory and Practice. 4. Rate of Indirect Photoreaction.
PB92-150382/REB 92-01 PC **A05**/MF **A01**

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Evaluation and Comparison of Spatial Interpolators.
PB92-227446/REB 92-04 PC **A03**/MF **A01**

STYRENE

Role of Metallothionein Induction and Altered Zinc Status in Maternally Mediated Developmental Toxicity: Comparison of the Effects of Urethane and Styrene in Rats.
PB92-124635/REB 92-01 PC **A03**/MF **A01**

Locating and Estimating Air Emissions from Sources of Styrene, Interim Report.
PB92-126788/REB 92-01 PC **A08**/MF **A02**

SUB-SLAB DEPRESSURIZATION

Recommended Sub-Slab Depressurization Systems Design Standard of the Florida Radon Research Program.
PB92-105626/REB 92-01 PC **A03**/MF **A01**

SUBCONTRACTS
Contracting and Subcontracting Guide to the Superfund Program.
PB92-963274/REB 92-04 PC **Free**

SUBMERGED AQUATIC VEGETATION
Distribution of Submerged Aquatic Vegetation in the Chesapeake Bay and Tributaries and Chincoteague Bay - 1990.
PB92-145366/REB 92-01 PC **A13**

SUBSLAB DEPRESSURIZATION SYSTEMS
Modeling Air Flow Dynamics in Radon Mitigation Systems: A Simplified Approach.
PB92-120427/REB 92-01 PC **A02**/MF **A01**

Simplified Modeling of Air Flow Dynamics in SSD Radon Mitigation Systems for Residences with Gravel Beds.
PB92-195635/REB 92-01 PC **A05**/MF **A01**

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Manual for Non-CFC Aerosol Packaging: *Conversion* from CFC to Hydrocarbon Propellants.
PB92-101344/REB 92-01 PC **A10**/MF **A03**

Predictions of Azeotropes Formed from Fluorinated Ethers, Ethanes, and Propanes.
PB92-195908/REB 92-01 PC **A03**/MF **A01**

Thermodynamic Evaluation of Predicted Fluorinated Ether, Ethane, and Propane Azeotropes.
PB92-198241/REB 92-04 PC **A03**/MF **A01**

Physical Property Data on Fluorinated Propanes and Butanes as CFC and HCFC Alternatives.
PB92-206507/REB 92-04 PC **A03**/MF **A01**

SUBSURFACE INVESTIGATIONS
Assessing UST Corrective Action Technology: A Scientific Evaluation of the Mobility of Organic Contaminants in Subsurface Environments.
PB92-114552/REB 92-01 PC **A16**/MF **A03**

Global Carbon Cycle and Climate Change: Responses and Feedbacks from Below-Ground Systems.
PB92-121359/REB 92-01 PC **A03**/MF **A01**

*Study to Determine the Feasibility of Using a Ground-*Penetrating Radar for More Effective Remediation of Subsurface Contamination.
PB92-169382/REB 92-04 PC **A06**/MF **A02**

Modeling Contaminant Transport through Subsurface Systems.
PB92-179118/REB 92-01 PC **A03**/MF **A01**

Spatial Variability of Geochemical and Hydrologic Properties of Subsurface Materials in a Sand and Gravel Aquifer, *Cape Cod, Massachusetts*.
PB92-179126/REB 92-01 PC **A02**/MF **A01**

Surface-Charge Repulsive Effects on the Mobility of Inorganic Colloids in Surface Systems. *Annual Colloid and* Surface Science Symposium (65th). Held in Norman, Oklahoma on June 17-19, 1991.
PB92-191139/REB 92-01 PC **A03**/MF **A01**

Understanding the Fate of Petroleum Hydrocarbons in the Subsurface Environment.
PB92-217157/REB 92-04 PC **A02**/MF **A01**

SULFATE REDUCING BACTERIA
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PB92-166735/REB 92-01 PC **A02**/MF **A01**

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PB92-152966/REB 92-01 PC **A02**/MF **A01**

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PB92-108182/REB 92-01 PC **A03**/MF **A01**

Estimating Critical Loads of Sulfate to Surface Waters in the Northeastern United States: A Comparative Assessment of Three Procedures for Estimating Critical Loads of Sulfate for Lakes.
PB92-119015/REB 92-01 PC **A03**/MF **A01**

Forest Soil Response to Acid and Salt Additions of Sulfate: 3. Solubilization and Composition of Dissolved Organic Carbon.
PB92-150564/REB 92-01 PC **A03**/MF **A01**

Partitioning of the Sulfate Budget into Gas and Aqueous-Phase Components in the Regional Acid Deposition Model (RADM).
PB92-152966/REB 92-01 PC **A02**/MF **A01**

Sulfate Retention and Cation Leaching of Forest Soils in Response to Acid Additions.
PB92-153394/REB 92-01 PC **A03**/MF **A01**

Effect of Sub-Grid-Scale Rainfall Analysis on Sulfate Wet Deposition Estimates in the Regional Lagrangian Model of Air Pollution (RELMAP).
PB92-158526/REB 92-01 PC **A02**/MF **A01**

Evaluation of the Fourier Transform Infrared Spectrometer for Particle-Associated Ammonium Sulfate Determination.
PB92-160084/REB 92-01 PC **A04**/MF **A01**

SULFIDE MINERALS
Reduction of Nitrobenzene by Four Sulfide Minerals: Kinetics, Products, and Solubility.
PB92-153816/REB 92-01 PC **A02**/MF **A01**

SULFIDES
Near-Continuous Measurement of Hydrogen Sulfide and Carbonyl Sulfide by an Automatic Gas Chromatograph.
PB92-150598/REB 92-01 PC **A02**/MF **A01**

Abiotic Transformation of Carbon Tetrachloride in the Presence of Sulfide and Mineral Surfaces.
PB92-179738/REB 92-01 PC **A02**/MF **A01**

SULFUR
Regional Fine Particle Field Study: Data Base and Initial Results.
PB92-106939/REB 92-01 PC **A05**/MF **A01**

RED Facts: Sulfur.
PB92-114347/REB 92-01 PC **A02**/MF **A01**

Reregistration Eligibility Document (RED): Sulfur (List A, Case 0031).
PB92-114453/REB 92-01 PC **A04**/MF **A01**

Sulfur Dynamics of Forest Ecosystems.
PB92-153048/REB 92-01 PC **A04**/MF **A01**

Direct/Delayed Response Project: Future Effects of Long-Term Sulfur Deposition on Stream Chemistry in the Mid-Appalachian Region of the Eastern United States.
PB92-232370/REB 92-04 PC **A18**/MF **A04**

SULFUR DIOXIDE
Sulfur Oxides Control Technology Series: Flue Gas Desulfurization. Dual Alkali Process.
PB92-150341/REB 92-01 PC **A03**/MF **A01**

Sulfur Oxides Control Technology Series: Flue Gas Desulfurization: Spray Dryer Process.
PB92-150358/REB 92-01 PC **A03**/MF **A01**

Performance of Automated Ambient SO2 Analyzers with Respect to a Proposed 5-Minute Ambient Air Quality Standard.
PB92-192178/REB 92-01 PC **A03**/MF **A01**

SULFUR ORGANIC COMPOUNDS
Sulfur Dynamics in Mineral Horizons of Two Northern Hardwood Soils. A Column Study with (35)S.
PB92-139955/REB 92-01 PC **A03**/MF **A01**

SUMMA CANISTERS
Compendium of ERT Air Sampling Procedures.
PB92-963406/REB 92-04 PC **A07**/MF **A02**

SUMTER COUNTY (GEORGIA)
Protecting *Endangered Species: Interim Measures*, Sumter County, Georgia.
PB92-232701/REB 92-04 PC **A01**/MF **A01**

SUNFLOWER COUNTY (MISSISSIPPI)
Protecting Endangered Species: Interim Measures, Sunflower County, Mississippi.
PB92-232552/REB 92-04 PC **A01**/MF **A01**

SUNLIGHT
Sunlight-Induced Oxidation and Reduction of Organic Xenobiotics in Water, 1992.
PB92-150499/REB 92-01 PC **A03**/MF **A01**

SUPER ESP
SUPER ESP: Ultimate Electrostatic Precipitation.
PB92-113125/REB 92-01 PC **A03**/MF **A01**

SUPERCRITICAL STATE
Supercritical Water Oxidation: Engineering Bulletin.
PB92-224088/REB 92-04 PC **A02**/MF **A01**

SUPERFUND
Toxicological Assessment of Hazardous Wastes.
AD-P006 468/3/REB 92-01 PC **A03**/MF **A01**

Superfund Program: Ten Years of Progress.
PB91-921286/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 4): Jadco-Hughes Site, North Belmont, NC. (First Remedial Action), September 1990.
PB91-921565/REB 92-01 PC **A17**/MF **A03**

Superfund Record of Decision (EPA Region 3): Hranica Landfill, Buffalo Township, PA. (First Remedial Action), June 1990.
PB91-921566/REB 92-01 PC **A03**/MF **A01**

Citizens' Guidance Manual for the Technical Assistance Grant Program.
PB92-101435/REB 92-01 PC **A14**/MF **A03**

OSWER Source Book: Training and Technology Transfer Resources.
PB92-102169/REB 92-01 PC **A13**/MF **A03**

Conducting RCRA Inspections at Mixed Waste Facilities.
PB92-105196/REB 92-01 PC **A04**/MF **A01**

Community Relations during Enforcement Activities and Development of the Administrative Record.
PB92-105469/REB 92-01 PC **A03**/MF **A01**

Section 3008(h) Module Order on Consent.
PB92-105477/REB 92-01 PC **A03**/MF **A01**

Guide for Conducting Treatability Studies under CERCLA: Aerobic Biodegradation Remedy Screening. Interim Guidance.
PB92-109065/REB 92-01 PC **A03**/MF **A01**

Guide for Conducting Treatability Studies under CERCLA: Aerobic Biodegradation Remedy Screening.
PB92-109073/REB 92-01 PC **A02**/MF **A01**

Superfund Engineering Issue: Issues Affecting the Applicability and Success of Remedial/Removal Incineration Projects.
PB92-109081/REB 92-01 PC **A03**/MF **A01**

Technology Evaluation Report: Biotrol Soil Washing System for Treatment of a Wood Preserving Site. Volume 1.
PB92-115310/REB 92-01 PC **A13**/MF **A03**

Technology Evaluation Report: Biotrol Soil Washing System for Treatment of a Wood Preserving Site. Volume 2, Part A.
PB92-115328/REB 92-01 PC **A17**/MF **A04**

Technology Evaluation Report: Biotrol Soil Washing System for Treatment of a Wood Preserving Site. Volume 2, Part B.
PB92-115336/REB 92-01 PC **A15**/MF **A03**

DuPont/Oberlin Microfiltration Technology. Applications Analysis Report.
PB92-119023/REB 92-01 PC **A04**/MF **A01**

U.S. EPA SITE Demonstration of AWD Technologies' AquaDetox/SVE System.
PB92-124387/REB 92-01 PC **A02**/MF **A01**

Superfund Innovative Technology Evaluation: The Delaware SITE Study, 1989.
PB92-125749/REB 92-01 PC **A08**/MF **A02**

Prospects for In situ Chemical Treatment for Contaminated Soil.
PB92-126929/REB 92-01 PC **A02**/MF **A01**

Bench-Scale Evaluation of Alternative Biological Treatment Processes for the Remediation of Pentachlorophenol- and Creosote-Contaminated Materials: Slurry-Phase Bioremediation.
PB92-129683/REB 92-01 PC **A02**/MF **A01**

Bench-Scale Evaluation of Alternative Biological Treatment Processes for the Remediation of Pentachlorophenol- and Creosote-Contaminated Materials: Solid-Phase Bioremediation.
PB92-129725/REB 92-01 PC **A03**/MF **A01**

Detoxification of Pentachlorophenol and Creosote Contaminated Groundwater by Physical Extraction: Chemical and Biological Assessment.
PB92-129733/REB 92-01 PC **A02**/MF **A01**

Evaluation of Waste Stabilized by the Soliditech SITE Technology.
PB92-136878/REB 92-01 PC **A02**/MF **A01**

Demonstration of Microfiltration Technology.
PB92-136936/REB 92-01 PC **A02**/MF **A01**

Superfund Soils Data Management System.
PB92-139476/REB 92-01 PC **A02**/MF **A01**

Limited-Use Chemical Protective Clothing for EPA Superfund Activities.
PB92-143494/REB 92-01 PC **A03**/MF **A01**

Air/Superfund National Technical Guidance Study Series: Estimation of Air Impacts for Soil Vapor Extraction (SVE) Systems.
PB92-143676/REB 92-01 PC **A03**/MF **A01**

Quality and Environmental Protection: The EPA QA Program.
PB92-143791/REB 92-01 PC **A02**/MF **A01**

Control Technologies for Defunct lead Battery Recycling Sites: *Overview and Recent Developments. Volume 3.*
PB92-150416/REB 92-01 PC **A03**/MF **A01**

EPA SITE Demonstration of the BioTrol Soil Washing Process.
PB92-150655/REB 92-01 PC **A03**/MF **A01**

U.S. Environmental Protection Agency's SITE Emerging Technology Program: 1991 Update.
PB92-150663/REB 92-01 PC **A02**/MF **A01**

Developments in Chemical Treatment of Contaminated Soil.
PB92-152933/REB 92-01 PC **A03**/MF **A01**

PAST: The Potential ARARs Selection Tool.
PB92-152941/REB 92-01 PC **A02**/MF **A01**

Technology Evaluation Report: SITE Program Demonstration of the DuPont/Oberlin Microfiltration Technology.
PB92-153410/REB 92-01 PC **A06**/MF **A02**

Toxic Release Inventory (TRI). Documentation for the 1990 Magnetic Tape.
PB92-155381/REB 92-01 PC **A06**/MF **A02**

Application of a Water Quality Assessment Modeling System at a Superfund Site.
PB92-164490/REB 92-01 PC **A05**/MF **A01**

Personnel Protection through *Reconnaissance Robotics* at Superfund Remedial Sites.
PB92-166743/REB 92-01 PC **A02**/MF **A01**

Guide for Conducting Treatability Studies under CERCLA: Chemical Dehalogenation.
PB92-169044/REB 92-04 PC **A05**/MF **A01**

Chemical Dehalogenation Treatability Studies under CERCLA: An Overview.
PB92-169275/REB 92-04 PC **A02**/MF **A01**

Superfund Innovative Technology Evaluation Program Demonstration Plan for Westinghouse Bio-Analytic Systems Pentachlorophenol Immunoassays.
PB92-170190/REB 92-01 PC **A08**/MF **A02**

Guide for Conducting Treatability Studies under CERCLA: *Soil Washing. Interim Guidance.*
PB92-170570/REB 92-01 PC **A03**/MF **A01**

Guide for Conducting Treatability Studies under CERCLA: Soil Washing: *Quick Reference Fact Sheet.*
PB92-170588/REB 92-01 PC **A02**/MF **A01**

Air/Superfund National Technical Guidance Study Series. Guideline for Predictive Baseline Emissions Estimation Procedures for Superfund Sites.
PB92-171909/REB 92-01 PC **A03**/MF **A01**

Air Superfund National Technical Guidance Study Series. Screening Procedures for Estimating the Air Impacts of Incineration at Superfund Sites.
PB92-171917/REB 92-01 PC **A04**/MF **A01**

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Air Superfund National Technical Guidance Study Series. Estimation of Air Impacts for the Excavation of Contaminated Soil.
PB92-171925/REB 92-01 PC **A04**/MF **A01**

Innovative Treatment Technologies: Semi-Annual Status Report. (Third Edition).
PB92-173210/REB 92-01 PC **A05**/MF **A01**

Pilot-Scale Incineration of PCB-Contaminated Sediments from the New Bedford Harbor Hot Spot Superfund Site.
PB92-178953/REB 92-01 PC **A09**/MF **A03**

Innovative Treatment Technologies: Overview and Guide to Information Sources.
PB92-179001/REB 92-01 PC **A20**/MF **A04**

Chemical Oxidation Treatment. Engineering Bulletin.
PB92-180066/REB 92-01 PC **A02**/MF **A01**

Chemical Enhancements to Pump-and-Treat Remediation. Ground Water Issue.
PB92-180074/REB 92-01 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 1): Western Sand and Gravel, RI. (Second Remedial Action), September 1985.
PB92-183284/REB 92-04 PC **A04**/MF **A01**

Technical Support Services for Superfund Site Remediation and RCRA Corrective Action. Third Edition.
PB92-205657/REB 92-04 PC **A04**/MF **A01**

Technology Evaluation Report: SITE Program Demonstration Test Horsehead Resource Development Company, Inc., Flame Reactor Technology, Monaca, Pennsylvania.
PB92-205855/REB 92-04 PC **A07**/MF **A02**

Long-Path FTIR Measurements of Volatile Organic Compounds in an Industrial Setting (July 1989-April 1991).
PB92-206424/REB 92-04 PC **A02**/MF **A01**

Application of Tradescantia Micronucleus Assay for In situ Evaluation of Potential Genetic Hazards from Exposure to Chemicals at a Wood-Preserving Site.
PB92-217231/REB 92-04 PC **A02**/MF **A01**

Development of Emerging Technologies within the SITE Program.
PB92-217322/REB 92-04 PC **A03**/MF **A01**

AWD Technologies Integrated AquaDetox (Trade Name)/SVE Technology: Applications Analysis Report.
PB92-218379/REB 92-04 PC **A04**/MF **A01**

Technology Demonstration Summary, DuPont/Oberlin Microfiltration System, Palmerton, Pennsylvania. April-May 1992.
PB92-224351/REB 92-04 PC **A02**/MF **A01**

Guide for Conducting Treatability Studies under CERCLA: *Aerobic Biodegradation Remedy Screening. Quick Reference* Fact Sheet.
PB92-224377/REB 92-04 PC **A02**/MF **A01**

Guidance on Site Assessment Cooperative Agreements.
PB92-224385/REB 92-04 PC **A03**/MF **A01**

Technology Demonstration Summary: Bio Trol Soil Washing System for Treatment of a Wood Preserving Site.
PB92-224393/REB 92-04 PC **A02**/MF **A01**

Guide for Conducting Treatability Studies under CERCLA: Soil Vapor Extraction. Quick Reference Fact Sheet.
PB92-224401/REB 92-04 PC **A02**/MF **A01**

Ground-Water Issue: The Effects of Well Casing Material on Ground Water-Quality.
PB92-224724/REB 92-04 PC **A03**/MF **A01**

Technology Evaluation Report: Site Program Demonstration of a Trial Excavation at the McColl Superfund Site.
PB92-226448/REB 92-04 PC **A10**/MF **A03**

Technology Evaluation Report: Ogden Circulating Bed Combustor at the McColl Superfund Site.
PB92-227289/REB 92-04 PC **A04**/MF **A01**

Pilot-Scale Incineration of PCB-Contaminated Sediments from the Hot Spot of the New Bedford Harbor Superfund Site.
PB92-227321/REB 92-04 PC **A02**/MF **A01**

Control Technologies for Remediation of Contaminated Soil and Waste Deposits at Superfund Lead Battery Recycling Sites.
PB92-227388/REB 92-04 PC **A03**/MF **A01**

Chemical Dehalogenation Treatability Studies under CERCLA: An Overview.
PB92-231299/REB 92-04 PC **A02**/MF **A01**

Guide for Conducting Treatability Studies under CERCLA: Chemical Dehalogenation. Final Report.
PB92-231307/REB 92-04 PC **A05**/MF **A01**

Procuring Innovative Technologies at Remedial Sites: Q's and A's and *Case Studies.*
PB92-232388/REB 92-04 PC **A03**/MF **A01**

Citizen's Guide to In situ Soil Flushing.
PB92-233113/REB 92-04 PC **A02**/MF **A01**

Superfund Innovative Technology Evaluation Program: *Spring Update to the Technology Profiles. Fourth Edition.*
PB92-233121/REB 92-04 PC **A03**/MF **A01**

Handbook of RCRA Ground-Water Monitoring Constituents: Chemical and Physical Properties (40 CFR Part 264, Appendix 9).
PB92-233287/REB 92-04 PC **A13**/MF **A03**

Citizen's Guide to Innovative Treatment Technologies for Contaminated Soils, Sludges, Sediments and Debris.
PB92-235563/REB 92-04 PC **A02**/MF **A01**

Citizen's Guide to Bioventing.
PB92-235571/REB 92-04 PC **A01**/MF **A01**

Citizen's Guide to Using Indigenous and Exogenous Microorganisms in Bioremediation.
PB92-235589/REB 92-04 PC **A01**/MF **A01**

Citizen's Guide to Air Sparging.
PB92-235597/REB 92-04 PC **A01**/MF **A01**

Evaluation of Soil Venting Application. Ground Water Issue.
PB92-235605/REB 92-04 PC **A02**/MF **A01**

Rotating Biological Contactors. Engineering Bulletin.
PB92-235936/REB 92-04 PC **A02**/MF **A01**

Guide for Conducting *Treatability Studies under CERCLA* Solvent Extraction. Interim Guidance.
PB92-239581/REB 92-04 PC **A03**/MF **A01**

Guide for Conducting Treatability Studies under CERCLA: Solvent Extraction Quick Reference Fact Sheet.
PB92-239599/REB 92-04 PC **A02**/MF **A01**

PA-Score (Preliminary Assessment Score), Version 1.0 (for Microcomputers).
PB92-500032/REB 92-01 CP **D02**

Toxic Release Inventory (TRI), 1990.
PB92-501816/REB 92-01 CP **T14**

Preliminary Ranking Evaluation Score (PREscore) Version 1.1 (for Microcomputers).
PB92-503507/REB 92-04 CP **D02**

RCRA, Superfund Monthly Hot Line Reports.
PB92-922400/REB 92-01 Subscription$96.00

Superfund: Program Policies and Administration.
PB92-963200/REB 92-01 Standing Order

Implementation of the Superfund Alternative Remedial Contracting Strategy (ARCS): Report of the Administrator's Task Force. Implementation Plan.
PB92-963201/REB 92-01 PC **A03**/MF **A01**

OSWER Superfund Telephone Directory, October 1991.
PB92-963202/REB 92-01 PC **A03**/MF **A01**

National Priorities List Sites: Connecticut.
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National Priorities List Sites: Maine.
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National Priorities List Sites: Alaska.
PB92-963251/REB 92-01 PC **A04**/MF **A01**

Superfund: Focusing on the Nation at Large. 1991 Update.
PB92-963252/REB 92-01 PC **A05**/MF **A01**

National Priorities List Sites Set (1991).
PB92-963253/REB 92-01 PC **E99**/MF **E99**

Superfund: Reporting on Cleanup Activities through Environmental Indicators. FY 1991 Update.
PB92-963255/REB 92-01 PC **A03**/MF **A01**

Progress Toward Implementing Superfund, Fiscal Year 1990: A Report to the Congress.
PB92-963256/REB 92-01 PC **E05**/MF **A04**

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PB92-963261/REB 92-01 PC **A15**/MF **A03**

Superfund Policy Forum Update, Volume 1, Number 1, *February* 1992.
PB92-963262/REB 92-01 PC **A02**/MF **A01**

Superfund Accelerated Cleanup Model (SACM).
PB92-963263/REB 92-01 PC **A03**/MF **A01**

OSWER Superfund Telephone Directory, May 1992.
PB92-963264/REB 92-01 PC **E02**

Superfund Progress, Spring 1992.
PB92-963265/REB 92-01 PC **A03**/MF **A01**

Correction of FY-92 Superfund Program Management Manual Definitions.
PB92-963266/REB 92-01 PC **A01**/MF **A01**

Superfund Progress - Aficionado's Version (Progress as of March 31, 1992).
PB92-963267/REB 92-01 PC **A03**/MF **A01**

Smart Moves in Superfund - Regional Initiatives. Volume 1, Number 1, February 1992.
PB92-963272/REB 92-04 PC **A01**/MF **A01**

Regional Pilots and Applications of Superfund Accelerated Cleanup Model (SACM).
PB92-963273/REB 92-04 PC **A01**/MF **A01**

Contracting and Subcontracting Guide to the Superfund Program.
PB92-963274/REB 92-04 PC **Free**

Superfund Program Implementation Manual, Fiscal Year 1993. Volumes 1 and 2.
PB92-963276/REB 92-04 PC **A18**/MF **A04**

Identification of a Senior Superfund Official for Addressing Special NPL Site-Related Issues.
PB92-963277/REB 92-04 PC **A01**/MF **A01**

Superfund Progress, Summer 1992.
PB92-963279/REB 92-04 PC **A03**/MF **A01**

Superfund: Site Assessment and Remediation.
PB92-963300/REB 92-01 Standing Order

PA-Score Software, Version 1.0. Users Manual and Tutorial.
PB92-963302/REB 92-01 PC **A04**/MF **A01**

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PB92-963311/REB 92-01 PC **A05**/MF **A01**

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PB92-963313/REB 92-01 PC **A05**/MF **A01**

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PB92-963314/REB 92-01 PC **A05**/MF **A01**

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CERCLIS Characterization Project: Region 3 Results.
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CERCLIS Characterization Project: Region 4 Results.
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CERCLIS Characterization Project: Region 5 Results.
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CERCLIS Characterization Project: Region 6 Results.
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CERCLIS Characterization Project: Region 7 Results.
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CERCLIS Characterization Project: Region 8 Results.
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CERCLIS Characterization Project: Region 9 Results.
PB92-963324/REB 92-01 PC **A05**/MF **A01**

CERCLIS Characterization Project: Region 10 Results.
PB92-963325/REB 92-01 PC **A05**/MF **A01**

Revised Hazard Ranking System: Evaluating Sites After Waste Removals.
PB92-963326/REB 92-01 PC **A03**/MF **A01**

Revision of Policy Regarding Superfund Project Assignment between Alternative Remedial Contracting Strategy Contractors and the U.S. Army Corps of Engineers.
PB92-963327/REB 92-01 PC **A01**/MF **A01**

Audits and the Superfund Program Manager.
PB92-963328/REB 92-01 PC **A01**/MF **A01**

State and Local Involvement in the Superfund Program.
PB92-963329/REB 92-01 PC **A01**/MF **A01**

Political Subdivision Involvement in Superfund.
PB92-963330/REB 92-01 PC **A01**/MF **A01**

Debarment and Suspension.
PB92-963331/REB 92-01 PC **A01**/MF **A01**

Administrative Guidance for the FIT to ARCS (FIT/ARCS) Transition.
PB92-963332/REB 92-01 PC **A06**/MF **A02**

Risk Assessment Guidance for Superfund. Volume 1. Human Health Evaluation Manual (Part B, Development of Risk-Based Preliminary Remediation Goals).
PB92-963333/REB 92-01 PC **A04**/MF **A01**

Risk Assessment Guidance for Superfund. Volume 1. Human Health Evaluation Manual (Part C, Risk Evaluation of Remedial Alternatives).
PB92-963334/REB 92-01 PC **A05**/MF **A01**

ECO Update: Ecological Assessment of Superfund Sites. An Overview. Volume 1, Number 2, December 1991.
PB92-963335/REB 92-01 PC **A02**/MF **A01**

Homeowners Exempted from Superfund Cleanup Costs: National Policy Overview.
PB92-963336/REB 92-01 PC **A01**/MF **A01**

ECO Update: The Role of BTAGs in Ecological Assessment. Volume 1, Number 1, September 1991.
PB92-963337/REB 92-01 PC **A02**/MF **A01**

Estimating Potential for Occurrence of DNAPL at Superfund Sites.
PB92-963338/REB 92-01 PC **A03**/MF **A01**

Risk Assessment Guidance for Superfund. Volume 1. Human Health Evaluation Manual (Part B).
PB92-963339/REB 92-01 PC **A02**/MF **A01**

Risk Assessment Guidance for Superfund. Volume 1. Human Health Evaluation Manual (Part C).
PB92-963340/REB 92-01 PC **A02**/MF **A01**

Community Relations in Superfund: A Handbook.
PB92-963341/REB 92-01 PC **A12**/MF **A03**

Accessing the $50 Million Set-Aside in the Remedial *Action Budget for Quick Response at National Priorities* List Sites.
PB92-963342/REB 92-01 PC **A01**/MF **A01**

Authorization for Regional Administrators to Approve Consistency Exemptions at NPL Sites.
PB92-963343/REB 92-01 PC **A01**/MF **A01**

Update No. 2 to 'Procedures for Completion and Deletion of NPL Sites'.
PB92-963344/REB 92-01 PC **A01**/MF **A01**

Guide to Principal Threat and Low Level Threat Wastes.
PB92-963345/REB 92-01 PC **A01**/MF **A01**

OPA Q's and A's: Overview of the Oil Pollution Act of 1990.
PB92-963348/REB 92-01 PC **A02**/MF **A01**

PREscore Software. Users Manual and Tutorial. Version 1.0.
PB92-963349/REB 92-01 PC **A05**/MF **A01**

Presentations EPA-State Soil Standards Conference. Held in Crystal City, Virginia on January 29, 1991.
PB92-963350/REB 92-01 PC **A08**/MF **A02**

Summary of Treatment Technology Effectiveness for Contaminated Soil.
PB92-963351/REB 92-01 PC **A23**/MF **A04**

Regional Quality Control Guidance for NPL Candidate Sites.
PB92-963352/REB 92-01 PC **A04**/MF **A01**

Guide to Management of Investigation-Derived Wastes.
PB92-963353/REB 92-01 PC **A02**/MF **A01**

Characterization Protocol for Radioactive Contaminated Soils.
PB92-963354/REB 92-01 PC **A02**/MF **A01**

Guidance for Data Useability in Risk Assessment (Part A).
PB92-963356/REB 92-04 PC **A13**/MF **A03**

Considerations in Ground-Water Remediation at Superfund Sites and RCRA Facilities: Update.
PB92-963358/REB 92-01 PC **A03**/MF **A01**

ROD Annual Report, FY1991. Volume 1.
PB92-963359/REB 92-01 PC **A99**/MF **A06**

ROD Annual Report, FY1991. Volume 2.
PB92-963360/REB 92-01 PC **A18**/MF **A04**

Superfund Accelerated Cleanup Bulletin: Presumptive Remedies for Wood Treatment Facilities. Volume 1, Number 2, May 1992.
PB92-963361/REB 92-04 PC **A01**/MF **A01**

Guidance for Data Useability in Risk Assessment.
PB92-963363/REB 92-04 PC **A02**/MF **A01**

Remedial Action Report: Documentation for Operable Unit Completion.
PB92-963364/REB 92-04 PC **A01**/MF **A01**

Superfund Accelerated Cleanup Bulletin. Volume 1, Number 1. Presumptive Remedies for Municipal Landfill Sites.
PB92-963367/REB 92-04 PC **A01**/MF **A01**

FY 1992 Themes for Regional Coordination to Support *Continuous Improvements of Superfund's Remedial Pro*gram.
PB92-963368/REB 92-04 PC **A02**/MF **A01**

ECO Update. Volume 1, Number 3. The Role of Natural Resource Trustees in the Superfund Process.
PB92-963369/REB 92-04 PC **A03**/MF **A01**

ECO Update. Volume 1, Number 4. Developing a Work Scope for Ecological Assessments.
PB92-963370/REB 92-04 PC **A03**/MF **A01**

Superfund Accelerated Cleanup Bulletin. Volume 1, Number 3. Presumptive Remedies.
PB92-963371/REB 92-04 PC **A01**/MF **A01**

Understanding Superfund Risk Assessment.
PB92-963372/REB 92-04 PC **A02**/MF **A01**

Supplemental Guidance to RAGS: Calculating the Concentration Term. Volume 1, Number 1, May 1992.
PB92-963373/REB 92-04 PC **A02**/MF **A01**

Superfund: Removals and Emergency Response.
PB92-963400/REB 92-01 Standing Order

Superfund Removal Procedures: Guidance on the Consideration of ARARS during Removal Actions.
PB92-963401/REB 92-01 PC **A03**/MF **A01**

CERCLA Reporting Requirements for Releases of Ethylene Glycol from Airplane De-Icing Operations.
PB92-963402/REB 92-01 PC **A02**/MF **A01**

Superfund Emergency Response Actions: A Summary of Federally-Funded Removals. Fifth Annual Report - Fiscal Year 1990.
PB92-963403/REB 92-01 PC **A08**/MF **A02**

Compendium of ERT Field Analytical Procedures.
PB92-963405/REB 92-04 PC **A05**/MF **A01**

Compendium of ERT Air Sampling Procedures.
PB92-963406/REB 92-04 PC **A07**/MF **A02**

Technical Assistance Team (TAT) Contracts Users' Manual.
PB92-963407/REB 92-01 PC **A09**/MF **A02**

Removal Program Representative Sampling Guidance. Volume 1. Soil.
PB92-963408/REB 92-01 PC **A04**/MF **A01**

Superfund Removal Procedures: Removal Enforcement Guidance for On-Scene Coordinators.
PB92-963409/REB 92-04 PC **A03**/MF **A01**

CERCLA Notifications: Emergency Response Notification System (ERNS) Fact Sheet.
PB92-963411/REB 92-04 PC **A01**/MF **A01**

Overview of ERNS: Emergency Response Notification System (ERNS) Fact Sheet.
PB92-963412/REB 92-04 PC **A01**/MF **A01**

Oil Notifications: Emergency Response Notification System (ERNS) Fact Sheet.
PB92-963413/REB 92-04 PC **A01**/MF **A01**

Standard Operating Safety Guides.
PB92-963414/REB 92-04 PC **A09**/MF **A03**

Superfund Removal Procedures: Public Participation Guidance for On-Scene Coordinators: Community Relations and the Administrative Record.
PB92-963416/REB 92-04 PC **A03**/MF **A01**

Analysis of State Superfund Programs: 50-State Study. 1991 Update.
PB92-963418/REB 92-04 PC **A12**/MF **A03**

Guide to Removal Enforcement.
PB92-963419/REB 92-04 PC **A01**/MF **A01**

Notification Requirements for Continuous Releases of Hazardous Substances.
PB92-963422/REB 92-04 PC **A02**/MF **A01**

Superfund: Technology and Analytical Services.
PB92-963500/REB 92-01 *Standing Order*

Superfund: Enforcement.
PB92-963600/REB 92-01 Standing Order

Overview of the Off-Site Policy for OSCs and RPMs.
PB92-963603/REB 92-01 PC **A01**/MF **A01**

Guidance on Preparing Waste-in Lists and Volumetric Rankings for Release to Potentially Responsible Parties (PRPs) under CERCLA.
PB92-963606/REB 92-01 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 1): Western Sand and Gravel Site, Burrillville and North Smithfield, RI. (Third Remedial Action), April 1991.
PB92-963701/REB 92-01 PC **A11**/MF **A03**

Superfund Record of Decision (EPA Region 1): Dover Municipal Landfill, Dover, NH. (First Remedial Action), September 1991.
PB92-963702/REB 92-01 PC **A13**/MF **A03**

Superfund Record of Decision (EPA Region 1): Union Chemical, South Hope, ME. (First Remedial Action), December 1990.
PB92-963703/REB 92-01 PC **A13**/MF **A03**

Superfund Record of Decision (EPA Region 1): Nyanza Chemical Waste Dump, Operable Unit 2, Ashland, MA. (Second Remedial Action), September 1991.
PB92-963704/REB 92-01 PC **A09**/MF **A02**

Superfund Record of Decision (EPA Region 1): Mottolo Pig Farm, Raymond, NH. (First Remedial Action), March 1991.
PB92-963705/REB 92-01 PC **A08**/MF **A02**

Superfund Record of Decision (EPA Region 1): Savage Municipal Water Supply, Milford, NH. (First Remedial Action), September 1991.
PB92-963706/REB 92-04 PC **A14**/MF **A03**

Superfund Record of Decision (EPA Region 1): Iron Horse Park, Billerica, MA. (Second Remedial Action), June 1991.
PB92-963707/REB 92-04 PC **A12**/MF **A03**

Superfund Record of Decision (EPA Region 1): Sullivan's Ledge Superfund Site, Middle Marsh Operable Unit, New Bedford, MA. (First Remedial Action), September 1991.
PB92-963708/REB 92-04 PC **A13**/MF **A03**

Superfund Record of Decision (EPA Region 1): Silresim Chemical, MA. (First Remedial Action), September 1991.
PB92-963709/REB 92-04 PC **A13**/MF **A03**

Superfund Record of Decision (EPA Region 1): Groveland Wells, Operable Unit 1, Groveland, MA. (Second Remedial Action), September 1991.
PB92-963710/REB 92-04 PC **A11**/MF **A03**

Superfund Record of Decision (EPA Region 2): C and J Disposal Site, Town of Eaton, Madison County, NY. (First Remedial Action), March 1991.
PB92-963801/REB 92-01 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 2): Endicott Village Wellfield, Broome County, Endicott, NY. (Second Remedial Action), March 1991.
PB92-963802/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 2): Genzale Plating Company, Franklin Square, Nassau County, NY. (First Remedial Action), March 1991.
PB92-963803/REB 92-01 PC **A05**/MF **A01**

Superfund Record of Decision (EPA Region 2): Global Landfill, Middlesex County, NJ. (First Remedial Action), October 1991.
PB92-963804/REB 92-01 PC **A08**/MF **A02**

Superfund Record of Decision (EPA Region 2): Love Canal (93rd Street School), Niagara County, City of Niagara Falls, NY. (Third Remedial Action), (Amendment), May 1991.
PB92-963805/REB 92-01 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 2): Naval Air Engineering Center (Operable Unit 3), Lakehurst, NJ. (Fourth Remedial Action), September 1991.
PB92-963806/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 2): Mattiace Petrochemicals Co., Inc., Nassau County, Glen Cove, NY. (Second Remedial Action), June 1991.
PB92-963807/REB 92-04 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 2): Naval Air Engineering Center (Operable Unit 1), Lakehurst, NJ. (First Remedial Action), February 1991.
PB92-963808/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 2): Asbestos Dump, New Vernon Road and White Bridge Road Sites, Passaic Township, Meyersville, NJ. (Second Remedial Action), September 1991.
PB92-963809/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 2): Naval Air Engineering Center, (Operable Unit 2), Lakehurst, NJ. (Second Remedial Action), February 1991.
PB92-963810/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 2): Chemsol, Inc., Piscataway, Middlesex County, NJ. (First Remedial Action), September 1991.
PB92-963811/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 2): Hooker Chemical S-Area, Niagara Falls, NY. (First Remedial Action), September 1990.
PB92-963812/REB 92-04 PC **A15**/MF **A03**

Superfund Record of Decision (EPA Region 2): NL Industries, Salem County, Pedricktown, NJ. (First Remedial Action), September 1991.
PB92-963813/REB 92-04 PC **A07**/MF **A02**

Superfund Record of Decision: Roebling Steel Company, Florence Township, Burlington County, NJ. (Second Remedial Action), September 1991.
PB92-963814/REB 92-04 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 2): Waldick Aerospace Devices, Wall Township, Monmouth County, NJ. (Second Remedial Action), March 1991.
PB92-963815/REB 92-04 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 2): Upper Deerfield Township Sanitary Landfill, Upper Deerfield Township, Cumberland County, NJ. (First Remedial Action), September 1991.
PB92-963816/REB 92-04 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 2): Nascolite Corporation, Doris Avenue, Cities of Millville and Vineland, Cumberland County, NJ. (Second Remedial Action), June 1991.
PB92-963817/REB 92-04 PC **A07**/MF **A02**

Superfund Record of Decision (EPA Region 2): General Motors/Central Foundry Division Site, St. Lawrence County, Massena, NY. (First Remedial Action), December 1990.
PB92-963818/REB 92-04 PC **A10**/MF **A03**

Superfund Record of Decision (EPA Region 2): Frontera Creek Site, Humacao, Puerto Rico (First Remedial Action), September 1991.
PB92-963819/REB 92-04 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 2): Fort Dix Landfill, Fort Dix Military Reservation, Pemberton Township, Burlington County, NJ. (First Remedial Action), September 1991.
PB92-963820/REB 92-04 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 2): Hertel Landfill, Town of Plattekill, Ulster County, NY. (First Remedial Action), September 1991.
PB92-963821/REB 92-04 PC **A05**/MF **A01**

Superfund Record of Decision (EPA Region 2): Colesville Municipal Landfill Site, Town of Colesville, Broome County, NY. (First Remedial Action), March 1991.
PB92-963822/REB 92-04 PC **A12**/MF **A03**

Superfund Record of Decision (EPA Region 2): Applied Environmental Services Site, Glenwood Landing, Nassau County, NY. (First Remedial Action), June 1991.
PB92-963823/REB 92-04 PC **A05**/MF **A01**

Superfund Record of Decision (EPA Region 2): Conklin Dumps, Broome County, Conklin, NY. (First Remedial Action), March 1991.
PB92-963824/REB 92-04 PC **A07**/MF **A02**

Superfund Record of Decision (EPA Region 2): Curcio Scrap Metal, Bergen County, Saddle Brook, NJ. (First Remedial Action), June 1991.
PB92-963825/REB 92-04 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 2): Warwick Landfill, Town of Warwick, Orange County, NY. (First Remedial Action), June 1991.
PB92-963826/REB 92-04 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 2): Sinclair Refinery, Allegany County, Wellsville, NY. (Second Remedial Action), September 1991.
PB92-963827/REB 92-04 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 2): Fibers Public Supply Wells, Guayama, PR. (First Remedial Action), September 1991.
PB92-963828/REB 92-04 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 2): White Chemical Corporation, Essex County, Newark, NJ. (First Remedial Action), September 1991.
PB92-963829/REB 92-04 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 2): Circuitron Corporation, East Farmingdale, Suffolk County, NY. (First Remedial Action), March 1991.
PB92-963830/REB 92-04 PC **A05**/MF **A01**

Superfund Record of Decision (EPA Region 2): Juncos Landfill, Juncos, PR. (First Remedial Action), September 1991.
PB92-963831/REB 92-04 PC **A05**/MF **A02**

Superfund Record of Decision (EPA Region 2): Naval Air Engineering Center, (Operable Unit 4), Lakehurst, NJ. (Third Remedial Action), September 1991.
PB92-963832/REB 92-04 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 2): Swope Oil and Chemical Company, Pennsauken Township, Camden County, NJ. (Second Remedial Action), September 1991.
PB92-963833/REB 92-04 PC **A07**/MF **A02**

Superfund Record of Decision (EPA Region 2): Garden State Cleaners, Buena Borough, Atlantic County, NJ. (First Remedial Action), September 1991.
PB92-963834/REB 92-04 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 3): Mid-Atlantic Wood Preservers, Harmans, Anne Arundel County, MD. (First Remedial Action), December 1990.
PB92-963901/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 3): Publicker/Cuyahoga Wrecking Plant, PA. (Second Remedial Action), June 1991.
PB92-963902/REB 92-01 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 3): Resin Disposal, Jefferson Borough, Allegheny County, PA. (First Remedial Action), June 1991.
PB92-963903/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 3): Middletown Air Field Site, Middletown, PA. (Second Remedial Action), December 1990.
PB92-963904/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 3): Hellertown Manufacturing Company, Hellertown Borough, Northampton County, PA. (First Remedial Action), September 1991.
PB92-963905/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 3): Hebelka Auto Salvage Yard, Weisenber Township, Lehigh County, PA. (Second Remedial Action), September 1991.
PB92-963906/REB 92-01 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 3): Dorney Road Landfill Site, Upper Macungie Township, Lehigh County, PA. (Second Remedial Action), September 1991.
PB92-963907/REB 92-01 PC **A05**/MF **A01**

Superfund Record of Decision (EPA Region 3): Cryo-Chem Site, Earl Township, Berks County, PA. (Third Remedial Action), September 1991.
PB92-963908/REB 92-01 PC **A05**/MF **A01**

Superfund Record of Decision (EPA Region 3): USA Aberdeen, Michaelsville, MD. (First Remedial Action), September 1991.
PB92-963909/REB 92-01 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 3): USA Letterkenny - PDO, Chambersburg, PA. (First Remedial Action), August 1991.
PB92-963910/REB 92-01 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 3): USA Letterkenny - Southeastern Area, Chambersburg, PA. (First Remedial Action), August 1991.
PB92-963911/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 3): Whitmoyer Laboratories (Operable Unit 2), Lebanon County, PA. (Second Remedial Action), December 1990.
PB92-963912/REB 92-01 PC **A05**/MF **A01**

Superfund Record of Decision (EPA Region 3): Strasburg Landfill, Newlin Township, Chester County, PA. (Second Remedial Action), June 1991.
PB92-963913/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 3): Halby Chemical, Wilmington, New Castle County, DE. (First Remedial Action), June 1991.
PB92-963914/REB 92-01 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 3): Brodhead Creek, Stroudsburg, PA. (First Remedial Action), March 1991.
PB92-963915/REB 92-01 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 3): USA Aberdeen Proving Ground, Edgewood, MD. (First Remedial Action), September 1991.
PB92-963916/REB 92-01 PC **A05**/MF **A01**

Superfund Record of Decision (EPA Region 3): Heleva Landfill Site, Lehigh County, PA. (First Remedial Action), (Amendment), September 1991.
PB92-963917/REB 92-01 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 3): Industrial Drive Operable Unit 2, Williams Township, PA. (Second Remedial Action), March 1991.
PB92-963918/REB 92-01 PC **A05**/MF **A01**

Superfund Record of Decision (EPA Region 3): NCR Corporation (Millsboro Plant), Sussex County, Millsboro, DE. (First Remedial Action), August 1991.
PB92-963919/REB 92-01 PC **A05**/MF **A01**

Superfund Record of Decision (EPA Region 3): AVCO Lycoming-Williamsport Division, Lycoming County, Williamsport, PA. (First Remedial Action), June 1991.
PB92-963920/REB 92-01 PC **A05**/MF **A01**

Superfund Record of Decision (EPA Region 3): William Dick Lagoons, West Caln Township, Chester County, PA. (First Remedial Action), June 1991.
PB92-963921/REB 92-04 PC **A07**/MF **A02**

Superfund Record of Decision (EPA Region 3): Havertown PCP (Pentachlorophenol), Haverford Township, Delaware County, PA. (Second Remedial Action), September 1991.
PB92-963922/REB 92-04 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 3): Sealand Limited Site, Mt. Pleasant, DE. (First Remedial Action), September 1991.
PB92-963923/REB 92-04 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 3): First Piedmont Rock Quarry/Route 719 Site, Danville, VA. (First Remedial Action), June 1991.
PB92-963924/REB 92-04 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 3): Arrowhead Associates/Scovill, Montross, VA. (First Remedial Action), September 1991.
PB92-963925/REB 92-04 PC **A05**/MF **A01**

Superfund Record of Decision (EPA Region 3): Whitmoyer Laboratories (Operable Unit 3), Lebanon County, PA. (Third Remedial Action), December 1990.
PB92-963926/REB 92-04 PC **A05**/MF **A01**

Superfund Record of Decision (EPA Region 3): Saunders Supply Company, Chuckatuck, VA. (First Remedial Action), September 1991.
PB92-963927/REB 92-04 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 3): Old City of York Landfill, Springfield Township, York County, PA. (First Remedial Action), September 1991.
PB92-963928/REB 92-04 PC **A05**/MF **A01**

Superfund Record of Decision (EPA Region 3): Dixie Caverns County Landfill, Roanoke County, VA. (First Remedial Action), September 1991.
PB92-963929/REB 92-04 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 3): Greenwood Chemical Site, Operable Unit 2, Newtown, VA. (Second Remedial Action), December 1990.
PB92-963930/REB 92-04 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 3): Modern Sanitation Landfill, Windsor and Lower Windsor Townships, York County, PA. (First Remedial Action), June 1991.
PB92-963931/REB 92-04 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 3): McAdoo Associates, (Operable Unit 2), Schuylkill County, PA. (Third Remedial Action), September 1991.
PB92-963932/REB 92-04 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 3): Eastern Diversified Metals, Schuylkill County, PA. (First Remedial Action), March 1991.
PB92-963933/REB 92-04 PC **A05**/MF **A01**

Superfund Record of Decision (EPA Region 4): Hercules 009 Landfill Site, Brunswick, Glynn County, GA. (First Remedial Action), June 1991.
PB92-964001/REB 92-01 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 4): USAF Robins Air Force Base, Warner Robins, Houston County, GA. (First Remedial Action), June 1991.
PB92-964002/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 4): Monsanto Superfund Site, Augusta, GA. (First Remedial Action), December 1990.
PB92-964003/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 4): Tri-City Industrial Disposal Site, Bullitt County, Brooks, KY. (First Remedial Action), August 1991.
PB92-964004/REB 92-01 PC **A14**/MF **A03**

Superfund Record of Decision (EPA Region 4): Aberdeen Pesticide Dumps, Moore County, Aberdeen, NC. (First Remedial Action), (Amendment), September 1991.
PB92-964005/REB 92-01 PC **A07**/MF **A02**

Superfund Record of Decision (EPA Region 4): Smith's Farm Site (First Operable Unit), Bullitt County, Brooks, KY. (First Remedial Action), (Amendment), September 1991.
PB92-964006/REB 92-01 PC **A10**/MF **A03**

Superfund Record of Decision (EPA Region 4): Petroleum Products Corporation Site, Operable Unit 1, Pembroke Park, Broward County, FL. (First Remedial Action), October 1990.
PB92-964007/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 4): Sangamo/Twelve-Mile Creek, Lake Hartwell PCB Contamination Site, Pickens, SC. (First Remedial Action), December 1990.
PB92-964008/REB 92-01 PC **A11**/MF **A03**

Superfund Record of Decision (EPA Region 4): Medley Farms, Cherokee County, Gaffney, SC. (First Remedial Action), May 1991.
PB92-964009/REB 92-01 PC **A09**/MF **A02**

Superfund Record of Decision (EPA Region 4): USA Anniston Army Depot, (Groundwater Operable Unit), Calhoun County, Anniston, AL. (First Remedial Action), September 1991.
PB92-964010/REB 92-01 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 4): Wrigley Charcoal Site, Hickman County, Wrigley, TN. (First Remedial Action), September 1991.
PB92-964011/REB 92-01 PC **A08**/MF **A02**

Superfund Record of Decision (EPA Region 4): Oak Ridge Reservation (USDOE), (Operable Unit 4), Roane County, Oak Ridge, TN. (Third Remedial Action), September 1991.
PB92-964012/REB 92-01 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 4): Oak Ridge Reservation (USDOE), (Operable Unit 2), Oak Ridge, TN. (First Remedial Action), June 1991.
PB92-964013/REB 92-01 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 4): Arlington Blending and Packaging, Shelby County, Arlington, TN. (First Remedial Action), June 1991.
PB92-964014/REB 92-04 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 4): Maxey Flats Nuclear Disposal Site, Fleming County, KY. (First Remedial Action), September 1991.
PB92-964015/REB 92-04 PC **A09**/MF **A03**

Superfund Record of Decision (EPA Region 4): Interstate Lead (ILCO), Jefferson County, Leeds, AL. (First Remedial Action), September 1991.
PB92-964016/REB 92-04 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 4): Carolina Transformer Site, Cumberland County, Fayetteville, NC. (First Remedial Action), August 1991.
PB92-964017/REB 92-04 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 4): Golden Strip Septic Tank, Greenville County, Simpsonville, SC. (First Remedial Action), September 1991.
PB92-964018/REB 92-04 PC **A14**/MF **A03**

Superfund Record of Decision (EPA Region 4): Sherwood Medical Industries, Volusia County, Deland, FL. (First Remedial Action), March 1991.
PB92-964019/REB 92-04 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 4): Velsicol Chemical, (First Operable Unit), Toone, TN. (First Remedial Action), June 1991.
PB92-964020/REB 92-04 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 4): Ciba-Geigy, Washington County, McIntosh, AL. (Second Remedial Action), September 1991.
PB92-964021/REB 92-04 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 4): Oak Ridge Reservation (USDOE), (Operable Unit 3), Anderson County, Oak Ridge, TN. (Second Remedial Action), September 1991.
PB92-964022/REB 92-04 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 4): Charles Macon Lagoon and Drum Storage, Richmond County, Cordova, NC. (First Remedial Action), September 1991.
PB92-964023/REB 92-04 PC **A07**/MF **A02**

Superfund Record of Decision (EPA Region 5): Acme Solvent Reclaiming, Winnebago County, IL. (Second Remedial Action), December 1990.
PB92-964101/REB 92-01 PC **A05**/MF **A02**

Superfund Record of Decision (EPA Region 5): Oak Grove Sanitary Landfill, Anoka County, MN. (Second Remedial Action), December 1990.
PB92-964102/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 5): Organic Chemicals, Grandville, MI. (First Remedial Action), September 1991.
PB92-964103/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 5): Novaco Industries, MI. (First Remedial Action), (Amendment), September 1991.
PB92-964104/REB 92-01 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 5): Rasmussen's Dump Site, Green Oak Township, Livingston County, MI. (First Remedial Action), March 1991.
PB92-964105/REB 92-01 PC **A09**/MF **A02**

Superfund Record of Decision (EPA Region 5): G and H Industrial Landfill Site, Macomb County, MI. (First Remedial Action), December 1990.
PB92-964106/REB 92-01 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 5): Main Street Well Field, Elkhart, IN. (Second Remedial Action), March 1991.
PB92-964107/REB 92-01 PC **A05**/MF **A01**

Superfund Record of Decision (EPA Region 5): Folkertsma Refuse Site, Walker, MI. (First Remedial Action), June 1991.
PB92-964108/REB 92-01 PC **A05**/MF **A01**

Superfund Record of Decision (EPA Region 5): Conrail Railyard, Elkhart County, IN. (First Remedial Action), June 1991.
PB92-964109/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 5): Verona Well Field Site, Battle Creek, MI. (Second Remedial Action), June 1991.
PB92-964110/REB 92-01 PC **A08**/MF **A02**

Superfund Record of Decision (EPA Region 5): Fadrowski Drum Disposal Site, Franklin, WI. (First Remedial Action), June 1991.
PB92-964111/REB 92-01 PC **A05**/MF **A01**

Superfund Record of Decision (EPA Region 5): Motor Wheel Disposal Site, Lansing, MI. (First Remedial Action), September 1991.
PB92-964112/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 5): Washington County Landfill, Lake Elmo, MN. (Second Remedial Action), November 1990.
PB92-964113/REB 92-01 PC **A05**/MF **A01**

Superfund Record of Decision (EPA Region 5): Anderson Development Company Site, Lenawee County, Adrian, MI. (First Remedial Action), (Amendment), September 1991.
PB92-964114/REB 92-01 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 5): Allied Chemical and Ironton Coke, Ironton, OH. (Second Remedial Action), December 1990.
PB92-964115/REB 92-01 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 5): Enviro-Chem (Northside Sanitary Landfill), Zionsville, IN. (First Remedial Action), (Amendment), June 1991.
PB92-964116/REB 92-01 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 5): Northside Sanitary Landfill (Enviro-Chem), Zionsville, IN. (First Remedial Action), (Amendment), June 1991.
PB92-964117/REB 92-01 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 5): Summit National Liquid Disposal Service, Deerfield, OH. (First Remedial Action), (Amendment), November 1990.
PB92-964118/REB 92-01 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 5): Pine Bend Sanitary Landfill, Dakota County, City of Inver Grove Heights, MN. (First Remedial Action), September 1991.
PB92-964119/REB 92-01 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 5): Pagel's Pit Site, Winnebago County, IL. (First Remedial Action), June 1991.
PB92-964120/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 5): MacGillis and Gibbs/Bell Lumber and Pole Co., New Brighton, MN. (First Remedial Action), September 1991.
PB92-964121/REB 92-01 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 5): Zanesville Well Field Site, Zanesville, OH. (First Remedial Action), September 1991.
PB92-964122/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 5): Buckeye Reclamation Landfill Site, Belmont County, OH. (First Remedial Action), August 1991.
PB92-964123/REB 92-04 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 5): Lemberger Transport and Recycling, Manitowoc County, WI. (First Remedial Action), September 1991.
PB92-964124/REB 92-04 PC **A05**/MF **A01**

Superfund Record of Decision (EPA Region 5): U.S. DOI Sangamo/Crab Orchard National Wildlife Refuge, Carterville, IL. (First Remedial Action), March 1990.
PB92-964125/REB 92-04 PC **A05**/MF **A02**

Superfund Record of Decision (EPA Region 5): Carter Industrials Site, Detroit, MI. (First Remedial Action), September 1991.
PB92-964126/REB 92-04 PC **A08**/MF **A02**

Superfund Record of Decision (EPA Region 5): Ossineke Groundwater Contamination Site, Alpena County, Ossineke, MI. (First Remedial Action), June 1991.
PB92-964127/REB 92-04 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 5): Stoughton City Landfill Site, Stoughton, WI. (First Remedial Action), September 1991.
PB92-964128/REB 92-04 PC **A04**/MF **A01**

Superfund Record of *Decision* (EPA Region 5): National Presto Industries, Eau Claire, WI. (Second Remedial Action), September 1991.
PB92-964129/REB 92-04 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 5): South Macomb Disposal No. 9 and 9A, Macomb County, MI. (First Remedial Action), August 1991.
PB92-964130/REB 92-04 PC **A05**/MF **A01**

Superfund Record of Decision (EPA Region 5): Fultz Landfill, Byesville, OH. (First Remedial Action), September 1991.
PB92-964131/REB 92-04 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 5): Berlin and Farro Site, Swartz Creek, MI. (First Remedial Action), September 1991.
PB92-964132/REB 92-04 PC **A04**/MF **A01**

Superfund Record of *Decision* (EPA Region 5): Lemberger Landfill Site, Manitowoc County, WI. (First Remedial Action), September 1991.
PB92-964133/REB 92-04 PC **A05**/MF **A01**

Superfund Record of Decision (EPA Region 5): Michigan Disposal Service (Cork Street) Landfill, Kalamazoo, MI. (First Remedial Action), September 1991.
PB92-964134/REB 92-04 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 5): Thermo Chem Site, (Operable Unit 1), Muskegon County, MI. (First Remedial Action), September 1991.
PB92-964135/REB 92-04 PC **A05**/MF **A01**

Superfund Record of Decision (EPA Region 5): Sturgis Municipal Wells, Sturgis, MI. (First Remedial Action), September 1991.
PB92-964136/REB 92-04 PC **A08**/MF **A02**

Superfund Record of Decision (EPA Region 5): Dakhue Sanitary Landfill, Hampton Township, Dakota County, MN. (First Remedial Action), June 1991.
PB92-964137/REB 92-04 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 5): Chem-Central Site, Wyoming, MI. (First Remedial Action), September 1991.
PB92-964138/REB 92-04 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 5): Better Brite Plating Chrome and Zinc, De Pere, WI. (First Remedial Action), June 1991.
PB92-964139/REB 92-04 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 5): Kentwood Landfill, Kentwood, MI. (First Remedial Action), March 1991.
PB92-964140/REB 92-04 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 5): Southeast Rockford Groundwater Contamination, Rockford, IL. (First Remedial Action), June 1991.
PB92-964141/REB 92-04 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 6): Cimarron Mining Site, Operable Unit 2, Carrizozo, NM. (Second Remedial Action), September 1991.
PB92-964201/REB 92-01 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 6): Petro-Chemical (Turtle Bayou), Liberty County, TX. (Second Remedial Action), September 1991.
PB92-964202/REB 92-01 PC **A07**/MF **A02**

Superfund Record of Decision (EPA Region 7): People's Natural Gas Coal Gasification Site, Dubuque, IA. (First Remedial Action), September 1991.
PB92-964301/REB 92-01 PC **A05**/MF **A01**

Superfund Record of Decision (EPA Region 7): Ellisville Area Site, St. Louis County, Ellisville, MO. (First Remedial Action), (Amendment), September 1991.
PB92-964302/REB 92-01 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 7): Hastings Groundwater Contamination (Operable Unit 10), Hastings, NE. (Seventh Remedial Action), September 1991.
PB92-964303/REB 92-01 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 7): Hastings Ground Water Contamination (Operable Unit 1), Hastings, NE. (Second Remedial Action), September 1991.
PB92-964304/REB 92-04 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 7): Kem-Pest Laboratories Site, Cape Girardeau County, MO. (Second Remedial Action), December 1990.
PB92-964305/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 7): E.I. Dupont De Nemours (County Road X23), Lee County, West Point, IA. (First Remedial Action), May 1991.
PB92-964306/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 7): Lee Chemical Site, Liberty, MO. (First Remedial Action), March 1991.
PB92-964307/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 7): John Deere (Ottumwa Works Landfill), Ottumwa, IA. (First Remedial Action), September 1991.
PB92-964308/REB 92-04 PC **A05**/MF **A01**

Superfund Record of Decision (EPA Region 7): Shaw Avenue Dump Site, Charles City, Floyd County, IA. (First Remedial Action), September 1991.
PB92-964309/REB 92-04 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 7): Mid-America Tanning Site, Sergeant Bluff, IA. (First Remedial Action), September 1991.
PB92-964310/REB 92-04 PC **A07**/MF **A02**

Superfund Record of *Decision* (EPA Region 7): Lehigh Portland Cement Company, Mason City, IA. (First Remedial Action), June 1991.
PB92-964311/REB 92-04 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 7): Ellisville Area Site, St. Louis County, Ellisville, MO. (Second Remedial Action), September 1991.
PB92-964312/REB 92-04 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 8): Hill Air Force Base, Operable Unit 2, Chemical Disposal Pit 3, Site WP07, Davis and Weber Counties, UT. (First Remedial Action), September 1991.
PB92-964401/REB 92-01 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 8): Broderick Wood Products, Adams County, CO. (First Remedial Action), (Amendment), September 1991.
PB92-964402/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 8): Rocky Mountain Arsenal (Operable Unit 26), CO. (Tenth Remedial Action), September 1991.
PB92-964403/REB 92-04 PC **A09**/MF **A02**

Superfund Record of Decision (EPA Region 8): Anaconda Smelter Site, (Operable Unit 11 - Flue Dust), Deer Lodge

County, Anaconda, MT. (Second Remedial Action), September 1991.
PB92-964404/REB 92-04 PC **A10**/MF **A03**

Superfund Record of Decision (EPA Region 8): Rocky Mountain Arsenal (Operable Unit 21), CO. (Ninth Remedial Action), June 1991.
PB92-964405/REB 92-04 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 8): Central City-Clear Creek Site, (Operable Unit 3), Clear Creek and Gilpin Counties, CO. (Third Remedial Action), September 1991.
PB92-964406/REB 92-04 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 8): Wasatch Chemical Site (Lot 6), Salt Lake City, UT. (First Remedial Action), March 1991.
PB92-964407/REB 92-04 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 8): Chemical Sales Site, (New Location), (Operable Unit 2), Adams County, CO. (Second Remedial Action), June 1991.
PB92-964408/REB 92-04 PC **A09**/MF **A03**

Superfund Record of Decision (EPA Region 8): Chemical Sales (New Location) (Operable Unit 1), Denver, CO. (First Remedial Action), June 1991.
PB92-964409/REB 92-04 PC **A09**/MF **A02**

Superfund Record of Decision (EPA Region 8): Chemical Sales, (New Location), (Operable Unit 3), Adams County, CO. (Third Remedial Action), June 1991.
PB92-964410/REB 92-04 PC **A09**/MF **A02**

Superfund Record of Decision (EPA Region 9): South Bay Asbestos Area, San Jose, CA. (First Remedial Action), (Amendment), June 1991.
PB92-964501/REB 92-01 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 9): National Semiconductor (Monolithic Memories), CA. (First Remedial Action), September 1991.
PB92-964502/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 9): Monolithic Memories (Advanced Micro Devices - Arques) (National Semiconductor), CA. (First Remedial Action), September 1991.
PB92-964503/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 9): Advanced Micro Devices 901, (Signetics), (TRW Microwave), Sunnyvale, CA. (First Remedial Action), September 1991.
PB92-964504/REB 92-04 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 9): Teledyne Semiconductor (Spectra Physics), Mountain View, CA. (First Remedial Action), March 1991.
PB92-964505/REB 92-01 PC **A05**/MF **A01**

Superfund Record of Decision (EPA Region 9): Van Waters and Rogers, San Jose, CA. (First Remedial Action), September 1991.
PB92-964506/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 9): Signetics (Advanced Micro Devices 901) (TRW Microwave), Sunnyvale, CA. (First Remedial Action), September 1991.
PB92-964507/REB 92-01 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 9): Castle Air Force Base, Merced County, CA. (First Remedial Action), August 1991.
PB92-964508/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 9): Indian Bend Wash Area (Operable Units 1, 4, 5, 6), AZ. (Second Remedial Action), September 1991.
PB92-964509/REB 92-01 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 9): Atlas Asbestos Mine, Fresno County, CA. (Second Remedial Action), February 1991.
PB92-964510/REB 92-01 PC **A07**/MF **A02**

Superfund Record of Decision (EPA Region 9): Micro Storage/Intel Magnetics, Santa Clara, CA. (First Remedial Action), August 1991.
PB92-964511/REB 92-04 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 9): FMC (Fresno Plant), Fresno, CA. (First Remedial Action), June 1991.
PB92-964512/REB 92-04 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 9): Synertek (Building No. 1), Santa Clara, CA. (First Remedial Action), June 1991.
PB92-964513/REB 92-04 PC **A07**/MF **A02**

Superfund Record of Decision (EPA Region 9): Mesa Area Ground Water Contamination, Mesa, AZ. (First Remedial Action), September 1991.
PB92-964514/REB 92-04 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 9): Sola Optical USA, Inc., Petaluma, CA. (First Remedial Action), September 1991.
PB92-964515/REB 92-04 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 9): CTS Printex Corporation, Mountain View, CA. (First Remedial Action), June 1991.
PB92-964516/REB 92-04 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 9): Valley Wood Preserving Site, Turlock, CA. (First Remedial Action), September 1991.
PB92-964517/REB 92-04 PC **A07**/MF **A02**

Superfund Record of Decision (EPA Region 9): TRW Microwave, (Advanced Micro Devices 901), (Signetics), Sunnyvale, CA. (First Remedial Action), September 1991.
PB92-964518/REB 92-04 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 9): Spectra-Physics, (Teledyne Semiconductor), Mountain View, CA. (First Remedial Action), March 1991.
PB92-964519/REB 92-04 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 9): Advanced Micro Devices 915, Sunnyvale, CA. (First Remedial Action), August 1991.
PB92-964520/REB 92-04 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 10): Bunker Hill Mining and Metallurgical Complex, Shoshone County, ID. (First Remedial Action), August 1991.
PB92-964601/REB 92-01 PC **A07**/MF **A02**

Superfund Record of Decision (EPA Region 10): Northwest Transformer-Mission Pole, Whatcom County, WA. (First Remedial Action), (Amendment), September 1991.
PB92-964602/REB 92-01 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 10): Bangor Naval Submarine Base, Site F (Operable Unit 2), Bangor, WA. (First Remedial Action), September 1991.
PB92-964603/REB 92-01 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 10): Commencement Bay-Nearshore/Tideflats (Operable Unit 7), Tacoma, WA. (Third Remedial Action), December 1990.
PB92-964604/REB 92-01 PC **A17**/MF **A04**

Superfund Record of Decision (EPA Region 10): American Lake Gardens (McChord AFB - Area D), Pierce County, WA. (First Remedial Action), September 1991.
PB92-964605/REB 92-04 PC **A05**/MF **A02**

Superfund Record of Decision (EPA Region 10): Union Pacific Railroad Yard, Bannock County, Pocatello, ID. (First Remedial Action), September 1991.
PB92-964606/REB 92-04 PC **A08**/MF **A02**

Superfund Record of Decision (EPA Region 10): Yakima Plating Facility, Yakima, WA. (First Remedial Action), September 1991.
PB92-964607/REB 92-04 PC **A05**/MF **A01**

Superfund: Record of Decision.
PB92-964700/REB 92-01 Standing Order

SUPERFUND ACCELERATED CLEANUP MODEL

Regional Pilots and Applications of Superfund Accelerated Cleanup Model (SACM).
PB92-963273/REB 92-04 PC **A01**/MF **A01**

SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986

Consolidated List of Chemicals Subject to Reporting under the Emergency Planning and Community Right-to-Know Act. (Title III of the Superfund Amendments and Reauthorization Act of 1986).
PB92-155399/REB 92-01 PC **A04**/MF **A01**

Consolidated List of Chemical Subject to Reporting under the Emergency Planning and Community Right to Know Act. SARA Section 302 Extremely Hazardous Substances, CERCL Hazardous Substances and SARA Section 313 Toxic Chemicals (Title III, List of Lists) (for Microcomputers).
PB92-501774/REB 92-01 CP **D02**

SUPERFUND INNOVATIVE TECHNOLOGY EVALUATION

Technology Evaluation Report: Babcock and Wilcox Cyclone Furnace Vitrification Technology. Volume 1.
PB92-222215/REB 92-04 PC **A06**/MF **A02**

Technology Evaluation Report: Babcock and Wilcox Cyclone Furnace Vitrification Technology. Volume 2.
PB92-222223/REB 92-04 PC **A15**/MF **A03**

Superfund Innovative Technology Evaluation (SITE): Demonstration Bulletin. Flame Reactor, Horsehead Resource Development Company, Inc.
PB92-235613/REB 92-04 PC **A01**/MF **A01**

SUPERFUND INNOVATIVE TECHNOLOGY EVALUATION PROGRAM

EPA SITE Demonstration of the Horsehead Resource Development Company Flame Reactor Technology.
PB92-139401/REB 92-01 PC **A02**/MF **A01**

Demonstration of Waste Treatment Technologies.
PB92-179670/REB 92-01 PC **A02**/MF **A01**

Horsehead Resource Development Company, Inc. Flame Reactor Technology: Applications Analysis Report.
PB92-213214/REB 92-04 PC **A04**/MF **A01**

Superfund Innovative Technology Evaluation Program: Technology Profiles, Fourth Edition.
PB92-224294/REB 92-04 PC **A10**/MF **A03**

Superfund Innovative Technology Evaluation Program: Progress and Accomplishments, Fiscal Year 1990. A Fourth Report to Congress.
PB92-224799/REB 92-04 PC **A05**/MF **A01**

SUPERFUND INNOVATIVE TECHNOLOGY EVALUATION PROGRAM (SITE)

Superfund Innovative Technology Evaluation Program Demonstration Plan for Westinghouse Bio-Analytic Systems Pentachlorophenol Immunoassays
PB92-170190/REB 92-01 PC **A08**/MF **A02**

SUPERFUND PROGRAM

Health Effects Assessment Summary Tables.
PB92-921100/REB 92-01 Standing Order

SUPERFUND SITES

Evaluation of Personal Cooling Devices for Dioxin Clean-Up Operation.
PB92-206895/REB 92-04 PC **A05**/MF **A01**

SUPERFUND SOILS DATA MANAGEMENT SYSTEM

Superfund Soils Data Management System.
PB92-139476/REB 92-01 PC **A02**/MF **A01**

SUPERNUMERARY RIBS

Developmental Toxicity of Bromoxynil in Mice and Rats.
PB92-113265/REB 92-01 PC **A02**/MF **A01**

Significance of Supernumerary Ribs in Rodent Developmental Toxicity Studies: Postnatal Persistence in Rats and Mice.
PB92-113299/REB 92-01 PC **A02**/MF **A01**

SURFACE CHEMISTRY

Spectroscopic Study of Surface Redox Reactions With Manganese Oxides.
PB92-179837/REB 92-01 PC **A02**/MF **A01**

SURFACE COATING

Evaluation of Five Waste Minimization Technologies at the General Dynamics Pomona Division Plant.
PB92-125756/REB 92-01 PC **A04**/MF **A01**

VOC Prevention Options for Surface Coating.
PB92-198266/REB 92-04 PC **A03**/MF **A01**

SURFACE IMPOUNDMENTS

Capsule Report: Acostic Monitoring to Determine the Integrity of Hazardous Waste Dams.
PB92-179928/REB 92-01 PC **A03**/MF **A01**

SURFACE WATERS

Estimating Critical Loads of Sulfate to Surface Waters in the Northeastern United States: A Comparative Assessment of Three Procedures for Estimating Critical Loads of Sulfate for Lakes.
PB92-119015/REB 92-01 PC **A03**/MF **A01**

Regional Patterns and Local Variability of Dry and Occult Deposition Strongly Influence Sulfate Concentrations in Maine Lakes.
PB92-136951/REB 92-01 PC **A02**/MF **A01**

Environmental Monitoring and Assessment Program: Surface Waters Implementation Plan - Northeast Pilot Lake Survey, Summer 1991.
PB92-139948/REB 92-01 PC **A05**/MF **A01**

Reduction of Disinfection By-Product Precursors by Nanofiltration.
PB92-149269/REB 92-01 PC **E99**/MF **A06**

User's Guide and Data Dictionary for Kenai Lakes Investigation Project.
PB92-178961/REB 92-01 PC **A03**/MF **A01**

Acidic Episodes in Surface Waters in Europe.
PB92-188853/REB 92-01 PC **A03**/MF **A01**

Mercury in the St. Louis River, Mississippi River, Crane Lake, and Sand Point Lake: Cycling, Distribution, and Sources. Report to the Legislative Commission on Minnesota Resources.
PB92-195957/REB 92-01 PC **A07**/MF **A02**

Predicting the Precipitation of Acid and Direct Dyes in Natural Waters.
PB92-206200/REB 92-04 PC **A03**/MF **A01**

Restoration of Aquatic Ecosystems: Science, Technology and Public Policy.
PB92-224161/REB 92-04 PC **A24**/MF **A04**

Biological Criteria: Guide to Technical Literature.
PB92-231489/REB 92-04 PC **A07**/MF **A02**

Biological Criteria: National Program Guidance for Surface Waters.
PB92-231497/REB 92-04 PC **A04**/MF **A01**

Direct/Delayed Response Project: Future Effects of Long-Term Sulfur Deposition on Stream Chemistry in the Mid-Appalachian Region of the Eastern United States.
PB92-232370/REB 92-04 PC **A18**/MF **A04**

Selecting Priority Nonpoint Source Projects: You Better Shop Around.
PB92-233063/REB 92-04 PC **A03**/MF **A01**

SURFACTANTS

Adsorption of Surfactants (Chapter 7).
PB92-143809/REB 92-01 PC **A03**/MF **A01**

Surfactant-Enhanced Solubilization of Tetrachloroethylene and Degradation Products in Pump and Treat Remediation.
PB92-191121/REB 92-01 PC **A03**/MF **A01**

SURVEYS

National Home and Garden Pesticide Use Survey Final Report. Executive Summary.
PB92-174739/REB 92-01 PC **A03**/MF **A01**

National Home and Garden Pesticide Use Survey. Final Report. Volume 1. Executive Summary, Results, and Recommendations.
PB92-174747/REB 92-01 PC **A16**/MF **A03**

National Home and Garden Pesticide Use Survey. Final Report. Volume 2. Survey Design, Implementation, and Analysis Methods.
PB92-174754/REB 92-01 PC **A07**/MF **A02**

SURVIVAL

Effects of Low Dissolved Oxygen on Survival, Growth and Reproduction of 'Daphnia', 'Hyalella' and 'Gammarus'.
PB92-188846/REB 92-01 PC **A02**/MF **A01**

SUSPENDED SEDIMENTS

Reactive Transport of Suspended Particles: Mechanisms and Modeling.
PB92-174317/REB 92-01 PC **A13**/MF **A03**

SUSTAINABLE AGRICULTURE
Integrating Sustainable Agriculture, Ecology, and Environmental Policy. Proceedings of a Workshop. Held in Arlington, Virginia, on July 22-23, 1991.
PB92-137975/REB 92-01 PC **A11**/MF **A03**

SWAMPS
Evaluating Design and Verifying Compliance of Created Wetlands in the Vicinity of Tampa, Florida.
PB92-116045/REB 92-01 PC **A06**/MF **A02**

Pilot Study to Compare Created and Natural Wetlands in Western Washington and Evaluate Methods.
PB92-136811/REB 92-01 PC **A04**/MF **A01**

Use of Marsh Plants for Toxicity Testing of Water and Sediment.
PB92-195882/REB 92-01 PC **A03**/MF **A01**

SYMBIOSIS
Nutritional Role of Endosymbiotic Bacteria in Animal-Bacteria Symbioses: 'Solemya velum', a Case Study.
PB92-112895/REB 92-01 PC **A17**/MF **A04**

SYMPOSIA
Special Interest Group (SIG) Forum for Fish Consumption Risk Management. User's Manual, v.1.0: A Division of the Nonpoint Source Information Exchange Computer Bulletin Board System (NPS BBS).
PB92-231687/REB 92-04 PC **A04**/MF **A01**

SYNIDOTEA LAEVIDORDALIS
Test of Criteria for Introduced Species: The Global Invasion by the Isopod 'Synidotea laevidorsalis' (Miers, 1881).
PB92-108018/REB 92-01 PC **A03**/MF **A01**

SYNONYMS
Common Synonyms: For Chemicals Listed Under Section 313 of the Emergency Planning and Community Right-to-Know Act.
PB92-232164/REB 92-04 PC **A06**/MF **A02**

SYNTHETIC APERTURE RADAR
Study to Determine the Feasibility of Using a Ground-Penetrating Radar for More Effective Remediation of Subsurface Contamination.
PB92-169382/REB 92-04 PC **A06**/MF **A02**

SYNTHETIC SUBSTRATA
Synthetic Substrata for Propagation and Testing of Soil and Sediment Organisms.
PB92-195676/REB 92-01 PC **A03**/MF **A01**

SYSPOP PROGRAM
User's Guide for the SYSPOP Program: A PC Version of the PRESTO-EPA-POP Operation System, Version 1.0.
PB92-213255/REB 92-04 PC **A11**/MF **A03**

TAILINGS
Mining Sites on the National Priorities List: NPL Site Summary Reports. Volume 1 (Aluminum Company of America (Vancouver Smelter) to Cleveland Mill).
PB92-124767/REB 92-01 PC **A99**

Mining Sites on the National Priorities List: NPL Site Summary Reports. Volume 2 (Commencement Bay Nearshore/Tideflats to Kerr McGee) (Kress Creek, Reed-Keppler Park, Residential Areas, Sewage Treatment Plant).
PB92-124775/REB 92-01 PC **A99**

Mining Sites on the National Priorities List: NPL Site Summary Reports. Volume 3 (Kerr-McGee Chemical Corp. (Soda Springs Plant) to Ormet Corp).
PB92-124783/REB 92-01 PC **A99**

Mining Sites on the National Priorities List: NPL Site Summary Reports. Volume 4 (Oronogo-Duenweg Mining Belt to Tar Creek).
PB92-124791/REB 92-01 PC **A99**

Mining Sites on the National Priorities List: NPL Site Summary Reports. Volume 5 (Teledyne Wah Chang to Wayne Interim Storage Facility/W.R. Grace).
PB92-124809/REB 92-01 PC **A99**

TALC
Health Assessment Document for Talc.
PB92-239524/REB 92-04 PC **A04**/MF **A01**

TANKER SHIPS
Oil Tanker Waste Disposal Practices: A Review.
PB92-196047/REB 92-01 PC **A03**/MF **A01**

TECHNICAL ASSISTANCE
Citizens' Guidance Manual for the Technical Assistance Grant Program.
PB92-101435/REB 92-01 PC **A14**/MF **A03**

Technical Assistance Team (TAT) Contracts Users' Manual.
PB92-963407/REB 92-01 PC **A09**/MF **A02**

TECHNICAL ASSISTANCE GRANT PROGRAM
Citizens' Guidance Manual for the Technical Assistance Grant Program.
PB92-101435/REB 92-01 PC **A14**/MF **A03**

TECHNICAL WRITING
Biological Criteria: Guide to Technical Literature.
PB92-231489/REB 92-04 PC **A07**/MF **A02**

TECHNOLOGY ASSESSMENT
Superfund Accelerated Cleanup Bulletin. Volume 1, Number 3. Presumptive Remedies.
PB92-963371/REB 92-04 PC **A01**/MF **A01**

TECHNOLOGY INNOVATION
Forum on Innovative Hazardous Waste Treatment Technologies (3rd): Domestic and International. Held in Dallas, Texas on June 11-13, 1991. Technical Papers.
PB92-219732/REB 92-04 PC **A22**/MF **A04**

Superfund Innovative Technology Evaluation Program: Technology Profiles, Fourth Edition.
PB92-224294/REB 92-04 PC **A10**/MF **A03**

Superfund Innovative Technology Evaluation Program: Progress and Accomplishments, Fiscal Year 1990. A Fourth Report to Congress.
PB92-224799/REB 92-04 PC **A05**/MF **A01**

TECHNOLOGY TRANSFER
OSWER Source Book: Training and Technology Transfer Resources.
PB92-102169/REB 92-01 PC **A13**/MF **A03**

Control Technology Center FY91: A Fifth Year of Growth.
PB92-238468/REB 92-04 PC **A04**/MF **A01**

TECHNOLOGY UTILIZATION
Stabilization Technologies for RCRA Corrective Actions. Handbook.
PB92-114495/REB 92-01 PC **A04**/MF **A01**

U.S. Environmental Protection Agency's SITE Emerging Technology Program: 1991 Update.
PB92-150663/REB 92-01 PC **A02**/MF **A01**

Comparison of the Incineration of Medical Waste with Hazardous and Municipal Waste.
PB92-217090/REB 92-04 PC **A03**/MF **A01**

Retech, Inc., Plasma Centrifugal Furnace: Applications Analysis Report.
PB92-218791/REB 92-04 PC **A04**/MF **A01**

TEDLAR BAG
Tedlar Bag Sampling System for Toxic Organic Compounds in Source Emission Sampling and Analysis.
PB92-166719/REB 92-01 PC **A01**/MF **A01**

TELEPHONES
OSWER Superfund Telephone Directory, May 1992.
PB92-963264/REB 92-01 PC **E02**

TEMPERANCE (MICHIGAN)
Superfund Record of Decision (EPA Region 5): Novaco Industries, MI. (First Remedial Action), (Amendment), September 1991.
PB92-964104/REB 92-01 PC **A03**/MF **A01**

TEMPERATE REGIONS
Life History and Toxicological Comparisons of Temperate and Subtropical Mysids.
PB92-124304/REB 92-01 PC **A03**/MF **A01**

TEMPORARY TOTAL ENCLOSURE
Measurement Solution: Using a Temporary Total Enclosure for Capture Efficiency Testing.
PB92-190271/REB 92-01 PC **A07**/MF **A02**

TENNESSEE
National Priorities List Sites: Tennessee.
PB92-963225/REB 92-01 PC **A04**/MF **A01**

TERATOGENIC COMPOUNDS
Developmental Malformation of Frog Embryos: An Analysis of Teratogenicity of Chemical Mixtures.
PB92-108190/REB 92-01 PC **A02**/MF **A01**

Developmental Toxicity of Bromoxynil in Mice and Rats.
PB92-113265/REB 92-01 PC **A02**/MF **A01**

Significance of Supernumerary Ribs in Rodent Developmental Toxicity Studies: Postnatal Persistence in Rats and Mice.
PB92-113299/REB 92-01 PC **A02**/MF **A01**

Role of Metallothionein Induction and Altered Zinc Status in Maternally Mediated Developmental Toxicity: Comparison of the Effects of Urethane and Styrene in Rats.
PB92-124635/REB 92-01 PC **A03**/MF **A01**

Developmental Toxicity of TCDD and Related Compounds: Species Sensitivities and Differences.
PB92-124643/REB 92-01 PC **A03**/MF **A01**

In vitro Teratology.
PB92-124700/REB 92-01 PC **A02**/MF **A01**

Neonatal Exposure to Triethyltin Disrupts Olfactory Discrimination Learning in Preweanling Rats.
PB92-124726/REB 92-01 PC **A03**/MF **A01**

Consideration of Pharmacokinetics and Temporal Sensitivity for Hydroxyurea in Relation to Teratogenic Potential.
PB92-136910/REB 92-01 PC **A03**/MF **A01**

Retinoic Acid Alters Epithelial Differentiation during Palaotogenesis.
PB92-158617/REB 92-01 PC **A03**/MF **A01**

Developmental Effects of Methyl Benzimidazolecarbamate Following Exposure during Early Pregnancy.
PB92-164862/REB 92-01 PC **A02**/MF **A01**

Limited PCB Antagonism of TCDD-Induced Malformations in Mice.
PB92-166768/REB 92-01 PC **A02**/MF **A01**

Teratogenesis, Toxicity, and Bioconcentration in Frogs Exposed to Dieldrin.
PB92-180363/REB 92-01 PC **A03**/MF **A01**

Developmental Toxicology: Risk Assessment and the Future.
PB92-184993/REB 92-01 PC **A13**/MF **A03**

Embryonic Palatal Responses to Teratogens in Serum-Free Organ Culture.
PB92-188960/REB 92-01 PC **A03**/MF **A01**

Study Design Considerations in Developmental Neurotoxicology.
PB92-206291/REB 92-04 PC **A02**/MF **A01**

Developmental Neurotoxicology of Polychlorinated Biphenyls and Related Compounds.
PB92-206549/REB 92-04 PC **A03**/MF **A01**

Corticosterone Hypersecretion in Preweanling Rats Exposed Neonatally to Trimethyltin.
PB92-227529/REB 92-04 PC **A02**/MF **A01**

Reply to 'Selective Development Toxicity: Misuse of the Concept via Mis-Application of a Mis-Defined 'A/D Ratio'. (Letter to the Editor).
PB92-227610/REB 92-04 PC **A01**/MF **A01**

TERATOGENS
Interspecies Comparisons of A/D Ratios: A/D Ratios Are Not Constant Across Species.
PB92-143965/REB 92-01 PC **A03**/MF **A01**

In vitro/In vivo Comparison of Yolk-Sac Function and Embryo Development.
PB92-150804/REB 92-01 PC **A02**/MF **A01**

Assessing Developmental Hazard: The Reliability of the A/D Ratio.
PB92-150838/REB 92-01 PC **A03**/MF **A01**

Effects of Chemically Induced Maternal Toxicity on Prenatal Development in the Rat.
PB92-150887/REB 92-01 PC **A02**/MF **A01**

Comparisons of the Effects of TCDD and Hydrocortisone on Growth Factor Expression Provide Insight into Their Interaction in the Embryonic Mouse Palate.
PB92-158641/REB 92-01 PC **A03**/MF **A01**

TERRESTRIAL ECOSYSTEMS
Sulfur Dynamics of Forest Ecosystems.
PB92-153048/REB 92-01 PC **A04**/MF **A01**

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PB92-195676/REB 92-01 PC **A03**/MF **A01**

TEST CHAMBERS
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PB92-108067/REB 92-01 PC **A03**/MF **A01**

TEST METHODS
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PB92-153055/REB 92-01 PC **A03**/MF **A01**

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Effect of Inhaled Methanol on Pituitary and Testicular Hormones in Chamber Acclimated and Non-Acclimated Rats.
PB92-150788/REB 92-01 PC **A03**/MF **A01**

Fungicide Benomyl(Methyl 1-(Butylcarbamoyl)-2-Benzimidazolecarbamate) Causes Testicular Dysfunction by Inducing the Sloughing of Germ Cells and Occlusion of Efferent Ductules.
PB92-150796/REB 92-01 PC **A03**/MF **A01**

Collection of Interstitial Fluid and Seminiferous Tubule Fluid from the Rat Testis.
PB92-179084/REB 92-01 PC **A03**/MF **A01**

TESTS
Plant Tier Testing: A Workshop to Evaluate Nontarget Plant Testing in Subdivision J Pesticide Guidelines. Held in Corvallis, Oregon on November 29-December 1, 1990.
PB92-116052/REB 92-01 PC **A12**/MF **A03**

TETRABROMODIBENZODIOXINS
Disposition of 2,3,7,8-Tetrabromodibenzo-p-Dioxin and 2,3,7,8-Tetrachlorodibenzo-p-dioxin in the Rat: Biliary Excretion and Induction of Cytochromes CYP1A1 and CYP1A2.
PB92-150747/REB 92-01 PC **A03**/MF **A01**

TETRACHLORODIBENZODIOXIN
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PB92-150747/REB 92-01 PC **A03**/MF **A01**

Comparisons of the Effects of TCDD and Hydrocortisone on Growth Factor Expression Provide Insight into Their Interaction in the Embryonic Mouse Palate.
PB92-158641/REB 92-01 PC **A03**/MF **A01**

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PB92-166768/REB 92-01 PC **A02**/MF **A01**

TETRACHLORODIBENZODIOXINS
Developmental Toxicity of TCDD and Related Compounds: Species Sensitivities and Differences.
PB92-124643/REB 92-01 PC **A03**/MF **A01**

TETRACHLOROETHYLENE
Dry Cleaning Facilities: Background Information for Proposed Standards.
PB92-126762/REB 92-01 PC **A07**/MF **A02**

Economic Impact Analysis of Regulatory Controls in the Dry Cleaning Industry.
PB92-126770/REB 92-01 PC **A11**/MF **A03**

Stimulation of Reductive Dechlorination of Tetrachloroethene in Anaerobic Aquifer Microcosms by Addition of Short-Chain Organic Acids or Alcohols.
PB92-206465/REB 92-04 PC **A01**/MF **A01**

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National Priorities List Sites: Texas.
PB92-963212/REB 92-01 PC **A06**/MF **A02**

THAILAND
Climate Change in Thailand and Its Potential Impact on Rice Yield.
PB92-232883/REB 92-04 PC **A03**/MF **A01**

THALLIUM
Drinking Water Health Advisory for Thallium.
PB92-135524/REB 92-01 PC **A03**/MF **A01**

Drinking Water Criteria Document for Thallium.
PB92-173483/REB 92-01 PC **A06**/MF **A02**

THALLIUM COMPOUNDS
Drinking Water Health Advisory for Thallium.
PB92-135524/REB 92-01 PC **A03**/MF **A01**

THEMATIC MAPPING
Watershed Characterization Using Landsat Thematic Mapper Imagery: Blackfoot River, Montana.
PB92-115237/REB 92-01 PC **A03**/MF **A01**

THERMAL BATTERIES
Evaluation of a Schatz Heat Battery on a Flexible-Fueled Vehicle. Phase 2.
PB92-204585/REB 92-04 PC **A03**/MF **A01**

THERMAL DEGRADATION
On-Site Engineering Report for the Low-Temperature Thermal Desorption Pilot-Scale Test on Contaminated Soil.
PB92-216936/REB 92-04 PC **A07**/MF **A02**

THERMAL ENVIRONMENTS
Removal of Creosote from Soil by Thermal Desorption.
PB92-126838/REB 92-01 PC **A02**/MF **A01**

THERMAL REACTORS
EPA SITE Demonstration of the Horsehead Resource Development Company Flame Reactor Technology.
PB92-139401/REB 92-01 PC **A02**/MF **A01**

Horsehead Resource Development Company, Inc. Flame Reactor Technology: Applications Analysis Report.
PB92-213214/REB 92-04 PC **A04**/MF **A01**

Superfund Innovative Technology Evaluation (SITE): Demonstration Bulletin. Flame Reactor, Horsehead Resource Development Company, Inc.
PB92-235613/REB 92-04 PC **A01**/MF **A01**

THERMAL RECOVERY METHODS
EPA SITE Demonstration of the Horsehead Resource Development Company Flame Reactor Technology.
PB92-139401/REB 92-01 PC **A02**/MF **A01**

THERMODYNAMIC EQUILIBRIUM
Prediction of Octanol/Water Partition Coefficient (K sub ow) with Algorithmically Derived Variables.
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THERMODYNAMIC PROPERTIES
Vapor Pressures, Liquid Molar Volumes, Vapor Non-Idealities, and Critical Properties of Some Fluorinated Ethers: CF3OCF2OCF3, CF3OCF2CF2H, c-CF2CF2CF2O, CF3OCF2H, and CF3OCH3; and of CCl3F and CF2ClH.
PB92-179746/REB 92-01 PC **A03**/MF **A01**

Thermodynamic Evaluation of Predicted Fluorinated Ether, Ethane, and Propane Azeotropes.
PB92-198241/REB 92-04 PC **A03**/MF **A01**

Physical Property Data on Fluorinated Propanes and Butanes as CFC and HCFC Alternatives.
PB92-206507/REB 92-04 PC **A03**/MF **A01**

THERMOPLASTIC RESINS
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PB92-213263/REB 92-04 PC **A08**/MF **A02**

THIRD REMEDIAL ACTION
Superfund Record of Decision (EPA Region 4): Oak Ridge Reservation (USDOE), (Operable Unit 4), Roane County, Oak Ridge, TN. (Third Remedial Action), September 1991.
PB92-964012/REB 92-01 PC **A03**/MF **A01**

THIRD REMEDIAL ACTION (AMENDMENT)-FINAL
Superfund Record of Decision (EPA Region 2): Love Canal (93rd Street School), Niagara County, City of Niagara Falls, NY. (Third Remedial Action), (Amendment), May 1991.
PB92-963805/REB 92-01 PC **A03**/MF **A01**

THIRD REMEDIAL ACTION - FINAL
Superfund Record of Decision (EPA Region 2): Naval Air Engineering Center, (Operable Unit 4), Lakehurst, NJ. (Third Remedial Action), September 1991.
PB92-963832/REB 92-04 PC **A04**/MF **A01**

THROUGHFALL
Forest Soil Response to Acid and Salt Additions of Sulfate: 3. Solubilization and Composition of Dissolved Organic Carbon.
PB92-150564/REB 92-01 PC **A03**/MF **A01**

TIDAL MARSHES
Long-Term Changes in the Areal Extent of Tidal Marshes, Eelgrass Meadows and Kelp Forests of Puget Sound.
PB92-104496/REB 92-01 PC **A06**/MF **A02**

TIGRIOPUS CALIFORNICUS
Nutritional Value of 'Artemia' and 'Tigriopus californicus' (Baker) for Two Pacific Mysid Species, 'Metamysidopsis elongata' (Holmes) and 'Mysidopsis intii' (Holmquist).
PB92-108000/REB 92-01 PC **A03**/MF **A01**

TIME STUDIES
Time Spent in Activities, Locations, and Microenvironments: A California-National Comparison.
PB92-140789/REB 92-01 PC **A05**/MF **A01**

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Markets for Scrap Tires.
PB92-115252/REB 92-01 PC **A06**/MF **A02**

Mutagenicity of Emissions from the Simulated Open Burning of Scrap Rubber Tires.
PB92-217009/REB 92-04 PC **A04**/MF **A01**

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Monitoring Human Tissues for Toxic Substances.
PB92-223239/REB 92-04 PC **A10**/MF **A03**

TITLE III
Making It Work: Title 3 Compliance. The Public's Right-to-Know.
PB92-224690/REB 92-04 PC **A02**/MF **A01**

Title 3 on Indian Lands: A Guide to the Emergency Planning and Community Right-to-Know Act. (Technical Assistance Bulletin). Volume 10, Number 2.
PB92-224740/REB 92-04 PC **A03**/MF **A01**

TITRATION
Fluorescence Techniques for Metal-Humic Interactions.
PB92-101369/REB 92-01 PC **A03**/MF **A01**

TOBACCO
Deposition Patterns of Cigarette Smoke in Human Airways.
PB92-158682/REB 92-01 PC **A03**/MF **A01**

Cigarette Smoke-Induced DNA Adducts in the Respiratory and Nonrespiratory Tissues of Rats.
PB92-189083/REB 92-01 PC **A02**/MF **A01**

TOBACCO SMOKE POLLUTION
Intercomparison of Sampling Techniques for Nicotine in Indoor Environments.
PB92-110402/REB 92-01 PC **A02**/MF **A01**

Environmental Tobacco Smoke: Measuring Exposures and Assessing Health Effects.
PB92-223262/REB 92-04 PC **A15**/MF **A03**

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PB92-233147/REB 92-04 PC **A03**/MF **A01**

TOLUENE
Mutants of 'Pseudomonas cepacia' G4 Defective in Catabolism of Aromatic Compounds and Trichloroethylene.
PB92-129741/REB 92-01 PC **A02**/MF **A01**

Microbial Degradation of Toluene under Sulfate-Reducing Conditions and the Influence of Iron on the Process.
PB92-166735/REB 92-01 PC **A02**/MF **A01**

TOMATO PLANTS
Protection of Tomatoes, Egg Plants, and Peppers: 1979-April 1991. Citations from AGRICOLA Concerning Diseases and Other Environmental Considerations.
PB92-140201/REB 92-01 PC **A11**/MF **A03**

TOPSMELT
Effects of Fenvalerate on the Early Life Stages of Topsmelt ('Atherinops affinis').
PB92-195684/REB 92-04 PC **A02**/MF **A01**

Laboratory Spawning of Topsmelt, 'Atherinops affinis', with Notes on Culture and Growth of Larvae.
PB92-195759/REB 92-01 PC **A02**/MF **A01**

TOTAL MAXIMUM DAILY LOADS
Guidance for State Water Monitoring and Wasteload Allocation Programs.
PB92-231612/REB 92-04 PC **A04**/MF **A01**

Guidance for Water Quality-Based Decisions: The TMDL Process.
PB92-231620/REB 92-04 PC **A04**/MF **A01**

TOWNS COUNTY (GEORGIA)
Protecting Endangered Species: Interim Measures, Towns County, Georgia.
PB92-232503/REB 92-04 PC **A01**/MF **A01**

TOXIC EMISSION INVENTORIES
Status and Needs for Toxic Emission Inventories for Regional Dispersion and Deposition Modeling.
PB92-110394/REB 92-01 PC **A03**/MF **A01**

TOXIC HAZARDS
Dealing with Toxic Polluted Sediments in the Great Lakes Basin.
AD-P006 908/8/REB 92-04 PC **A03**/MF **A01**

TOXIC MATERIALS
Biomethylation and Environmental Transport of Metals.
PB92-206275/REB 92-04 PC **A02**/MF **A01**

TOXIC RELEASE INVENTORY
Toxic Release Inventory (TRI) United States and Territories, 1987.
PB92-100114/REB 92-01 MF**$600.00**

Toxic Release Inventory (TRI) United States and Territories, 1988.
PB92-100122/REB 92-01 MF**$600.00**

Toxic Release Inventory (TRI) 1987-1989, (on CD-ROM).
PB92-500024/REB 92-01 CD-ROM$45.00

TOXIC SUBSTANCE CONTROL ACT
Toxic Substances Control Act (TSCA) Chemical Substances Inventory: Revised Inventory Synonym and Preferred Name File. January 1992 Magnetic Tape Documentation.
PB92-140755/REB 92-01 PC **A03**/MF **A01**

Toxic Substances Control Act (TSCA) Chemical Substances Inventory: Revised Inventory Synonym and Preferred Name File, January 1992.
PB92-501386/REB 92-01 CP **T05**

TOXIC SUBSTANCES
Methods for Aquatic Toxicity Identification Evaluations. Phase 1 Toxicity Characterization Procedures. Second Edition.
PB92-100072/REB 92-01 PC **A05**/MF **A01**

Toxic Release Inventory (TRI) United States and Territories, 1987.
PB92-100114/REB 92-01 MF**$600.00**

Toxic Release Inventory (TRI) United States and Territories, 1988.
PB92-100122/REB 92-01 MF**$600.00**

Example Environmental Assessment Report for Estuaries.
PB92-102656/REB 92-01 PC **A04**/MF **A01**

Evaluating the Utility of Natural Vegetation in Assessing Arctic Accumulation of Air Toxics.
PB92-103464/REB 92-01 PC **A08**/MF **A02**

Pesticide Fact Sheet Number 226: Bensulfuron Methyl.
PB92-104389/REB 92-01 PC **A02**/MF **A01**

Model of Additive Effects of Mixtures of Narcotic Chemicals.
PB92-108174/REB 92-01 PC **A02**/MF **A01**

Screening Methods for the Development of Air Toxics Emission Factors.
PB92-108778/REB 92-01 PC **A20**/MF **A04**

Pesticide Fact Sheet Number 227: Gokitaht.
PB92-110006/REB 92-01 PC **A02**/MF **A01**

Summary of the 1991 EPA/AWMA International Symposium: Measurement of Toxic and Related Air Pollutants. Held in Durham, North Carolina on May 6-10, 1991.
PB92-110386/REB 92-01 PC **A03**/MF **A01**

National Air Toxics Information Clearinghouse: Bibliography of Selected Reports and Federal Register Notices Related to Air Toxics. Volume 5. Citations, 1991.
PB92-111830/REB 92-01 PC **A10**/MF **A03**

RED Facts: Methoprene.
PB92-111848/REB 92-01 PC **A02**/MF **A01**

Reregistration Eligibility Document (RED): Methoprene (List A, Case 0030).
PB92-111855/REB 92-01 PC **A03**/MF **A01**

Alachlor Position Document 2/3.
PB92-111889/REB 92-01 PC **A02**/MF **A01**

National Air Toxics Information Clearinghouse: Ongoing Research and Regulatory Development Projects.
PB92-111905/REB 92-01 PC **A10**/MF **A03**

National Air Toxics Information Clearinghouse: Bibliography of Selected Reports and Federal Register Notices Related to Air Toxics. Index, 1991.
PB92-111913/REB 92-01 PC **A21**/MF **A04**

Limitations of the Fluorescent Probe Viability Assay.
PB92-113166/REB 92-01 PC **A03**/MF **A01**

Daminozide Position Document 4.
PB92-114198/REB 92-01 PC **A01**/MF **A01**

1,3-Dichloropropene Position Document 1.
PB92-114206/REB 92-01 PC **A02**/MF **A01**

Daminozide Position Document 2/3.
PB92-114214/REB 92-01 PC **A03**/MF **A01**

Daminozide Position Document 1.
PB92-114222/REB 92-01 PC **A02**/MF **A01**

Cadmium: Special Review Document.
PB92-114230/REB 92-01 PC **A01**/MF **A01**

Alachlor: Position Document, 4.
PB92-114248/REB 92-01 PC **A03**/MF **A01**

Ethalfluralin Position Document 1/2/3/4.
PB92-114263/REB 92-01 PC **A02**/MF **A01**

Dichlorvos (DDVP) Position Document 1.
PB92-114271/REB 92-01 PC **A02**/MF **A01**

Captafol Final Decision.
PB92-114289/REB 92-01 PC **A01**/MF **A01**

Inorganic Arsenicals Position Document 2/3.
PB92-114297/REB 92-01 PC **A03**/MF **A01**

Inorganic Arsenicals Position Document 4.
PB92-114305/REB 92-01 PC **A03**/MF **A01**

Chlorobenzilate Position Document 1.
PB92-114313/REB 92-01 PC **A01**/MF **A01**

RED Facts: Fosetyl-Al (Aliette).
PB92-114321/REB 92-01 PC **A02**/MF **A01**

Reregistration Eligibility Document (RED): Fosetyl-Al (Aliette).
PB92-114339/REB 92-01 PC **A04**/MF **A01**

RED Facts: Sulfur.
PB92-114347/REB 92-01 PC **A02**/MF **A01**

RED. Facts: Potassium Bromide.
PB92-114354/REB 92-01 PC **A02**/MF **A01**

Reregistration Elegibility Document (RED): Potassium Bromide.
PB92-114362/REB 92-01 PC **A03**/MF **A01**

Dinocap Position Document 4.
PB92-114370/REB 92-01 PC **A03**/MF **A01**

Reregistration Eligibility Document (RED): Sulfur (List A, Case 0031).
PB92-114453/REB 92-01 PC **A04**/MF **A01**

Genotoxicity in Mouse Lymphoma Cells of Chemicals Capable of Michael Addition.
PB92-120484/REB 92-01 PC **A02**/MF **A01**

Toxicological Implementations of Remediating Hazardous Wastes.
PB92-124171/REB 92-01 PC **A03**/MF **A01**

Reregistration Eligibility Document (RED): Warfarin.
PB92-126739/REB 92-01 PC **A04**/MF **A01**

Reregistration Eligibility Document (RED): Warfarin. Appendices C-H.
PB92-126747/REB 92-01 PC **A06**/MF **A02**

RED Facts: Warfarin.
PB92-126754/REB 92-01 PC **A02**/MF **A01**

Locating and Estimating Air Emissions from Sources of Styrene, Interim Report.
PB92-126788/REB 92-01 PC **A08**/MF **A02**

Fractionation of Complex Combustion Mixtures Using an Ion-Exchange Methodology.
PB92-126887/REB 92-01 PC **A02**/MF **A01**

Pseudopregnancy and the Decidual Cell Response (DCR) in the Rat.
PB92-126895/REB 92-01 PC **A03**/MF **A01**

Assessment of Implantation in the Rat.
PB92-126903/REB 92-01 PC **A03**/MF **A01**

Pesticide Fact Sheet Number 228: Triflumizole.
PB92-126978/REB 92-01 PC **A02**/MF **A01**

Pesticide Fact Sheet Number 229: Diquat Dibromide.
PB92-126986/REB 92-01 PC **A03**/MF **A01**

Hazardous Air Pollutant Program (HAP-PRO). User's Manual (for Use with Version 1.0, January-September, 1990).
PB92-135904/REB 92-01 PC **A04**/MF **A01**

Modeling Studies for Planning: The Green Bay Project.
PB92-136944/REB 92-01 PC **A02**/MF **A01**

Guidelines for Conducting Early Life Stage Toxicity Tests with Japanese Medaka 'Oryzias latipes'.
PB92-137488/REB 92-01 PC **A03**/MF **A01**

Effects of Glean, a Sulfonylurea Herbicide, on the Reproductive Biology and Fruit Set in Cherry Trees. Progress Report to Region 10.
PB92-142652/REB 92-01 PC **A03**/MF **A01**

NATICH Data Base Report on State, Local and EPA Air Toxics Activities, September 1991.
PB92-143700/REB 92-01 PC **A99**/MF **A06**

Pesticide Fact Sheet Number 231: Prodiamine.
PB92-145416/REB 92-01 PC **A03**/MF **A01**

RED Facts: Carbon Dioxide.
PB92-145424/REB 92-01 PC **A02**/MF **A01**

RED Facts: Silicon Dioxide and Silica Gel.
PB92-145432/REB 92-01 PC **A02**/MF **A01**

RED Facts: Sodium Diacetate.
PB92-145440/REB 92-01 PC **A02**/MF **A01**

Pesticide Fact Sheet Number 230: Clethodim.
PB92-145457/REB 92-01 PC **A02**/MF **A01**

RED Facts: Dried Blood.
PB92-145465/REB 92-01 PC **A02**/MF **A01**

RED Facts: Inorganic Nitrate/Nitrite (Sodium and Potassium Nitrates).
PB92-145473/REB 92-01 PC **A02**/MF **A01**

Crosswalk/Air Toxic Emission Factor Data Base Management System User's Manual, Version 1.2.
PB92-145556/REB 92-01 PC **A11**/MF **A03**

RED Facts: Carbon.
PB92-147883/REB 92-01 PC **A02**/MF **A01**

RED Facts: Propionic Acid.
PB92-147891/REB 92-01 PC **A02**/MF **A01**

Assessment of Toxicant-Induced Alterations in the Luteinizing Hormone Control of Ovulation in the Rat.
PB92-150515/REB 92-01 PC **A03**/MF **A01**

Overview, Conclusions, and Recommendations of the IPCS Collaborative Study on Complex Mixtures.
PB92-150689/REB 92-01 PC **A03**/MF **A01**

Design and Implementation of a Collaborative Study of the Mutagenicity of Complex Mixtures in 'Salmonella typhimurium'.
PB92-150697/REB 92-01 PC **A02**/MF **A01**

Sources of Variation in the Mutagenic Potency of Complex Chemical Mixtures Based on the Salmonella/Microsome Assay.
PB92-150713/REB 92-01 PC **A03**/MF **A01**

Results of the IPCS Collaborative Study on Complex Mixtures.
PB92-150721/REB 92-01 PC **A03**/MF **A01**

Bioavailability to Plants of Sludge-Borne Toxic Organics.
PB92-153931/REB 92-01 PC **A03**/MF **A01**

Toxic Release Inventory (TRI). Documentation for the 1990 Magnetic Tape.
PB92-155381/REB 92-01 PC **A06**/MF **A02**

Compound-Induced Alterations of Sexual Differentiation: A Review of Effects in Humans and Rodents.
PB92-158583/REB 92-01 PC **A03**/MF **A01**

Pesticide Fact Sheet Number 232: Isoxaben.
PB92-160548/REB 92-01 PC **A02**/MF **A01**

Reregistration Eligibility Document (RED): Inorganic Nitrate/Nitrite (Sodium and Potassium Nitrates).
PB92-161975/REB 92-01 PC **A03**/MF **A01**

Reregistration Eligibility Document (RED): Propionic Acid.
PB92-161983/REB 92-01 PC **A03**/MF **A01**

Sampling and Analysis Design for Development of Everett Harbor Action Program.
PB92-166875/REB 92-01 PC **A04**/MF **A01**

EPCRA Section 313 Roadmaps Database. User's Manual. (Version 2.2) (for Microcomputers).
PB92-169523/REB 92-01 PC **A05**/MF **A01**

Air/Superfund National Technical Guidance Study Series. Guideline for Predictive Baseline Emissions Estimation Procedures for Superfund Sites.
PB92-171909/REB 92-01 PC **A03**/MF **A01**

Air Superfund National Technical Guidance Study Series. Screening Procedures for Estimating the Air Impacts of Incineration at Superfund Sites.
PB92-171917/REB 92-01 PC **A04**/MF **A01**

Air Superfund National Technical Guidance Study Series. Estimation of Air Impacts for the Excavation of Contaminated Soil.
PB92-171925/REB 92-01 PC **A04**/MF **A01**

RED Facts: Sodium and Calcium Hypochlorite Salts.
PB92-171958/REB 92-01 PC **A02**/MF **A01**

National Home and Garden Pesticide Use Survey Final Report. Executive Summary.
PB92-174739/REB 92-01 PC **A03**/MF **A01**

National Home and Garden Pesticide Use Survey. Final Report. Volume 1. Executive Summary, Results, and Recommendations.
PB92-174747/REB 92-01 PC **A16**/MF **A03**

National Home and Garden Pesticide Use Survey. Final Report. Volume 2. Survey Design, Implementation, and Analysis Methods.
PB92-174754/REB 92-01 PC **A07**/MF **A02**

Reductive Dechlorination of Trichloroethylene in Anoxic Aquifer Material from Picatinny Arsenal, New Jersey.
PB92-179019/REB 92-01 PC **A02**/MF **A01**

Biotransformation of CIS-1,2-Dichloroethylene in Aquifer Material from Picatinny Arsenal, Morris County, New Jersey.
PB92-179100/REB 92-01 PC **A03**/MF **A01**

Spatial Variability of Geochemical and Hydrologic Properties of Subsurface Materials in a Sand and Gravel Aquifer, Cape Cod, Massachusetts.
PB92-179126/REB 92-01 PC **A02**/MF **A01**

Effect of the Geochemical Environment on Heavy-Metal Transport in Ground Water.
PB92-179134/REB 92-01 PC **A03**/MF **A01**

Applications of a Neurobehavioral Screening Battery.
PB92-179787/REB 92-01 PC **A03**/MF **A01**

Epoxide Ring Opening and Related Reactivities of Cyclopenta Polycyclic Aromatic Hydrocarbons: Quantum Mechanical Studies.
PB92-179795/REB 92-01 PC **A02**/MF **A01**

Reregistration Eligibiligy Document (RED): Sodium and Calcium Hypochlorites.
PB92-180116/REB 92-01 PC **A04**/MF **A01**

Pesticide Fact Sheet Number 225: Dichlorvos (DDVP).
PB92-185818/REB 92-01 PC **A01**/MF **A01**

Pesticide Fact Sheet Number 91.1: Arsenic Acid (H3AsO4).
PB92-185826/REB 92-01 PC **A02**/MF **A01**

Pesticide Fact Sheet Number 112.1: Lead Arsenate.
PB92-185834/REB 92-01 PC **A01**/MF **A01**

Pesticide Fact Sheet Number 233: Ethylene Bisdithiocarbamates (EBDCs).
PB92-185842/REB 92-01 PC **A03**/MF **A01**

Pesticide Fact Sheet Number 234: Ethylene Oxide (EtO).
PB92-185859/REB 92-01 PC **A02**/MF **A01**

Pesticide Fact Sheet Number 111.1: Calcium Arsenate (Tolerance Revocation).
PB92-186410/REB 92-01 PC **A01**/MF **A01**

Health Research to Support Risk Assessment.
PB92-188788/REB 92-01 PC **A03**/MF **A01**

Implementing 'In vitro' Models in the Hazard Identification and Risk Assessment Process.
PB92-188796/REB 92-01 PC **A03**/MF **A01**

Stability of Air Toxic Gases Listed in Title III Clean Air Act Amendments.
PB92-188812/REB 92-01 PC **A03**/MF **A01**

Status of Pesticides in Reregistration and Special Review.
PB92-190438/REB 92-01 PC **A14**/MF **A03**

Reregistration Eligibility Document (RED): Heptachlor.
PB92-191105/REB 92-01 PC **A06**/MF **A02**

RED Facts: Heptachlor.
PB92-192798/REB 92-01 PC **A02**/MF **A01**

Comparative Acute Sensitivity of Larval Topsmelt, 'Atherinops affinis', and Inland Silverside, 'Menidia beryllina', to 11 Chemicals.
PB92-195668/REB 92-01 PC **A02**/MF **A01**

EPA's Control Technology Center: Technical Support to Federal, State, and Local Agencies.
PB92-198233/REB 92-04 PC **A02**/MF **A01**

Regional Respiratory Tract Absorption of Inhaled Reactive Gases.
PB92-217140/REB 92-04 PC **A05**/MF **A01**

Chesapeake Bay Basin Comprehensive List of Toxic Substances.
PB92-221373/REB 92-04 PC **A04**/MF **A01**

Tracking Toxic Substances at Industrial Facilities: Engineering Mass Balance versus Materials Accounting.
PB92-223213/REB 92-04 PC **A09**/MF **A02**

Monitoring Human Tissues for Toxic Substances.
PB92-223239/REB 92-04 PC **A10**/MF **A03**

Toxics in the Community: National and Local Perspectives. The 1989 Toxics Release Inventory National Report.
PB92-224278/REB 92-04 PC **A24**/MF **A04**

Pesticide Reregistration Progress Report.
PB92-224328/REB 92-04 PC **A03**/MF **A01**

Emergency Planning and Community Right-to-Know Act: Section 313 Release Reporting Requirements.
PB92-226216/REB 92-04 PC **A03**/MF **A01**

Status of Pesticides in Reregistration and Special Review (Rainbow Report).
PB92-227636/REB 92-04 PC **A14**/MF **A03**

Status Report: State Compliance with CWA Section 303(c)(2)(B) as of February 4, 1990.
PB92-231695/REB 92-04 PC **A05**/MF **A01**

Summary of Available Information on the Levels and Control of Toxic Pollutants Discharges in the Printing and Publishing. Point Source Category.
PB92-231703/REB 92-04 PC **A08**/MF **A02**

RED Facts: Putrescent Whole Egg Solids.
PB92-235621/REB 92-04 PC **A01**/MF **A01**

RED Facts: Alkyl Amine Hydrochloride.
PB92-235639/REB 92-04 PC **A02**/MF **A01**

Pesticide Fact Sheet Number 235: 'Bacillus subtilis' GB03.
PB92-238484/REB 92-04 PC **A02**/MF **A01**

Reregistration Eligibility Document (RED): Indole-3-Butyric Acid. (List B, Case 2330).
PB92-238526/REB 92-04 PC **A12**/MF **A03**

Reference Guide to Odor Thresholds for Hazardous Air Pollutants Listed in the Clean Air Act Amendments of 1990.
PB92-239516/REB 92-04 PC **A05**/MF **A01**

Toxic Release Inventory (TRI) 1987-1989, (on CD-ROM).
PB92-500024/REB 92-01 CD-ROMS45.00

Hazardous Air Pollutant Program (HAP-PRO). Version 1 (for Microcomputers).
PB92-501212/REB 92-01 CP **D03**

Crosswalk/Air Toxic Emission Factor Data Base Management System (XATEF), (Version 1.2) (for Microcomputers).
PB92-501626/REB 92-01 CP **D02**

Roadmaps to Sources of Information on Chemicals Listed in the Emergency Planning Community and Community Right-to-Know Act (Also Known as SARA Title 3), Section 313. Toxic Release Inventory (for Microcomputers).
PB92-501972/REB 92-01 CP **D04**

General Information on Applying for Registration of Pesticides in the United States. Second Edition (for Microcomputers).
PB92-504356/REB 92-04 CP **D02**

TOXICITY

Experimental Design and Instrumentation for a Field Experiment.
AD-A252 680/4/REB 92-04 PC **A05**/MF **A01**

Toxicological Assessment of Hazardous Wastes.
AD-P006 468/3/REB 92-01 PC **A03**/MF **A01**

Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms (Fourth Edition).
PB91-167650/REB 92-01 PC **A14**/MF **A03**

Methods for Aquatic Toxicity Identification Evaluations. Phase 1 Toxicity Characterization Procedures. Second Edition.
PB92-100072/REB 92-01 PC **A05**/MF **A01**

Puget Sound Pesticide Reconnaissance Survey, 1990.
PB92-104504/REB 92-01 PC **A06**/MF **A02**

Influence of Constant and Fluctuating Salinity on Responses of 'Mysidopsis bahia' Exposed to Cadmium in a Life-Cycle Test.
PB92-108042/REB 92-01 PC **A03**/MF **A01**

Urban Air Toxics Monitoring Program, 1990.
PB92-110022/REB 92-01 PC **A13**/MF **A03**

Evaluating the Human Health Effects of Hazardous Wastes: Reproduction and Development, Neurotoxicity, Genetic Toxicity and Cancer.
PB92-110352/REB 92-01 PC **A03**/MF **A01**

Oil Spill Clean Up.
PB92-110469/REB 92-01 PC **A01**/MF **A01**

Color Yes; Cancer No.
PB92-110477/REB 92-01 PC **A03**/MF **A01**

Improvement in the Diagnostic Potential of (32)P-Postlabeling Analysis Demonstrated by the Selective Formation and Comparative Analysis of Nitrated-PAH-Derived Adducts Arising from Diesel Particle Extracts.
PB92-110485/REB 92-01 PC **A02**/MF **A01**

Assessment of Neurotoxicity: Use of Glial Fibrillary Acidic Protein as a Biomarker.
PB92-110527/REB 92-01 PC **A03**/MF **A01**

Developmental Toxicity of Bromoxynil in Mice and Rats.
PB92-113265/REB 92-01 PC **A02**/MF **A01**

Enhanced Neurotoxicity of 3,3'-Iminodipropionitrile Following Pretreatment with Carbon Tetrachloride in the Rat.
PB92-113323/REB 92-01 PC **A03**/MF **A01**

Toxicity Equivalency Factors for PCBs.
PB92-113349/REB 92-01 PC **A03**/MF **A01**

Evaluation of Immunotoxicity of an Urban Profile of Nitrogen Dioxide: Acute, Subchronic, and Chronic Studies.
PB92-113356/REB 92-01 PC **A03**/MF **A01**

Workshop Report on Toxicity Equivalency Factors for Polychlorinated Biphenyl Congeners. Risk Assessment Forum.
PB92-114529/REB 92-01 PC **A05**/MF **A02**

Plant Tier Testing: A Workshop to Evaluate Nontarget Plant Testing in Subdivision J Pesticide Guidelines. Held in Corvallis, Oregon on November 29-December 1, 1990.
PB92-116052/REB 92-01 PC **A12**/MF **A03**

Toxicity, Selectivity and Sublethal Effects of Pesticides on Arthropod Natural Enemies: A Data-Base Summary.
PB92-124189/REB 92-01 PC **A03**/MF **A01**

Application of a Plant Test System in the Identification of Potential Genetic Hazards at Chemical Waste Sites.
PB92-124551/REB 92-01 PC **A03**/MF **A01**

Evaluation of the Immunotoxicity of Orally Administered 2-Methoxyacetic Acid in Fischer 344 Rats.
PB92-124601/REB 92-01 PC **A03**/MF **A01**

Developmental Toxicity of TCDD and Related Compounds: Species Sensitivities and Differences.
PB92-124643/REB 92-01 PC **A03**/MF **A01**

Enhance and Prolonged Pulmonary Influenza Virus Infection Following Phosgene Inhalation.
PB92-124650/REB 92-01 PC **A03**/MF **A01**

In vitro Lymphocyte Proliferation Assays: The Mitogen-Stimulated Response and the Mixed Lymphocyte Reaction in Immunotoxicity Testing.
PB92-126911/REB 92-01 PC **A03**/MF **A01**

Acclimation of Aquatic Microbial Communities to Hg(II) and CH3Hg(+) in Polluted Freshwater Ponds.
PB92-129667/REB 92-01 PC **A03**/MF **A01**

Responses of Wetland Plants to Effluents in Water and Sediment.
PB92-129758/REB 92-01 PC **A02**/MF **A01**

Copper Toxicity to Sperm, Embryos and Larvae of Topsmelt 'Atherinops affinis', with Notes on Induced Spawning.
PB92-129808/REB 92-01 PC **A03**/MF **A01**

Selection of Adduct-Forming Chemicals for Human Monitoring Studies.
PB92-132877/REB 92-01 PC **A05**/MF **A01**

Physiologically Based Toxicokinetic Model for the Uptake and Disposition of Waterborne Organic Chemicals in Fish.
PB92-136902/REB 92-01 PC **A03**/MF **A01**

Risk Assessment Methodologies: Comparing EPA and State Approaches.
PB92-137462/REB 92-01 PC **A05**/MF **A01**

Alpha2u-Globulin: Association with Chemically Induced Renal Toxicity and Neoplasia in the Male Rat.
PB92-143668/REB 92-01 PC **A07**/MF **A02**

Interlaboratory Comparison of Motor Activity Experiments: Implications for Neurotoxicological Assessments.
PB92-143916/REB 92-01 PC **A03**/MF **A01**

Effects of Triadimefon on a Multiple Schedule of Fixed-Interval Performance: Comparison with Methylphenidate, d-Amphetamine and Chlorpromazine.
PB92-143932/REB 92-01 PC **A02**/MF **A01**

Gene Probe for PO Messenger RNA Used to Index Acrylamide Toxic Neuropathy in Rats.
PB92-143957/REB 92-01 PC **A03**/MF **A01**

Interspecies Comparisons of A/D Ratios: A/D Ratios Are Not Constant Across Species.
PB92-143965/REB 92-01 PC **A03**/MF **A01**

What Can Be Learnt from Protocols Relating to Non-Pharmaceuticals.
PB92-150424/REB 92-01 PC **A03**/MF **A01**

Vertebrate Toxicology of the Solubilized Parasporal Crystalline Proteins of 'Bacillus thuringiensis' Subsp. 'israelensis'.
PB92-150507/REB 92-01 PC **A03**/MF **A01**

Formation of Hemoglobin Adducts of Acrylamide and Its Epoxide Metabolite Glycidamide in the Rat.
PB92-150523/REB 92-01 PC **A03**/MF **A01**

Predicting the Toxicity of Bulk Sediments to Aquatic Organisms with Aqueous Test Fractions: Pore Water versus Elutriate.
PB92-150606/REB 92-01 PC **A02**/MF **A01**

Contribution of Ammonia, Metals and Nonpolar Organic Compounds to the Toxicity of Sediment Interstitial Water from an Illinois River Tributary.
PB92-150648/REB 92-01 PC **A03**/MF **A01**

DNA Adducts of the Antitumor Agent Diaziquone.
PB92-150739/REB 92-01 PC **A02**/MF **A01**

Effect of Inhaled Methanol on Pituitary and Testicular Hormones in Chamber Acclimated and Non-Acclimated Rats.
PB92-150788/REB 92-01 PC **A03**/MF **A01**

Fungicide Benomyl(Methyl 1-(Butylcarbamoyl)-2-Benzimidazolecarbamate) Causes Testicular Dysfunction by Inducing the Sloughing of Germ Cells and Occlusion of Efferent Ductules.
PB92-150796/REB 92-01 PC **A03**/MF **A01**

Assessing Developmental Hazard. The Reliability of the A/D Ratio.
PB92-150838/REB 92-01 PC **A03**/MF **A01**

90-Day Toxicity Study of Dichloroacetate in Dogs.
PB92-150853/REB 92-01 PC **A03**/MF **A01**

Myelin Basic Protein-Messenger RNA (MBP-mRNA) Expression during Triethyltin-Induced Myelin Edema.
PB92-150861/REB 92-01 PC **A03**/MF **A01**

Effects of Chemically Induced Maternal Toxicity on Prenatal Development in the Rat.
PB92-150887/REB 92-01 PC **A02**/MF **A01**

Comparisons of the Effects of TCDD and Hydrocortisone on Growth Factor Expression Provide Insight into Their Interaction in the Embryonic Mouse Palate.
PB92-158641/REB 92-01 PC **A03**/MF **A01**

Intersubject Variability in Human Acute Ozone Responsiveness. Symposium Proceedings.
PB92-158666/REB 92-01 PC **A02**/MF **A01**

Interspecies Sensitivity to Chemical Carcinogens: Relationships between Mouse Skin Tumors and Human Lung Cancer.
PB92-158674/REB 92-01 PC **A03**/MF **A01**

Health Effects and Dose-Response Assessment for Hydrogen Chloride Following Short-Term Exposure.
PB92-161959/REB 92-01 PC **A05**/MF **A01**

Reversibility of Tributyltin-Induced Toxicity in vitro as a Function of Concentration and Duration of Exposure (C X T).
PB92-164854/REB 92-01 PC **A03**/MF **A01**

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PB92-164912/REB 92-01 PC **A03**/MF **A01**

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PB92-164920/REB 92-01 PC **A03**/MF **A01**

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PB92-169655/REB 92-04 PC **A06**/MF **A02**

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PB92-198621/REB 92-04 PC **A06**/MF **A02**

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PB92-206283/REB 92-04 PC **A03**/MF **A01**

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PB92-227578/REB 92-04 PC **A02**/MF **A01**

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PB92-227594/REB 92-04 PC **A03**/MF **A01**

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PB92-227610/REB 92-04 PC **A01**/MF **A01**

Technical Guidance Manual for Performing Waste Load Allocations. Book 4. Lakes, Reservoirs and Impoundments. Chapter 3: Toxic Substances Impact.
PB92-231760/REB 92-04 PC **A14**/MF **A03**

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PB92-500453/REB 92-01 CP **T02**

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PB92-500479/REB 92-01 CP **T02**

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PB92-501899/REB 92-01 CP **D04**

Statistical Approach to Predicting Chronic Toxicity of Chemicals to Fishes from Acute Toxicity Test Data (for Microcomputers).
PB92-503119/REB 92-04 CP **D02**

Risk Assessment Guidance for Superfund. Volume 1. Human Health Evaluation Manual (Part B).
PB92-963339/REB 92-01 PC **A02**/MF **A01**

Risk Assessment Guidance for Superfund. Volume 1. Human Health Evaluation Manual (Part C).
PB92-963340/REB 92-01 PC **A02**/MF **A01**

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PB92-100072/REB 92-01 PC **A05**/MF **A01**

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OSWER Source Book: Training and Technology Transfer Resources.
PB92-102169/REB 92-01 PC **A13**/MF **A03**

TRAINING MANUALS

Pesticide Applicator Training Materials: A Bibliography.
PB92-780873/REB 92-01 PC**$97.50**/MF**$42.50**

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PB92-227503/REB 92-04 PC **A03**/MF **A01**

Corticosterone Hypersecretion in Preweanling Rats Exposed Neonatally to Trimethyltin.
PB92-227529/REB 92-04 PC **A02**/MF **A01**

TRIMETHYLTIN COMPOUNDS

Neonatal Exposure to Trimethyltin Disrupts Spatial Delayed Alternation Learning in Preweanling Rats.
PB92-124718/REB 92-01 PC **A02**/MF **A01**

Myelin Basic Protein-Messenger RNA (MBP-mRNA) Expression during Triethyltin-Induced Myelin Edema.
PB92-150861/REB 92-01 PC **A03**/MF **A01**

TRIPHENYL PHOSPHITE

Triphenyl Phosphite-Induced Ultrastructural Changes in Bovine Adrenomedullary Chromaffin Cells.
PB92-209337/REB 92-04 PC **A03**/MF **A01**

TROPICAL REGIONS

Life History and Toxicological Comparisons of Temperate and Subtropical Mysids.
PB92-124304/REB 92-01 PC **A03**/MF **A01**

TROPOSPHERE

Variable Phase Function Approach for the Inversion of Lidar Return Signals.
N92-31073/9/REB 92-04
(Order as N92-31013/5/REB, PC **A16**/MF **A03**)

Tropospheric Nitrogen: The Influence of Anthropogenic Sources on Distribution and Deposition.
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Determination of Rates of Reaction in the Gas-Phase in the Troposphere. Theory and Practice. 3. Rate of Indirect Photoreaction.
PB92-150374/REB 92-01 PC **A11**/MF **A03**

Determination of Rates of Reaction in the Gas-Phase in the Troposphere. Theory and Practice. 4. Rate of Indirect Photoreaction.
PB92-150382/REB 92-01 PC **A05**/MF **A01**

Stability of Tropospheric OH during Ice Ages, Inter-Glacial Epochs and Modern Times.
PB92-166669/REB 92-01 PC **A02**/MF **A01**

TROUT

Physiologically Based Toxicokinetic Model for the Uptake and Disposition of Waterborne Organic Chemicals in Fish.
PB92-136902/REB 92-01 PC **A03**/MF **A01**

Hepatic Microsomal N-hydroxylation of Aniline and 4-chloroaniline by Rainbow Trout 'Onchorhyncus mykiss'.
PB92-227354/REB 92-04 PC **A03**/MF **A01**

TWO PHASE FLOW

New Two-Phase Flow and Transport Model with Interphase Mass Exchange.
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Evaluation of Research Prototype Vehicles Equipped with Direct Injection Two-Stroke Cycle Engines.
PB92-143692/REB 92-01 PC **A03**/MF **A01**

TYROSINE HYDROXYLASE

Measurement of Tyrosine Hydroxylase Apoenzyme Protein by Enzyme-Linked Immunosorbent Assay (ELISA): Effects of 1-Methyl-4-Phenyl-1,2,3,6-Tetrahydropyridine (MPTP) on Striatal Tyrosine Hydroxylase Activity and Content.
PB92-209345/REB 92-04 PC **A02**/MF **A01**

UAM POSTPROCESSING SYSTEM

User's Guide for the Urban Airshed Model. Volume 6. User's Manual for the Postprocessing System.
PB92-145382/REB 92-01 PC **A06**/MF **A02**

ULTRAVIOLET RADIATION

Applicability of UV/Oxidation Technologies to Treat Contaminated Groundwater.
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UNDERGROUND STORAGE

Volumetric Leak Detection in Large Underground Storage Tanks. Volume 1.
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Volumetric Leak Detection in Large Underground Storage Tanks. Volume 2. Appendices A through E.
PB92-114974/REB 92-01 PC **A05**/MF **A01**

Technical Aspects of Underground Storage Tank Closure.
PB92-161199/REB 92-01 PC **A04**/MF **A01**

Remediation of Leaking USTs: A System for Accessing Case Histories and Related Documents.
PB92-179803/REB 92-01 PC **A02**/MF **A01**

Underground Storage Tanks on Indian Lands. Education Moderates: An Environmental Treat.
PB92-179860/REB 92-01 PC **A02**/MF **A01**

Leaking Underground Storage Tanks and Health: Understanding Health Risks from Petroleum Contamination.
PB92-184969/REB 92-01 PC **A03**/MF **A01**

UNITED STATES

Impact of Conservation Tillage Use on Soil and Atmospheric Carbon in the Contiguous United States.
PB92-113448/REB 92-01 PC **A03**/MF **A01**

Another Look: National Survey of Pesticides in Drinking Water Wells. Phase 2 Report.
PB92-120831/REB 92-01 PC **E05**/MF **A03**

Effects of Ozone on Crops.
PB92-136845/REB 92-01 PC **A03**/MF **A01**

Prevention of Waterborne Cholera in the United States.
PB92-136886/REB 92-01 PC **A02**/MF **A01**

National Air Quality and Emissions Trends Report, 1990.
PB92-141555/REB 92-01 PC **A07**/MF **A02**

National Air Pollutant Emission Estimates 1940-1990.
PB92-152859/REB 92-01 PC **A05**/MF **A02**

Air Quality Atlas.
PB92-190248/REB 92-01 PC **A03**/MF **A01**

Characterization of Municipal Solid Waste in the United States: 1992 Update.
PB92-207166/REB 92-04 PC **A07**/MF **A02**

Feasibility of Including Regional and Temporal VOC Emissions Estimates in the EPA Emissions Trends Report.
PB92-216910/REB 92-04 PC **A04**/MF **A01**

General Information on Applying for Registration of Pesticides in the United States. Second Edition.
PB92-221811/REB 92-04 PC **A13**/MF **A03**

RED Facts: Citric Acid.
PB92-221837/REB 92-04 PC **A01**/MF **A01**

Data User's Guide to the United States Environmental Protection Agency's Long-Term Monitoring Project: Quality Assurance Plan and Data Dictionary.
PB92-239573/REB 92-04 PC **A06**/MF **A02**

NPL Characterization Project: National Results.
PB92-963304/REB 92-01 PC **A07**/MF **A02**

CERCLIS Characterization Project: National Results.
PB92-963315/REB 92-01 PC **A06**/MF **A02**

UNITED STATES GOVERNMENT

Guide to Selected National Environmental Statistics in the U.S. Government.
PB92-201144/REB 92-04 PC **A05**/MF **A02**

National Water Quality Inventory: 1990 Report to Congress.
PB92-227800/REB 92-04 PC **A11**/MF **A03**

UNLEADED GASOLINE

Composition of Motor Vehicle Organic Emissions under Elevated Temperature Summer Driving Conditions (75 to 105 deg F).
PB92-166693/REB 92-01 PC **A02**/MF **A01**

URBAN AIR TOXICS MONITORING PROGRAM

Urban Air Toxics Monitoring Program Carbonyl Results, 1990.
PB92-110030/REB 92-01 PC **A07**/MF **A02**

URBAN AIRSHED MODEL

Guideline for Regulatory Application of the Urban Airshed Model.
PB92-108760/REB 92-01 PC **A05**/MF **A01**

New Developments in Emission Projection Methodologies.
PB92-139393/REB 92-01 PC **A02**/MF **A01**

User's Guide for the Urban Airshed Model. Volume 6. User's Manual for the Postprocessing System.
PB92-145382/REB 92-01 PC **A06**/MF **A02**

User's Guide for the Urban Airshed Model. Volume 7. User's Manual for the Performance Evaluation System.
PB92-224849/REB 92-04 PC **A07**/MF **A02**

URBAN AREAS

Guideline for Regulatory Application of the Urban Airshed Model.
PB92-108760/REB 92-01 PC **A05**/MF **A01**

Modeling of Nonpoint Source Water Quality in Urban and Non-urban Areas.
PB92-109115/REB 92-01 PC **A05**/MF **A01**

Urban Air Toxics Monitoring Program, 1990.
PB92-110022/REB 92-01 PC **A13**/MF **A03**

Urban Air Toxics Monitoring Program Carbonyl Results, 1990.
PB92-110030/REB 92-01 PC **A07**/MF **A02**

14C Source Apportionment Technique Applied to Wintertime Urban Aerosols and Gases for the EPA Integrated Air Cancer Project.
PB92-171370 92-01 Not available NTIS

Evaluation of High Volume Particle Sampling and Sample Handling Protocols for Ambient Urban Air Mutagenicity Determinations.
PB92-188952/REB 92-01 PC **A02**/MF **A01**

Guideline for Regulatory Application of the Urban Airshed Model for Areawide Carbon Monoxide. Volume 1. Technical Report.
PB92-213222/REB 92-04 PC **A04**/MF **A01**

Guideline for Regulatory Application of the Urban Airshed Model for Areawide Carbon Monoxide. Volume 2. Appendices.
PB92-213230/REB 92-04 PC **A04**/MF **A01**

Rethinking the Ozone Problem in Urban and Regional Air Pollution.
PB92-223221/REB 92-04 PC **A22**/MF **A04**

User's Guide for the Urban Airshed Model. Volume 4. User's Manual for the Emissions Preprocessor System 2.0. Part A: Core FORTRAN System.
PB92-226232/REB 92-04 PC **A19**/MF **A04**

URETHANES

Role of Metallothionein Induction and Altered Zinc Status in Maternally Mediated Developmental Toxicity: Comparison of the Effects of Urethane and Styrene in Rats.
PB92-124635/REB 92-01 PC **A03**/MF **A01**

US DOD

Base Realignment and Closure 'How-to' Manual for Compliance with the National Environment Policy Act.
PB92-146281/REB 92-01 PC **A15**/MF **A03**

US EPA

EPA Publications Bibliography 1984-1990. Part 1. Report Summaries. Part 2. Indexes.
PB91-205500/REB 92-01 PC**$200.00**

Superfund Program: Ten Years of Progress.
PB91-921286/REB 92-01 PC **A04**/MF **A01**

Risk Assessment, Management, Communication: A Guide to Selected Sources. Volume 4, Number 1.
PB92-114412/REB 92-01 PC **A07**/MF **A02**

EPA Journal Holdings Report, 1991.
PB92-132810/REB 92-01 PC **A12**/MF **A03**

U.S. EPA's Research on Life-Cycle Analysis.
PB92-179878/REB 92-01 PC **A01**/MF **A01**

Considerations in the U.S. Environmental Protection Agency's Testing Approach for Mutagencity.
PB92-206341/REB 92-04 PC **A03**/MF **A01**

EPA Journal Holdings Report, 1992.
PB92-217728/REB 92-04 PC **A12**/MF **A03**

Guidance on Site Assessment Cooperative Agreements.
PB92-224385/REB 92-04 PC **A03**/MF **A01**

Preserving Our Future Today: Your Guide to the United States Environmental Protection Agency.
PB92-226190/REB 92-04 PC **A03**/MF **A01**

Risk Assessment, Management, Communication: A Guide to Selected Sources Volume 4, Number 2.
PB92-238518/REB 92-04 PC **A09**/MF **A02**

Enforcement Document Retrieval System (EDRS) - ASCII (1972-November 1991).
PB92-592210/REB 92-01 Subscription

Enforcement Document Retrieval System (EDRS) - EBCDIC (1972-November 1991).
PB92-592220/REB 92-01 Subscription

Enforcement Document Retrieval System (EDRS) Master File (1972-April 1992).
PB92-592380/REB 92-01 Subscription$1,440.00

Enforcement Document Retrieval System (EDRS) Update File (November 14, 1991 to April 22, 1992).
PB92-592390/REB 92-01 CP **T99**

Environmental Protection Agency Civil Enforcement Docket.
PB92-921700/REB 92-01 Subscription

OSWER Superfund Telephone Directory, October 1991.
PB92-963202/REB 92-01 PC **A03**/MF **A01**

OSWER Superfund Telephone Directory, May 1992.
PB92-963264/REB 92-01 PC **E02**

Correction of FY-92 Superfund Program Management *Manual Definitions.*
PB92-963266/REB 92-01 PC **A01**/MF **A01**

US EPA REGION

NPL Characterization Project: Region 8 Results.
PB92-963312/REB 92-01 PC **A05**/MF **A01**

US EPA REGION 1

NPL Characterization Project: Region 1 Results.
PB92-963305/REB 92-01 PC **A05**/MF **A01**

US EPA REGION 1-10

NPL Characterization Project: National Results.
PB92-963304/REB 92-01 PC **A07**/MF **A02**

US EPA REGION 2

NPL Characterization Project: Region 2 Results.
PB92-963306/REB 92-01 PC **A05**/MF **A01**

US EPA REGION 3

NPL Characterization Project: Region 3 Results.
PB92-963307/REB 92-01 PC **A05**/MF **A01**

US EPA REGION 4

NPL Characterization Project: Region 4 Results.
PB92-963308/REB 92-01 PC **A05**/MF **A01**

US EPA REGION 5

NPL Characterization Project: Region 5 Results.
PB92-963309/REB 92-01 PC **A05**/MF **A01**

CERCLIS Characterization Project: Region 5 Results.
PB92-963320/REB 92-01 PC **A05**/MF **A01**

US EPA REGION 6

NPL Characterization Project: Region 6 Results.
PB92-963310/REB 92-01 PC **A05**/MF **A01**

CERCLIS Characterization Project: Region 6 Results.
PB92-963321/REB 92-01 PC **A05**/MF **A01**

US EPA REGION 7

NPL Characterization Project: Region 7 Results.
PB92-963311/REB 92-01 PC **A05**/MF **A01**

CERCLIS Characterization Project: Region 7 Results.
PB92-963322/REB 92-01 PC **A05**/MF **A01**

US EPA REGION 9

NPL Characterization Project: Region 9 Results.
PB92-963313/REB 92-01 PC **A05**/MF **A01**

US EPA REGIONS

Regional Quality Control Guidance for NPL Candidate Sites.
PB92-963352/REB 92-01 PC **A04**/MF **A01**

US EPA REGIONS 1-10

Regional Assessment of Aquifer Vulnerability and Sensitivity in the Conterminous United States.
PB92-100148/REB 92-01 PC **A15**/MF **A03**

US SUPERFUND

Compendium of CERCLA ARARs fact sheets and directives.
DE92004878/REB 92-01 PC **A12**/MF **A03**

USER MANUALS

RCRA Permit Policy Compendium. Volume 1. User's Guide. Key Word Index.
PB92-111715/REB 92-01 PC **E10**

Vendor Information System for Innovative Treatment Technologies. User Manual (VISITT Version 1.0). Number 1.
PB92-221647/REB 92-04 PC **A03**/MF **A01**

U.S. EPA Nonpoint Source Information Exchange Computer Bulletin Board System (BBS). User's Manual.
PB92-228048/REB 92-04 PC **A04**/MF **A01**

USER MANUALS (COMPUTER PROGRAMS)

Volatile Organic Compound (VOC) and Particulate Matter (PM) Speciation Data System User's Manual, Version 1.4.
PB92-105527/REB 92-01 PC **A04**/MF **A01**

Permit Tracking System (PTS): A User's Manual.
PB92-105659/REB 92-01 PC **A08**/MF **A02**

SELCTV System Manual for SELCTV and REFER Databases and the SELCTV Data Management Program.
PB92-113455/REB 92-01 PC **A04**/MF **A01**

Natural Enemy Risk Assessment (NERISK) User's Manual.
PB92-114990/REB 92-01 PC **A03**/MF **A01**

Regional Oxidant Model (ROM) User's Guide. Part 4: The ROM System User Tutorial (Processor Network and Core Model).
PB92-120872/REB 92-01 PC **A10**/MF **A03**

Hazardous Air Pollutant Program (HAP-PRO). User's Manual (for Use with Version 1.0, January-September, 1990).
PB92-135904/REB 92-01 PC **A04**/MF **A01**

User's Guide for the Urban Airshed Model. Volume 6. User's Manual for the Postprocessing System.
PB92-145382/REB 92-01 PC **A06**/MF **A02**

Crosswalk/Air Toxic Emission Factor Data Base Management System User's Manual, Version 1.2.
PB92-145556/REB 92-01 PC **A11**/MF **A03**

Organic Contract Compliance Screening System. Software for the PC (OLM01.8 Version 1). User Manual.
PB92-145564/REB 92-01 PC **A06**/MF **A02**

Organic Contract Compliance Screening System. Software for the PC (SOW March 1990, Version 1). User Manual.
PB92-145572/REB 92-01 PC **A08**/MF **A02**

Organic Contract Compliance Screening System. Software for the PC (Version June 1990). User Manual.
PB92-145580/REB 92-01 PC **A08**/MF **A02**

Inorganic Contract Compliance Screening System Software for the PC (SOW March 1990 Version 1). User Manual.
PB92-145598/REB 92-01 PC **A07**/MF **A02**

EPCRA Section 313 Roadmaps Database. User's Manual. (Version 2.2) (for Microcomputers).
PB92-169523/REB 92-01 PC **A05**/MF **A01**

Organic Contract Compliance Screening System. Software for the PC (OLM01.8 Version 2) (User Manual).
PB92-169564/REB 92-04 PC **A06**/MF **A02**

ESP VI 4.0 Electrostatic Precipitator VI and Performance Prediction Model.
PB92-169614/REB 92-04 PC **A05**/MF **A01**

Human Exposure Model-II: User's Guide.
PB92-186246/REB 92-01 PC **A08**/MF **A02**

Gridded Model Information Support System (GMISS) User's Guide. Volume 3. Model Concentration Data Retrieval Subsystem.
PB92-190263/REB 92-01 PC **A05**/MF **A01**

Guide for Using the Empirical Kinetics Modeling Approach Interface (EKMAI).
PB92-196005/REB 92-01 PC **A03**/MF **A01**

User's Guide for the SYSPOP Program: A PC Version of the PRESTO-EPA-POP Operation System. Version 1.0.
PB92-213255/REB 92-04 PC **A11**/MF **A03**

User's Guide for the Urban Airshed Model. Volume 7. User's Manual for the Performance Evaluation System.
PB92-224849/REB 92-04 PC **A07**/MF **A02**

PA-Score Software, Version 1.0. Users Manual and Tutorial.
PB92-963302/REB 92-01 PC **A04**/MF **A01**

UTAH

National Priorities List Sites: Utah.
PB92-963215/REB 92-01 PC **A04**/MF **A01**

UTILIZATION

Suspended, Cancelled, and Restricted (SCR) Pesticides.
PB92-231240/REB 92-04 PC **A06**/MF **A02**

VACUUM CLEANERS

Asbestos Fiber Release during Change-Out of Filter Bags from HEPA-Filtered Vacuum Cleaners.
PB92-113208/REB 92-01 PC **A02**/MF **A01**

VADOSE WATER

RETC Code for Quantifying the Hydraulic Functions of Unsaturated Soils. Documentation.
PB92-119668/REB 92-01 PC **A05**/MF **A01**

RETC Code for Quantifying the Hydraulic Functions of Unsaturated Soils (for Microcomputers).
PB92-501329/REB 92-01 CP **D02**

VAGINAL SMEARS

Monitoring of the Estrous Cycle in the Laboratory Rodent by Vaginal Lavage.
PB92-179068/REB 92-01 PC **A03**/MF **A01**

VALIDATION

Evaluation of VOST and SemiVOST Methods for Halogenated Compounds in the Clean Air Act Amendments Title III, Bench and Laboratory Studies.
PB92-178979/REB 92-01 PC **A03**/MF **A01**

VAPOR PRESSURE

Vapor Pressures, Liquid Molar Volumes, Vapor Non-Idealities, and Critical Properties of Some Fluorinated Ethers: CF3OCF2OCF3, CF3OCF2CF2H, c-CF2CF2CF2O, CF3OCF2H, and CF3OCH3; and of CCl3F and CF2ClH.
PB92-179746/REB 92-01 PC **A03**/MF **A01**

VAPOR RECOVERY SYSTEMS

Technical Guidance: Stage II Vapor Recovery Systems for Control of Vehicle Refueling Emissions at Gasoline Dispensing Facilities, Volume 1: Chapters.
PB92-132844/REB 92-01 PC **A10**/MF **A03**

Technical Guidance: Stage II Vapor Recovery Systems for Control of Vehicle Refueling Emissions at Gasoline Dispensing Facilities. Volume 2: Appendices.
PB92-132851/REB 92-01 PC **A20**/MF **A04**

VAPORS

Guide for Conducting Treatability Studies under CERCLA: Soil Vapor Extraction. Quick Reference Fact Sheet.
PB92-231281/REB 92-04 PC **A02**/MF **A01**

VASOPRESSIN

Neural Factors in the Development of Renal Function: Effect of Neonatal Central Catecholaminergic Lesions with 6-Hydroxydopamine.
PB92-120492/REB 92-01 PC **A02**/MF **A01**

VEGETABLE CROPS

Protection of Tomatoes, Egg Plants, and Peppers: 1979-April 1991. Citations from AGRICOLA Concerning Diseases and Other Environmental Considerations.
PB92-140201/REB 92-01 PC **A11**/MF **A03**

VEGETATION

Evaluating the Utility of Natural Vegetation in Assessing Arctic Accumulation of Air Toxics.
PB92-103464/REB 92-01 PC **A08**/MF **A02**

Pilot Study to Compare Created and Natural Wetlands in Western Washington and Evaluate Methods.
PB92-136811/REB 92-01 PC **A04**/MF **A01**

Climate Change and Isoprene Emissions from Vegetation.
PB92-153865/REB 92-01 PC **A03**/MF **A01**

Potential Impacts of Climate Change on Pacific Northwest Forest Vegetation.
PB92-184985/REB 92-01 PC **A03**/MF **A01**

VEHICLE MILES TRAVELED

VMT Forecasting and Tracking Guidance, Section 187.
PB92-164961/REB 92-01 PC **A03**/MF **A01**

VENTILATION

Effect of Natural Ventilation on Radon and Radon Progeny Levels in Houses.
PB92-124148/REB 92-01 PC **A03**/MF **A01**

Natural Basement Ventilation as a Radon Mitigation Technique.
PB92-166958/REB 92-01 PC **A03**/MF **A01**

Measurement Solution: Using a Temporary Total Enclosure for Capture Efficiency Testing.
PB92-190271/REB 92-01 PC **A07**/MF **A02**

Effects of Natural and Forced Basement Ventilation on Radon Levels in Single Family Dwellings.
PB92-192194/REB 92-01 PC **A04**/MF **A01**

HVAC Systems in the Current Stock of U.S. K-12 Schools.
PB92-218338/REB 92-04 PC **A04**/MF **A01**

VENTING

Evaluation of Soil Venting Application. Ground Water Issue.
PB92-232362/REB 92-04 PC **A02**/MF **A01**

VERMICULITE

Health Assessment Document for Vermiculite.
PB92-166834/REB 92-01 PC **A03**/MF **A01**

VERMONT

National Priorities List Sites: Vermont.
PB92-963231/REB 92-01 PC **A04**/MF **A01**

VERTEBRATES

Vertebrate Toxicology of the Solubilized Parasporal Crystalline Proteins of 'Bacillus thuringiensis' Subsp. 'israelensis'.
PB92-150507/REB 92-01 PC **A03**/MF **A01**

VIRGINIA

National Priorities List Sites: Virginia.
PB92-963217/REB 92-01 PC **A05**/MF **A01**

VIRULENCE

Comparison of Animal Infectivity, Excystation, and Fluorogenic Dye as Measures of 'Giardia muris' Cyst Inactivation by Ozone.
PB92-124288/REB 92-01 PC **A02**/MF **A01**

VIRUSES

Model of Virus Transport in Unsaturated Soil.
PB92-119957/REB 92-01 PC **A07**/MF **A02**

Preliminary Risk Assessment for Viruses in Municipal Sewage Sludge Applied to Land.
PB92-198548/REB 92-01 PC **A09**/MF **A03**

VISITT (VENDOR INFORMATION SYSTEM FOR INNOVATIVE TREATMENT TECHNOLOGY)

Vendor Information System for Innovative Treatment Technologies. User Manual (VISITT Version 1.0). Number 1.
PB92-221647/REB 92-04 PC **A03**/MF **A01**

VISUAL EVOKED POTENTIAL

Alterations in Rat Flash and Pattern Reversal Evoked Potentials after Acute or Repeated Administration of Carbon Disulfide (CS2).
PB92-188929/REB 92-01 PC **A03**/MF **A01**

VITRIFICATION

Comparison of In situ Vitrification and Rotary Kiln Incineration for Soils Treatment.
PB92-113174/REB 92-01 PC **A02**/MF **A01**

Vitrification Technologies for Treatment of Hazardous and Radioactive Waste.
PB92-201110/REB 92-04 PC **A05**/MF **A01**

Technology Evaluation Report: Babcock and Wilcox Cyclone Furnace Vitrification Technology. Volume 1.
PB92-222215/REB 92-04 PC **A06**/MF **A02**

Technology Evaluation Report: Babcock and Wilcox Cyclone Furnace Vitrification Technology. Volume 2.
PB92-222223/REB 92-04 PC **A15**/MF **A03**

VOLATILE ORGANIC COMPOUNDS

Guides to Pollution Prevention: The Fiberglass-Reinforced and Composite Plastics Industry.
PB91-227967/REB 92-01 PC **A04/MF A01**

Volatile Organic Compound (VOC) and Particulate Matter (PM) Speciation Data System User's Manual, Version 1.4.
PB92-105527/REB 92-01 PC **A04/MF A01**

Production of Carbon Monoxide by the Homogeneous NOx-Induced Photooxidation of Volatile Organic Compounds in the Troposphere.
PB92-110576/REB 92-01 PC **A03/MF A01**

Method 25: Determination of Total Gaseous Non-Methane Organic Emissions as Carbon from Stationary Sources.
PB92-113026/REB 92-01 PC **A07/MF A02**

Carpet Policy Dialogue. Compendium Report, September 27, 1991.
PB92-115005/REB 92-01 PC **A99/MF A06**

Evaluation of VOC Emissions from Heated Roofing Asphalt.
PB92-115286/REB 92-01 PC **A04/MF A01**

Bioventing to Treat Fuel Spills from Underground Storage Tanks.
PB92-121342/REB 92-01 PC **A02/MF A01**

Technical Assistance Document for Sampling and Analysis of Ozone Precursors.
PB92-122795/REB 92-01 PC **A09/MF A02**

Source Reconciliation of Ambient Volatile Organic Compounds Measured in the Atlanta 1990 Summer Study: The Mobile Source Component.
PB92-124130/REB 92-01 PC **A03/MF A01**

U.S. EPA SITE Demonstration of AWD Technologies' AquaDetox/SVE System.
PB92-124387/REB 92-01 PC **A02/MF A01**

Superfund Innovative Technology Evaluation: The Delaware SITE Study, 1989.
PB92-125749/REB 92-01 PC **A08/MF A02**

Technical Guidance: State II Vapor Recovery Systems for Control of Vehicle Refueling Emissions at Gasoline Dispensing Facilities Volume 1: Chapters.
PB92-132844/REB 92-01 PC **A10/MF A03**

Air/Superfund National Technical Guidance Study Series: Estimation of Air Impacts for Soil Vapor Extraction (SVE) Systems.
PB92-143676/REB 92-01 PC **A03/MF A01**

Enhanced Ozone Monitoring Network Design and Siting Criteria Guidance Document.
PB92-145390/REB 92-01 PC **A04/MF A01**

Assessment of VOC Emissions and Their Control from Baker's Yeast Manufacturing Facilities.
PB92-145408/REB 92-01 PC **A04/MF A01**

Solvent Use Emissions Estimation Methodologies: Future Implications.
PB92-150440/REB 92-01 PC **A03/MF A01**

Enabling Document for New Source Performance Standards for Air Oxidation Processes and Distillation Operations in the Synthetic Organic Chemical Manufacturing Industry.
PB92-161967/REB 92-01 PC **A04/MF A01**

Exposure of Humans to a Volatile Organic Mixture. 2. Sensory.
PB92-164888/REB 92-01 PC **A03/MF A01**

Evaluation of Gas Chromatography/Matrix Isolation Infrared Spectrometry for the Determination of Semivolatile Organic Compounds in Air Sample Extracts.
PB92-166651/REB 92-01 PC **A03/MF A01**

Improved Method for Estimating Molecular Weights of Volatile Organic Compounds from Low Resolution Mass Spectra.
PB92-166685/REB 92-01 PC **A03/MF A01**

Theoretical Evaluation of Stability of Volatile Organic Chemicals and Polar Volatile Organic Chemicals in Canisters.
PB92-166941/REB 92-01 PC **A03/MF A01**

Guideline Series: Control of Volatile Organic Compound Emissions from Reactor Processes and Distillation Operations Processes in the Synthetic Organic Chemical Manufacturing Industry.
PB92-180009/REB 92-01 PC **A09/MF A03**

Stability of Air Toxic Gases Listed in Title III Clean Air Act Amendments.
PB92-188812/REB 92-01 PC **A03/MF A01**

Exposure of Humans to a Volatile Organic Mixture. 1. Behavioral Assessment.
PB92-189018/REB 92-01 PC **A02/MF A01**

Control of VOC Emissions from Ink and Paint Manufacturing Processes.
PB92-190230/REB 92-01 PC **A09/MF A02**

Measurement Solution: Using a Temporary Total Enclosure for Capture Efficiency Testing.
PB92-190271/REB 92-01 PC **A07/MF A02**

VOC Prevention Options for Surface Coating.
PB92-198266/REB 92-04 PC **A03/MF A01**

Long-Path FTIR Measurements of Volatile Organic Compounds in an Industrial Setting (July 1989-April 1991).
PB92-206424/REB 92-04 PC **A02/MF A01**

Canister-Based Method for Monitoring Toxic VOCs in Ambient Air.
PB92-206432/REB 92-04 PC **A03/MF A01**

Surface-Coating-Free Materials and Reduction of VOC Emissions from Coating Operations.
PB92-206614/REB 92-04 PC **A03/MF A01**

Corona Destruction: An Innovative Control Technology for VOCs and Air Toxics.
PB92-206622/REB 92-04 PC **A03/MF A01**

Feasibility of Including Regional and Temporal VOC Emissions Estimates in the EPA Emissions Trends Report.
PB92-216910/REB 92-04 PC **A04/MF A01**

Exposure of Humans to a Volatile Organic Mixture. 3. Inflammatory Response.
PB92-217223/REB 92-04 PC **A02/MF A01**

Soil Vapor Extraction Column Experiments on Gasoline Contaminated Soil.
PB92-226430/REB 92-04 PC **A05/MF A01**

Control of VOC Emissions from Nonferrous Metal Rolling Processes.
PB92-227677/REB 92-04 PC **A05/MF A01**

Evaporation Rate of Volatile Liquids. Final Report, Second Edition.
PB92-232305/REB 92-04 PC **A09/MF A02**

Volatile Organic Compound and Particulate Matter (VOC/PM) Speciation Data Base Management System (SPECIATE), Version 1.4 (for Microcomputers).
PB92-500354/REB 92-01 CP **D02**

Superfund Record of Decision (EPA Region 2): Circuitron Corporation, East Farmingdale, Suffolk County, NY. (First Remedial Action), March 1991.
PB92-963830/REB 92-04 PC **A05/MF A01**

Superfund Record of Decision (EPA Region 2): Juncos Landfill, Juncos, PR. (First Remedial Action), September 1991.
PB92-963831/REB 92-04 PC **A05/MF A02**

Superfund Record of Decision (EPA Region 2): Swope Oil and Chemical Company, Pennsauken Township, Camden County, NJ. (Second Remedial Action), September 1991.
PB92-963833/REB 92-04 PC **A07/MF A02**

Superfund Record of Decision (EPA Region 2): Garden State Cleaners, Buena Borough, Atlantic County, NJ. (First Remedial Action), September 1991.
PB92-963834/REB 92-04 PC **A04/MF A01**

Superfund Record of Decision (EPA Region 3): Modern Sanitation Landfill, Windsor and Lower Windsor Townships, York County, PA. (First Remedial Action), June 1991.
PB92-963931/REB 92-04 PC **A04/MF A01**

Superfund Record of Decision (EPA Region 5): Better Brite Plating Chrome and Zinc, De Pere, WI. (First Remedial Action), June 1991.
PB92-964139/REB 92-04 PC **A03/MF A01**

Superfund Record of Decision (EPA Region 5): Kentwood Landfill, Kentwood, MI. (First Remedial Action), March 1991.
PB92-964140/REB 92-04 PC **A04/MF A01**

Superfund Record of Decision (EPA Region 5): Southeast Rockford Groundwater Contamination, Rockford, IL. (First Remedial Action), June 1991.
PB92-964141/REB 92-04 PC **A03/MF A01**

Superfund Record of Decision (EPA Region 8): Chemical Sales, (New Location), (Operable Unit 3), Adams County, CO. (Third Remedial Action), June 1991.
PB92-964410/REB 92-04 PC **A09/MF A02**

Superfund Record of Decision (EPA Region 9): Mesa Area Ground Water Contamination, Mesa, AZ. (First Remedial Action), September 1991.
PB92-964514/REB 92-04 PC **A03/MF A01**

VOLATILITY

Fuel Volatility Effects on Exhaust Emissions.
PB92-110014/REB 92-01 PC **A03/MF A01**

VOLUMETRIC ANALYSIS

Volumetric Leak Detection in Large Underground Storage Tanks. Volume 1.
PB92-114966/REB 92-01 PC **A05/MF A01**

Volumetric Leak Detection in Large Underground Storage Tanks. Volume 2. Appendices A through E.
PB92-114974/REB 92-01 PC **A05/MF A01**

VOLUNTEER LAKE MONITORING PROGRAM

Volunteer Lake Monitoring Program, 1991. Volume 1: Statewide Summary Report.
PB92-222512/REB 92-04 PC **A06/MF A02**

Volunteer Lake Monitoring Program, 1991. Volume 6. Southwestern Illinois Region.
PB92-222876/REB 92-04 PC **A04/MF A01**

VOLUNTEERS

Chesapeake Bay Citizen Monitoring Program Report Conestoga River (October 1986-June 1990).
PB92-217801/REB 92-04 PC **A03/MF A01**

Volunteer Lake Monitoring: A Methods Manual.
PB92-218411/REB 92-04 PC **A07/MF A02**

WALKER (MICHIGAN)

Superfund Record of Decision (EPA Region 5): Folkertsma Refuse Site, Walker, MI. (First Remedial Action), June 1991.
PB92-964108/REB 92-01 PC **A05/MF A01**

WALNUT TREES

Diurnal Water Relations of Walnut Trees: Implications for Remote Sensing.
PB92-144047/REB 92-01 PC **A03/MF A01**

WARFARIN

Reregistration Eligibility Document (RED): Warfarin.
PB92-126739/REB 92-01 PC **A04/MF A01**

Reregistration Eligibility Document (RED): Warfarin. Appendices C-H.
PB92-126747/REB 92-01 PC **A06/MF A02**

RED Facts: Warfarin.
PB92-126754/REB 92-01 PC **A02/MF A01**

WARMING

Three Case Studies of Lake Temperature and Stratification Response to Warmer Climate.
PB92-121391/REB 92-01 PC **A03/MF A01**

WASHERS (CLEANERS)

Automated Aqueous Rotary Washer for the Metal Finishing Industry, Technology Evaluation Report.
PB92-232214/REB 92-04 PC **A04/MF A01**

WASHING

Citizen's Guide to Soil Washing.
PB92-233097/REB 92-04 PC **A02/MF A01**

WASHINGTON COUNTY (MINNESOTA)

Superfund Record of Decision (EPA Region 5): Washington County Landfill, Lake Elmo, MN. (Second Remedial Action), November 1990.
PB92-964113/REB 92-01 PC **A05/MF A01**

WASHINGTON (STATE)

Pilot Study to Compare Created and Natural Wetlands in Western Washington and Evaluate Methods.
PB92-136811/REB 92-01 PC **A04/MF A01**

Beyond the Border: Environmental Management in Washington and British Columbia.
PB92-166883/REB 92-01 PC **A08/MF A02**

National Priorities List Sites: Washington.
PB92-963244/REB 92-01 PC **A07/MF A02**

WASTE DISPOSAL

Superfund Record of Decision (EPA Region 4): Jadco-Hughes Site, North Belmont, NC. (First Remedial Action), September 1990.
PB91-921565/REB 92-01 PC **A17/MF A03**

Superfund Record of Decision (EPA Region 3): Hranica Landfill, Buffalo Township, PA. (First Remedial Action), June 1990.
PB91-921566/REB 92-01 PC **A03/MF A01**

Regulatory Impact Analysis for the Final Criteria for Municipal Solid Waste Landfills.
PB92-100841/REB 92-01 PC **A13/MF A03**

Addendum to the Regulatory Impact Analysis for the Final Criteria for Municipal Solid Waste Landfills.
PB92-100858/REB 92-01 PC **A03/MF A01**

Analysis of Factors Affecting Methane Gas Recovery from Six Landfills.
PB92-101351/REB 92-01 PC **A13/MF A03**

Technical Guidance Document: Inspection Techniques for the Fabrication of Geomembrane Field Seams.
PB92-109057/REB 92-01 PC **A08/MF A02**

Superfund Engineering Issue: Issues Affecting the Applicability and Success of Remedial/Removal Incineration Projects.
PB92-109081/REB 92-01 PC **A03/MF A01**

Trace Metal Fate in a Rotary Kiln Incinerator with an Ionizing Wet Scrubber (Journal Article).
PB92-110568/REB 92-01 PC **A02/MF A01**

Reduction of Hexachloroethane and Carbon Tetrachloride at Surfaces of Biotite, Vermiculite, Pyrite, and Marcasite.
PB92-113141/REB 92-01 PC **A03/MF A01**

Combustion Control of Trace Organic Air Pollutants from Municipal Waste Combustors.
PB92-113158/REB 92-01 PC **A03/MF A01**

Comparison of In situ Vitrification and Rotary Kiln Incineration for Soils Treatment.
PB92-113174/REB 92-01 PC **A02/MF A01**

Fuel Cell Energy Recovery from Landfill Gas.
PB92-121235/REB 92-01 PC **A03/MF A01**

Cleaning of Flue Gases from Waste Combustors, 1990.
PB92-121300/REB 92-01 PC **A03/MF A01**

Role of Gas-Phase Cl2 in the Formation of PCDD/PCDF during Waste Combustion.
PB92-121383/REB 92-01 PC **A02/MF A01**

Environmental Profiles and Hazard Indices for Constituents of Municipal Sludge: Mercury.
PB92-122977/REB 92-01 PC **A05/MF A01**

Environmental Profiles and Hazard Indices for Constituents of Municipal Sludge: Lead.
PB92-122985/REB 92-01 PC **A05/MF A01**

Environmental Profiles and Hazard Indices for Constituents of Municipal Sludge: Beryllium.
PB92-122993/REB 92-01 PC **A03/MF A01**

Environmental Profiles and Hazard Indices for Constituents of Municipal Sludge: Nickel.
PB92-123009/REB 92-01 PC **A05/MF A01**

Construction, Monitoring, and Performance of Two Soil Liners.
PB92-124049/REB 92-01 PC **A07/MF A02**

Superfund Innovative Technology Evaluation: The Delaware SITE Study, 1989.
PB92-125749/REB 92-01 PC **A08/MF A02**

Bench-Scale Evaluation of Alternative Biological Treatment Processes for the Remediation of Pentachlorophenol- and Creosote-Contaminated Materials: Slurry-Phase Bioremediation.
PB92-129683/REB 92-01 PC **A02**/MF **A01**

Evaluation of Waste Stabilized by the Soliditech SITE Technology.
PB92-136878/REB 92-01 PC **A02**/MF **A01**

Limited-Use Chemical Protective Clothing for EPA Superfund Activities.
PB92-143494/REB 92-01 PC **A03**/MF **A01**

Effects of pH, Solid/Solution Ratio, Ionic Strength, and Organic Acids on Pb and Cd Sorption on Kaolinite.
PB92-143981/REB 92-01 PC **A02**/MF **A01**

Emission Factor Documentation for AP-42 Section 2.1.1., Municipal Waste Combustion.
PB92-152867/REB 92-01 PC **A15**/MF **A03**

Development of an Empirical Model of Methane Emissions from Landfills.
PB92-152875/REB 92-01 PC **A06**/MF **A02**

Biological Activity and Potential Remediation Involving Geotextile Landfill Leachate Filters.
PB92-153451/REB 92-01 PC **A03**/MF **A01**

Environmental Protection Agency's Municipal Solid Waste Landfill Liner Design Criteria.
PB92-153766/REB 92-01 PC **A02**/MF **A01**

Proximity of Louisiana Sanitary Landfills to Wetlands and Deepwater Habitats.
PB92-164953/REB 92-01 PC **A02**/MF **A01**

General Methods for Remedial Operations Performance Evaluations.
PB92-166842/REB 92-01 PC **A03**/MF **A01**

Annual Risk Reduction Engineering Laboratory Research Symposium (18th) Abstract Proceedings. Held in Cincinnati, Ohio on April 14-16, 1992.
PB92-166859/REB 92-01 PC **A11**/MF **A03**

Pilot-Scale Evaluation of the Thermal Stability POHC Incinerability Ranking.
PB92-166966/REB 92-01 PC **A11**/MF **A03**

Proceedings: 1989 International Conference on Municipal Waste Combustion. Volume 1. Sessions 0, 1, 2, and 3. Held in Hollywood, Florida, on April 11-14, 1989.
PB92-174663/REB 92-01 PC **A19**/MF **A04**

Proceedings: 1989 International Conference on Municipal Waste Combustion. Volume 2. Sessions 4, 5, and 6. Held in Hollywood, Florida on April 11-14, 1989.
PB92-174671/REB 92-01 PC **A19**/MF **A04**

Proceedings: 1989 International Conference on Municipal Waste Combustion. Volume 3. Sessions 7 and 8. Held in Hollywood, Florida, on April 11-14, 1989.
PB92-174689/REB 92-01 PC **A19**/MF **A04**

Proceedings: 1989 International Conference on Municipal Waste Combustion. Volume 4. Sessions 9, 10, 11, and 12. Held in Hollywood, Florida on April 11-14, 1989.
PB92-174697/REB 92-01 PC **A21**/MF **A04**

Dense Nonaqueous Phase Liquids: A Workshop Summary. Held in Dallas, Texas on April 16-18, 1991.
PB92-178938/REB 92-01 PC **A05**/MF **A01**

Pilot-Scale Incineration of PCB-Contaminated Sediments from the New Bedford Harbor Hot Spot Superfund Site.
PB92-178953/REB 92-01 PC **A09**/MF **A03**

Innovative Treatment Technologies: Overview and Guide to Information Sources.
PB92-179001/REB 92-01 PC **A20**/MF **A04**

Incineration Data on Arsenic and Lead Emissions.
PB92-179043/REB 92-01 PC **A03**/MF **A01**

Distribution, Speciation, and Transformation of Chromium in Contaminated Soils and Aquifer Sediments.
PB92-179092/REB 92-01 PC **A02**/MF **A01**

Behavior of Arsenic in a Rotary Kiln Incinerator (Journal Version).
PB92-179845/REB 92-01 PC **A02**/MF **A01**

Superfund Record of Decision (EPA Region 1): Western Sand and Gravel, RI. (Second Remedial Action), September 1985.
PB92-183284/REB 92-04 PC **A04**/MF **A01**

Field Demonstration of the Linde Oxygen Combustion System on the EPA Mobile Incinerator.
PB92-188838/REB 92-01 PC **A02**/MF **A01**

Reducing Mercury Emission from Municipal Waste Combustion with Carbon Injection into Flue Gas.
PB92-195965/REB 92-04 PC **A03**/MF **A01**

Oil Tanker Waste Disposal Practices: A Review.
PB92-196047/REB 92-01 PC **A03**/MF **A01**

Landfill Leachate Effects on Transport of Organic Substances in Aquifer Materials (Chapter 16).
PB92-198225/REB 92-04 PC **A03**/MF **A01**

Landfill Leachate Effects on Sorption of Organic Micropollutants onto Aquifer Materials.
PB92-198597/REB 92-04 PC **A03**/MF **A01**

Comparison: Organic Emissions from Hazardous Waste Incinerators versus the 1990 Toxics Release Inventory Air Releases.
PB92-206267/REB 92-04 PC **A03**/MF **A01**

Technology Evaluation Report of Retech, Inc., Plasma Centrifugal Furnace. Volume 1.
PB92-216035/REB 92-04 PC **A09**/MF **A02**

Mutagenicity of Emissions from the Simulated Open Burning of Scrap Rubber Tires.
PB92-217009/REB 92-04 PC **A04**/MF **A01**

Comparison of the Incineration of Medical Waste with Hazardous and Municipal Waste.
PB92-217090/REB 92-04 PC **A03**/MF **A01**

Respirometric Methods for Determination of Biodegradability and Biodegradation Kinetics for Hazardous Organic Pollutant Compounds.
PB92-217108/REB 92-04 PC **A03**/MF **A01**

Geomembrane Anchorage Behavior Using a Large Scale Pullout Apparatus.
PB92-217124/REB 92-04 PC **A03**/MF **A01**

Application of Tradescantia Micronucleus Assay for In situ Evaluation of Potential Genetic Hazards from Exposure to Chemicals at a Wood-Preserving Site.
PB92-217231/REB 92-04 PC **A02**/MF **A01**

Environmental Laws and Regulations Relating to Medical Waste Disposal.
PB92-217249/REB 92-04 PC **A03**/MF **A01**

Retech, Inc., Plasma Centrifugal Furnace: Applications Analysis Report.
PB92-218791/REB 92-04 PC **A04**/MF **A01**

Pilot-Scale Incineration of PCB-Contaminated Sediments from the Hot Spot of the New Bedford Harbor Superfund Site.
PB92-227321/REB 92-04 PC **A02**/MF **A01**

EPA's Review and Approval Procedure for State Submitted TMDLs/WLAs.
PB92-231588/REB 92-04 PC **A03**/MF **A01**

Technical Guidance Manual for Performing Waste Load Allocations. Book 3: Estuaries. Part 1: Estuaries and Waste Load Allocation Models.
PB92-231729/REB 92-04 PC **A05**/MF **A01**

Technical Guidance Manual for Performing Waste Load Allocations. Book 3: Estuaries. Part 2: Application of Estuarine Waste Load Allocation Models.
PB92-231737/REB 92-04 PC **A06**/MF **A02**

Technical Guidance Manual for Performing Waste Load Allocations. Book 3: Estuaries. Part 3: Use of Mixing Zone Models in Estuarine Waste Load Allocations.
PB92-231745/REB 92-04 PC **A03**/MF **A01**

Technical Guidance Manual for Performing Waste Load Allocations. Book 3: Estuaries. Part 4: Critical Review of Estuarine WLA Modeling.
PB92-231752/REB 92-04 PC **A04**/MF **A01**

Technical Guidance Manual for Performing Wasteload Allocation. Book 6. Design Conditions. Chapter 1: Stream Design Flow for Steady-State Modeling.
PB92-231778/REB 92-04 PC **A04**/MF **A01**

Operations and Research at the U.S. EPA Incineration Research Facility: Annual Report for FY91.
PB92-239540/REB 92-04 PC **A06**/MF **A02**

Preliminary Ranking Evaluation Score (PREscore) Version 1.1 (for Microcomputers).
PB92-503507/REB 92-04 CP **D02**

Superfund Progress - Aficionado's Version (Progress as of March 31, 1992).
PB92-963267/REB 92-01 PC **A03**/MF **A01**

Superfund: Site Assessment and Remediation.
PB92-963300/REB 92-01 Standing Order

ROD Annual Report, FY1991. Volume 1.
PB92-963359/REB 92-01 PC **A99**/MF **A06**

ROD Annual Report, FY1991. Volume 2.
PB92-963360/REB 92-01 PC **A18**/MF **A04**

Superfund: Removals and Emergency Response.
PB92-963400/REB 92-01 Standing Order

Superfund: Technology and Analytical Services.
PB92-963500/REB 92-01 Standing Order

Superfund Record of Decision (EPA Region 1): Western Sand and Gravel Site, Burrillville and North Smithfield, RI. (Third Remedial Action), April 1991.
PB92-963701/REB 92-01 PC **A11**/MF **A03**

Superfund Record of Decision (EPA Region 1): Dover Municipal Landfill, Dover, NH. (First Remedial Action), September 1991.
PB92-963702/REB 92-01 PC **A13**/MF **A03**

Superfund Record of Decision (EPA Region 1): Union Chemical, South Hope, ME. (First Remedial Action), December 1990.
PB92-963703/REB 92-01 PC **A13**/MF **A03**

Superfund Record of Decision (EPA Region 1): Nyanza Chemical Waste Dump, Operable Unit 2, Ashland, MA. (Second Remedial Action), September 1991.
PB92-963704/REB 92-01 PC **A09**/MF **A02**

Superfund Record of Decision (EPA Region 1): Mottolo Pig Farm, Raymond, NH. (First Remedial Action), March 1991.
PB92-963705/REB 92-01 PC **A08**/MF **A02**

Superfund Record of Decision (EPA Region 1): Savage Municipal Water Supply, Milford, NH. (First Remedial Action), September 1991.
PB92-963706/REB 92-04 PC **A14**/MF **A03**

Superfund Record of Decision (EPA Region 1): Iron Horse Park, Billerica, MA. (Second Remedial Action), June 1991.
PB92-963707/REB 92-04 PC **A12**/MF **A03**

Superfund Record of Decision (EPA Region 1): Sullivan's Ledge Superfund Site, Middle Marsh Operable Unit, New Bedford, MA. (First Remedial Action), September 1991.
PB92-963708/REB 92-04 PC **A13**/MF **A03**

Superfund Record of Decision (EPA Region 1): Silresim Chemical, MA. (First Remedial Action), September 1991.
PB92-963709/REB 92-04 PC **A13**/MF **A03**

Superfund Record of Decision (EPA Region 1): Groveland Wells, Operable Unit 1, Groveland, MA. (Second Remedial Action), September 1991.
PB92-963710/REB 92-04 PC **A11**/MF **A03**

Superfund Record of Decision (EPA Region 2): C and J Disposal Site, Town of Eaton, Madison County, NY. (First Remedial Action), March 1991.
PB92-963801/REB 92-01 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 2): Endicott Village Wellfield, Broome County, Endicott, NY. (Second Remedial Action), March 1991.
PB92-963802/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 2): Genzale Plating Company, Franklin Square, Nassau County, NY. (First Remedial Action), March 1991.
PB92-963803/REB 92-01 PC **A05**/MF **A01**

Superfund Record of Decision (EPA Region 2): Global Landfill, Middlesex County, NJ. (First Remedial Action), October 1991.
PB92-963804/REB 92-01 PC **A08**/MF **A02**

Superfund Record of Decision (EPA Region 2): Love Canal (93rd Street School), Niagara County, City of Niagara Falls, NY. (Third Remedial Action), (Amendment), May 1991.
PB92-963805/REB 92-01 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 2): Naval Air Engineering Center (Operable Unit 3), Lakehurst, NJ. (Fourth Remedial Action), September 1991.
PB92-963806/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 2): Mattiace Petrochemicals Co., Inc., Nassau County, Glen Cove, NY. (Second Remedial Action), June 1991.
PB92-963807/REB 92-04 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 2): Naval Air Engineering Center (Operable Unit 1), Lakehurst, NJ. (First Remedial Action), February 1991.
PB92-963808/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 2): Asbestos Dump, New Vernon Road and White Bridge Road Sites, Passaic Township, Meyersville, NJ. (Second Remedial Action), September 1991.
PB92-963809/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 2): Naval Air Engineering Center, (Operable Unit 2), Lakehurst, NJ. (Second Remedial Action), February 1991.
PB92-963810/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 2): Chemsol, Inc., Piscataway, Middlesex County, NJ. (First Remedial Action), September 1991.
PB92-963811/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 2): Hooker Chemical S-Area, Niagara Falls, NY. (First Remedial Action), September 1990.
PB92-963812/REB 92-04 PC **A15**/MF **A03**

Superfund Record of Decision (EPA Region 2): NL Industries, Salem County, Pedricktown, NJ. (First Remedial Action), September 1991.
PB92-963813/REB 92-04 PC **A07**/MF **A02**

Superfund Record of Decision: Roebling Steel Company, Florence Township, Burlington County, NJ. (Second Remedial Action), September 1991.
PB92-963814/REB 92-04 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 2): Waldick Aerospace Devices, Wall Township, Monmouth County, NJ. (Second Remedial Action), March 1991.
PB92-963815/REB 92-04 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 2): Upper Deerfield Township Sanitary Landfill, Upper Deerfield Township, Cumberland County, NJ. (First Remedial Action), September 1991.
PB92-963816/REB 92-04 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 2): Nascolite Corporation, Doris Avenue, Cities of Millville and Vineland, Cumberland County, NJ. (Second Remedial Action), June 1991.
PB92-963817/REB 92-04 PC **A07**/MF **A02**

Superfund Record of Decision (EPA Region 2): General Motors/Central Foundry Division Site, St. Lawrence County, Massena, NY. (First Remedial Action), December 1990.
PB92-963818/REB 92-04 PC **A10**/MF **A03**

Superfund Record of Decision (EPA Region 2): Frontera Creek Site, Humacao, Puerto Rico (First Remedial Action), September 1991.
PB92-963819/REB 92-04 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 2): Fort Dix Landfill, Fort Dix Military Reservation, Pemberton Township, Burlington County, NJ. (First Remedial Action), September 1991.
PB92-963820/REB 92-04 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 2): Hertel Landfill, Town of Plattekill, Ulster County, NY. (First Remedial Action), September 1991.
PB92-963821/REB 92-04 PC **A05**/MF **A01**

Superfund Record of Decision (EPA Region 2): Colesville Municipal Landfill Site, Town of Colesville, Broome County, NY. (First Remedial Action), March 1991.
PB92-963822/REB 92-04 PC **A12**/MF **A03**

Superfund Record of Decision (EPA Region 2): Applied Environmental Services Site, Glenwood Landing, Nassau County, NY. (First Remedial Action), June 1991.
PB92-963823/REB 92-04 PC **A05**/MF **A01**

Superfund Record of Decision (EPA Region 2): Conklin Dumps, Broome County, Conklin, NY. (First Remedial Action), March 1991.
PB92-963824/REB 92-04 PC **A07**/MF **A02**

Superfund Record of Decision (EPA Region 2): Curcio Scrap Metal, Bergen County, Saddle Brook, NJ. (First Remedial Action), June 1991.
PB92-963825/REB 92-04 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 2): Warwick Landfill, Town of Warwick, Orange County, NY. (First Remedial Action), June 1991.
PB92-963826/REB 92-04 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 2): Sinclair Refinery, Allegany County, Wellsville, NY. (Second Remedial Action), September 1991.
PB92-963827/REB 92-04 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 2): Fibers Public Supply Wells, Guayama, PR. (First Remedial Action), September 1991.
PB92-963828/REB 92-04 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 2): White Chemical Corporation, Essex County, Newark, NJ. (First Remedial Action), September 1991.
PB92-963829/REB 92-04 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 3): Mid-Atlantic Wood Preservers, Harmans, Anne Arundel County, MD. (First Remedial Action), December 1990.
PB92-963901/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 3): Publicker/Cuyahoga Wrecking Plant, PA. (Second Remedial Action), June 1991.
PB92-963902/REB 92-01 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 3): Resin Disposal, Jefferson Borough, Allegheny County, PA. (First Remedial Action), June 1991.
PB92-963903/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 3): Cryo-Chem Site, Earl Township, Berks County, PA. (Third Remedial Action), September 1991.
PB92-963908/REB 92-01 PC **A05**/MF **A01**

Superfund Record of Decision (EPA Region 3): USA Aberdeen, Michaelsville, MD. (First Remedial Action), September 1991.
PB92-963909/REB 92-01 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 3): USA Letterkenny - PDO, Chambersburg, PA. (First Remedial Action), August 1991.
PB92-963910/REB 92-01 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 3): USA Letterkenny - Southeastern Area, Chambersburg, PA. (First Remedial Action), August 1991.
PB92-963911/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 3): Whitmoyer Laboratories (Operable Unit 2), Lebanon County, PA. (Second Remedial Action), December 1990.
PB92-963912/REB 92-01 PC **A05**/MF **A01**

Superfund Record of Decision (EPA Region 3): Strasburg Landfill, Newlin Township, Chester County, PA. (Second Remedial Action), June 1991.
PB92-963913/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 3): Halby Chemical, Wilmington, New Castle County, DE. (First Remedial Action), June 1991.
PB92-963914/REB 92-01 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 3): Brodhead Creek, Stroudsburg, PA. (First Remedial Action), March 1991.
PB92-963915/REB 92-01 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 3): USA Aberdeen Proving Ground, Edgewood, MD. (First Remedial Action), September 1991.
PB92-963916/REB 92-01 PC **A05**/MF **A01**

Superfund Record of Decision (EPA Region 3): Heleva Landfill Site, Lehigh County, PA. (First Remedial Action), (Amendment), September 1991.
PB92-963917/REB 92-01 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 3): Industrial Drive Operable Unit 2, Williams Township, PA. (Second Remedial Action), March 1991.
PB92-963918/REB 92-01 PC **A05**/MF **A01**

Superfund Record of Decision (EPA Region 3): NCR Corporation (Millsboro Plant), Sussex County, Millsboro, DE. (First Remedial Action), August 1991.
PB92-963919/REB 92-01 PC **A05**/MF **A01**

Superfund Record of Decision (EPA Region 3): AVCO Lycoming-Williamsport Division, Lycoming County, Williamsport, PA. (First Remedial Action), June 1991.
PB92-963920/REB 92-01 PC **A05**/MF **A01**

Superfund Record of Decision (EPA Region 3): William Dick Lagoons, West Caln Township, Chester County, PA. (First Remedial Action), June 1991.
PB92-963921/REB 92-04 PC **A07**/MF **A02**

Superfund Record of Decision (EPA Region 3): Havertown PCP (Pentachlorophenol), Haverford Township, Delaware County, PA. (Second Remedial Action), September 1991.
PB92-963922/REB 92-04 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 3): Sealand Limited Site, Mt. Pleasant, DE. (First Remedial Action), September 1991.
PB92-963923/REB 92-04 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 3): First Piedmont Rock Quarry/Route 719 Site, Danville, VA. (First Remedial Action), June 1991.
PB92-963924/REB 92-04 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 3): Arrowhead Associates/Scovill, Montross, VA. (First Remedial Action), September 1991.
PB92-963925/REB 92-04 PC **A05**/MF **A01**

Superfund Record of Decision (EPA Region 3): Whitmoyer Laboratories (Operable Unit 3), Lebanon County, PA. (Third Remedial Action), December 1990.
PB92-963926/REB 92-04 PC **A05**/MF **A01**

Superfund Record of Decision (EPA Region 3): Saunders Supply Company, Chuckatuck, VA. (First Remedial Action), September 1991.
PB92-963927/REB 92-04 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 3): Old City of York Landfill, Springfield Township, York County, PA. (First Remedial Action), September 1991.
PB92-963928/REB 92-04 PC **A05**/MF **A01**

Superfund Record of Decision (EPA Region 3): Dixie Caverns County Landfill, Roanoke County, VA. (First Remedial Action), September 1991.
PB92-963929/REB 92-04 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 3): Greenwood Chemical Site, Operable Unit 2, Newtown, VA. (Second Remedial Action), December 1990.
PB92-963930/REB 92-04 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 3): McAdoo Associates, (Operable Unit 2), Schuylkill County, PA. (Third Remedial Action), September 1991.
PB92-963932/REB 92-04 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 3): Eastern Diversified Metals, Schuylkill County, PA. (First Remedial Action), March 1991.
PB92-963933/REB 92-04 PC **A05**/MF **A01**

Superfund Record of Decision (EPA Region 4): Hercules 009 Landfill Site, Brunswick, Glynn County, GA. (First Remedial Action), June 1991.
PB92-964001/REB 92-01 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 4): USAF Robins Air Force Base, Warner Robins, Houston County, GA. (First Remedial Action), June 1991.
PB92-964002/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 4): Monsanto Superfund Site, Augusta, GA. (First Remedial Action), December 1990.
PB92-964003/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 4): Tri-City Industrial Disposal Site, Bullitt County, Brooks, KY. (First Remedial Action), August 1991.
PB92-964004/REB 92-01 PC **A14**/MF **A03**

Superfund Record of Decision (EPA Region 4): Aberdeen Pesticide Dumps, Moore County, Aberdeen, NC. (First Remedial Action), (Amendment), September 1991.
PB92-964005/REB 92-01 PC **A07**/MF **A02**

Superfund Record of Decision (EPA Region 4): Smith's Farm Site (First Operable Unit), Bullitt County, Brooks, KY. (First Remedial Action), (Amendment), September 1991.
PB92-964006/REB 92-01 PC **A10**/MF **A03**

Superfund Record of Decision (EPA Region 4): Petroleum Products Corporation Site, Operable Unit 1, Pembroke Park, Broward County, FL. (First Remedial Action), October 1990.
PB92-964007/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 4): Sangamo/Twelve-Mile Creek, Lake Hartwell PCB Contamination Site, Pickens, SC. (First Remedial Action), December 1990.
PB92-964008/REB 92-01 PC **A11**/MF **A03**

Superfund Record of Decision (EPA Region 4): Medley Farms, Cherokee County, Gaffney, SC. (First Remedial Action), May 1991.
PB92-964009/REB 92-01 PC **A09**/MF **A02**

Superfund Record of Decision (EPA Region 4): USA Anniston Army Depot, (Groundwater Operable Unit), Calhoun County, Anniston, AL. (First Remedial Action), September 1991.
PB92-964010/REB 92-01 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 4): Wrigley Charcoal Site, Hickman County, Wrigley, TN. (First Remedial Action), September 1991.
PB92-964011/REB 92-01 PC **A08**/MF **A02**

Superfund Record of Decision (EPA Region 4): Oak Ridge Reservation (USDOE), (Operable Unit 4), Roane County, Oak Ridge, TN. (Third Remedial Action), September 1991.
PB92-964012/REB 92-01 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 4): Oak Ridge Reservation (USDOE), (Operable Unit 2), Oak Ridge, TN. (First Remedial Action), June 1991.
PB92-964013/REB 92-01 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 4): Arlington Blending and Packaging, Shelby County, Arlington, TN. (First Remedial Action), June 1991.
PB92-964014/REB 92-04 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 4): Maxey Flats Nuclear Disposal Site, Fleming County, KY. (First Remedial Action), September 1991.
PB92-964015/REB 92-04 PC **A09**/MF **A03**

Superfund Record of Decision (EPA Region 4): Interstate Lead (ILCO), Jefferson County, Leeds, AL. (First Remedial Action), September 1991.
PB92-964016/REB 92-04 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 4): Carolina Transformer Site, Cumberland County, Fayetteville, NC. (First Remedial Action), August 1991.
PB92-964017/REB 92-04 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 4): Golden Strip Septic Tank, Greenville County, Simpsonville, SC. (First Remedial Action), September 1991.
PB92-964018/REB 92-04 PC **A14**/MF **A03**

Superfund Record of Decision (EPA Region 4): Sherwood Medical Industries, Volusia County, Deland, FL. (First Remedial Action), March 1991.
PB92-964019/REB 92-04 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 4): Velsicol Chemical, (First Operable Unit), Toone, TN. (First Remedial Action), June 1991.
PB92-964020/REB 92-04 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 4): Ciba-Geigy, Washington County, McIntosh, AL. (Second Remedial Action), September 1991.
PB92-964021/REB 92-04 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 4): Oak Ridge Reservation (USDOE), (Operable Unit 3), Anderson County, Oak Ridge, TN. (Second Remedial Action), September 1991.
PB92-964022/REB 92-04 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 4): Charles Macon Lagoon and Drum Storage, Richmond County, Cordova, NC. (First Remedial Action), September 1991.
PB92-964023/REB 92-04 PC **A07**/MF **A02**

Superfund Record of Decision (EPA Region 5): Acme Solvent Reclaiming, Winnebago County, IL. (Second Remedial Action), December 1990.
PB92-964101/REB 92-01 PC **A05**/MF **A02**

Superfund Record of Decision (EPA Region 5): Oak Grove Sanitary Landfill, Anoka County, MN. (Second Remedial Action), December 1990.
PB92-964102/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 5): Organic Chemicals, Grandville, MI. (First Remedial Action), September 1991.
PB92-964103/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 5): Novaco Industries, MI. (First Remedial Action), (Amendment), September 1991.
PB92-964104/REB 92-01 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 5): Rasmussen's Dump Site, Green Oak Township, Livingston County, MI. (First Remedial Action), March 1991.
PB92-964105/REB 92-01 PC **A09**/MF **A02**

Superfund Record of Decision (EPA Region 5): G and H Industrial Landfill Site, Macomb County, MI. (First Remedial Action), December 1990.
PB92-964106/REB 92-01 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 5): Main Street Well Field, Elkhart, IN. (Second Remedial Action), March 1991.
PB92-964107/REB 92-01 PC **A05**/MF **A01**

Superfund Record of Decision (EPA Region 5): Folkertsma Refuse Site, Walker, MI. (First Remedial Action), June 1991.
PB92-964108/REB 92-01 PC **A05**/MF **A01**

Superfund Record of Decision (EPA Region 5): Conrail Railyard, Elkhart County, IN. (First Remedial Action), June 1991.
PB92-964109/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 5): Verona Well Field Site, Battle Creek, MI. (Second Remedial Action), June 1991.
PB92-964110/REB 92-01 PC **A08**/MF **A02**

Superfund Record of Decision (EPA Region 5): Fadrowski Drum Disposal Site, Franklin, WI. (First Remedial Action), June 1991.
PB92-964111/REB 92-01 PC **A05**/MF **A01**

Superfund Record of Decision (EPA Region 5): Motor Wheel Disposal Site, Lansing, MI. (First Remedial Action), September 1991.
PB92-964112/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 5): Washington County Landfill, Lake Elmo, MN. (Second Remedial Action), November 1990.
PB92-964113/REB 92-01 PC **A05**/MF **A01**

Superfund Record of Decision (EPA Region 5): Anderson Development Company Site, Lenawee County, Adrian, MI. (First Remedial Action), (Amendment), September 1991.
PB92-964114/REB 92-01 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 5): Allied Chemical and Ironton Coke, Ironton, OH. (Second Remedial Action), December 1990.
PB92-964115/REB 92-01 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 5): Enviro-Chem (Northside Sanitary Landfill), Zionsville, IN. (First Remedial Action), (Amendment), June 1991.
PB92-964116/REB 92-01 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 5): Northside Sanitary Landfill (Enviro-Chem), Zionsville, IN. (First Remedial Action), (Amendment), June 1991.
PB92-964117/REB 92-01 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 5): Summit National Liquid Disposal Service, Deerfield, OH. (First Remedial Action), (Amendment), November 1990.
PB92-964118/REB 92-01 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 5): Pine Bend Sanitary Landfill, Dakota County, City of Inver Grove Heights, MN. (First Remedial Action), September 1991.
PB92-964119/REB 92-01 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 5): Pagel's Pit Site, Winnebago County, IL. (First Remedial Action), June 1991.
PB92-964120/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 5): MacGillis and Gibbs/Bell Lumber and Pole Co., New Brighton, MN. (First Remedial Action), September 1991.
PB92-964121/REB 92-01 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 5): Zanesville Well Field Site, Zanesville, OH. (First Remedial Action), September 1991.
PB92-964122/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 5): Buckeye Reclamation Landfill Site, Belmont County, OH. (First Remedial Action), August 1991.
PB92-964123/REB 92-04 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 5): U.S. DOI Sangamo/Crab Orchard National Wildlife Refuge, Carterville, IL. (First Remedial Action), March 1990.
PB92-964125/REB 92-04 PC **A05**/MF **A02**

Superfund Record of Decision (EPA Region 5): Carter Industrials Site, Detroit, MI. (First Remedial Action), September 1991.
PB92-964126/REB 92-04 PC **A08**/MF **A02**

Superfund Record of Decision (EPA Region 5): Ossineke Groundwater Contamination Site, Alpena County, Ossineke, MI. (First Remedial Action), June 1991.
PB92-964127/REB 92-04 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 5): Stoughton City Landfill Site, Stoughton, WI. (First Remedial Action), September 1991.
PB92-964128/REB 92-04 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 5): National Presto Industries, Eau Claire, WI. (Second Remedial Action), September 1991.
PB92-964129/REB 92-04 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 5): South Macomb Disposal No. 9 and 9A, Macomb County, MI. (First Remedial Action), August 1991.
PB92-964130/REB 92-04 PC **A05**/MF **A01**

Superfund Record of Decision (EPA Region 5): Fultz Landfill, Byesville, OH. (First Remedial Action), September 1991.
PB92-964131/REB 92-04 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 5): Berlin and Farro Site, Swartz Creek, MI. (First Remedial Action), September 1991.
PB92-964132/REB 92-04 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 5): Lemberger Landfill Site, Manitowoc County, WI. (First Remedial Action), September 1991.
PB92-964133/REB 92-04 PC **A05**/MF **A01**

Superfund Record of Decision (EPA Region 5): Michigan Disposal Service (Cork Street) Landfill, Kalamazoo, MI. (First Remedial Action), September 1991.
PB92-964134/REB 92-04 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 5): Thermo Chem Site, (Operable Unit 1), Muskegon County, MI. (First Remedial Action), September 1991.
PB92-964135/REB 92-04 PC **A05**/MF **A01**

Superfund Record of Decision (EPA Region 5): Sturgis Municipal Wells, Sturgis, MI. (First Remedial Action), September 1991.
PB92-964136/REB 92-04 PC **A08**/MF **A02**

Superfund Record of Decision (EPA Region 5): Dakhue Sanitary Landfill, Hampton Township, Dakota County, MN. (First Remedial Action), June 1991.
PB92-964137/REB 92-04 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 5): Chem-Central Site, Wyoming, MI. (First Remedial Action), September 1991.
PB92-964138/REB 92-04 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 6): Cimarron Mining Site, Operable Unit 2, Carrizozo, NM. (Second Remedial Action), September 1991.
PB92-964201/REB 92-01 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 6): Petro-Chemical (Turtle Bayou), Liberty County, TX. (Second Remedial Action), September 1991.
PB92-964202/REB 92-01 PC **A07**/MF **A02**

Superfund Record of Decision (EPA Region 7): People's Natural Gas Coal Gasification Site, Dubuque, IA. (First Remedial Action), September 1991.
PB92-964301/REB 92-01 PC **A05**/MF **A01**

Superfund Record of Decision (EPA Region 7): Ellisville Area Site, St. Louis County, Ellisville, MO. (First Remedial Action), (Amendment), September 1991.
PB92-964302/REB 92-01 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 7): Hastings Groundwater Contamination (Operable Unit 10), Hastings, NE. (Seventh Remedial Action), September 1991.
PB92-964303/REB 92-01 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 7): Hastings Ground Water Contamination (Operable Unit 1), Hastings, NE. (Second Remedial Action), September 1991.
PB92-964304/REB 92-04 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 7): Kem-Pest Laboratories Site, Cape Girardeau County, MO. (Second Remedial Action), December 1990.
PB92-964305/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 7): E.I. Dupont De Nemours (County Road X23), Lee County, West Point, IA. (First Remedial Action), May 1991.
PB92-964306/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 7): Lee Chemical Site, Liberty, MO. (First Remedial Action), March 1991.
PB92-964307/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 7): John Deere (Ottumwa Works Landfill), Ottumwa, IA. (First Remedial Action), September 1991.
PB92-964308/REB 92-04 PC **A05**/MF **A01**

Superfund Record of Decision (EPA Region 7): Shaw Avenue Dump Site, Charles City, Floyd County, IA. (First Remedial Action), September 1991.
PB92-964309/REB 92-04 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 7): Mid-America Tanning Site, Sergeant Bluff, IA. (First Remedial Action), September 1991.
PB92-964310/REB 92-04 PC **A07**/MF **A02**

Superfund Record of Decision (EPA Region 7): Lehigh Portland Cement Company, Mason City, IA. (First Remedial Action), June 1991.
PB92-964311/REB 92-04 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 7): Ellisville Area Site, St. Louis County, Ellisville, MO. (Second Remedial Action), September 1991.
PB92-964312/REB 92-04 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 8): Hill Air Force Base, Operable Unit 2, Chemical Disposal Pit 3, Site WP07, Davis and Weber Counties, UT. (First Remedial Action), September 1991.
PB92-964401/REB 92-01 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 8): Broderick Wood Products, Adams County, CO. (First Remedial Action), (Amendment), September 1991.
PB92-964402/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 8): Rocky Mountain Arsenal (Operable Unit 26), CO. (Tenth Remedial Action), September 1991.
PB92-964403/REB 92-04 PC **A09**/MF **A02**

Superfund Record of Decision (EPA Region 8): Anaconda Smelter Site, (Operable Unit 11 - Flue Dust), Deer Lodge County, Anaconda, MT. (Second Remedial Action), September 1991.
PB92-964404/REB 92-04 PC **A10**/MF **A03**

Superfund Record of Decision (EPA Region 8): Rocky Mountain Arsenal (Operable Unit 21), CO. (Ninth Remedial Action), June 1991.
PB92-964405/REB 92-04 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 8): Central City-Clear Creek Site, (Operable Unit 3), Clear Creek and Gilpin Counties, CO. (Third Remedial Action), September 1991.
PB92-964406/REB 92-04 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 8): Wasatch Chemical Site (Lot 6), Salt Lake City, UT. (First Remedial Action), March 1991.
PB92-964407/REB 92-04 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 8): Chemical Sales Site, (New Location), (Operable Unit 2), Adams County, CO. (Second Remedial Action), June 1991.
PB92-964408/REB 92-04 PC **A09**/MF **A03**

Superfund Record of Decision (EPA Region 8): Chemical Sales (New Location) (Operable Unit 1), Denver, CO. (First Remedial Action), June 1991.
PB92-964409/REB 92-04 PC **A09**/MF **A02**

Superfund Record of Decision (EPA Region 9): South Bay Asbestos Area, San Jose, CA. (First Remedial Action), (Amendment), June 1991.
PB92-964501/REB 92-01 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 9): National Semiconductor (Monolithic Memories), CA. (First Remedial Action), September 1991.
PB92-964502/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 9): Monolithic Memories (Advanced Micro Devices - Arques) (National Semiconductor), CA. (First Remedial Action), September 1991.
PB92-964503/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 9): Advanced Micro Devices 901, (Signetics), (TRW Microwave), Sunnyvale, CA. (First Remedial Action), September 1991.
PB92-964504/REB 92-04 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 9): Teledyne Semiconductor (Spectra Physics), Mountain View, CA. (First Remedial Action), March 1991.
PB92-964505/REB 92-01 PC **A05**/MF **A01**

Superfund Record of Decision (EPA Region 9): Van Waters and Rogers, San Jose, CA. (First Remedial Action), September 1991.
PB92-964506/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 9): Signetics (Advanced Micro Devices 901) (TRW Microwave), Sunnyvale, CA. (First Remedial Action), September 1991.
PB92-964507/REB 92-01 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 9): Castle Air Force Base, Merced County, CA. (First Remedial Action), August 1991.
PB92-964508/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 9): Indian Bend Wash Area (Operable Units 1, 4, 5, 6), AZ. (Second Remedial Action), September 1991.
PB92-964509/REB 92-01 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 9): Atlas Asbestos Mine, Fresno County, CA. (Second Remedial Action), February 1991.
PB92-964510/REB 92-01 PC **A07**/MF **A02**

Superfund Record of Decision (EPA Region 9): Micro Storage/Intel Magnetics, Santa Clara, CA. (First Remedial Action), August 1991.
PB92-964511/REB 92-04 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 9): FMC (Fresno Plant), Fresno, CA. (First Remedial Action), June 1991.
PB92-964512/REB 92-04 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 9): Synertek (Building No. 1), Santa Clara, CA. (First Remedial Action), June 1991.
PB92-964513/REB 92-04 PC **A07**/MF **A02**

Superfund Record of Decision (EPA Region 9): Sola Optical USA, Inc., Petaluma, CA. (First Remedial Action), September 1991.
PB92-964515/REB 92-04 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 9): CTS Printex Corporation, Mountain View, CA. (First Remedial Action), June 1991.
PB92-964516/REB 92-04 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 9): Valley Wood Preserving Site, Turlock, CA. (First Remedial Action), September 1991.
PB92-964517/REB 92-04 PC **A07**/MF **A02**

Superfund Record of Decision (EPA Region 9): TRW Microwave, (Advanced Micro Devices 901), (Signetics), Sunnyvale, CA. (First Remedial Action), September 1991.
PB92-964518/REB 92-04 PC **A06**/MF **A02**

Superfund Record of Decision (EPA Region 9): Spectra-Physics, (Teledyne Semiconductor), Mountain View, CA. (First Remedial Action), March 1991.
PB92-964519/REB 92-04 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 9): Advanced Micro Devices 915, Sunnyvale, CA. (First Remedial Action), August 1991.
PB92-964520/REB 92-04 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 10): Bunker Hill Mining and Metallurgical Complex, Shoshone County, ID. (First Remedial Action), August 1991.
PB92-964601/REB 92-01 PC **A07**/MF **A02**

Superfund Record of Decision (EPA Region 10): Northwest Transformer-Mission Pole, Whatcom County, WA. (First Remedial Action), (Amendment), September 1991.
PB92-964602/REB 92-01 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 10): Bangor Naval Submarine Base, Site F (Operable Unit 2), Bangor, WA. (First Remedial Action), September 1991.
PB92-964603/REB 92-01 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 10): Commencement Bay-Nearshore/Tideflats (Operable Unit 7), Tacoma, WA. (Third Remedial Action), December 1990.
PB92-964604/REB 92-01 PC **A17**/MF **A04**

Superfund Record of Decision (EPA Region 10): American Lake Gardens (McChord AFB - Area D), Pierce County, WA. (First Remedial Action), September 1991.
PB92-964605/REB 92-04 PC **A05**/MF **A02**

Superfund Record of Decision (EPA Region 10): Union Pacific Railroad Yard, Bannock County, Pocatello, ID. (First Remedial Action), September 1991.
PB92-964606/REB 92-04 PC **A08**/MF **A02**

Superfund Record of Decision (EPA Region 10): Yakima Plating Facility, Yakima, WA. (First Remedial Action), September 1991.
PB92-964607/REB 92-04 PC **A05**/MF **A01**

WASTE DISPOSALS

Technology Evaluation Report of Retech, Inc., Plasma Centrifugal Furnace. Volume 2.
PB92-216043/REB 92-04 PC **A15**/MF **A03**

WASTE LOAD ALLOCATIONS

Guidance for State Water Monitoring and Wasteload Allocation Programs.
PB92-231612/REB 92-04 PC **A04**/MF **A01**

Technical Guidance Manual for Performing Waste Load Allocations: Simplified Analytical Method for Determining NPDES Effluent Limitations for POTWs Discharging into Low-Flow Streams.
PB92-231786/REB 92-04 PC **A04**/MF **A01**

WASTE MANAGEMENT

Toxicological Assessment of Hazardous Wastes.
AD-P006 468/3/REB 92-01 PC **A03**/MF **A01**

Compendium of CERCLA ARARs fact sheets and directives.
DE92004878/REB 92-01 PC **A12**/MF **A03**

Toxic Release Inventory (TRI) United States and Territories, 1987.
PB92-100114/REB 92-01 MF**$600.00**

Toxic Release Inventory (TRI) United States and Territories, 1988.
PB92-100122/REB 92-01 MF**$600.00**

Citizens' Guidance Manual for the Technical Assistance Grant Program.
PB92-101435/REB 92-01 PC **A14**/MF **A03**

OSWER Source Book: Training and Technology Transfer Resources.
PB92-102169/REB 92-01 PC **A13**/MF **A03**

Waste Minimization Assessment for a Manufacturer of Refurbished Railcar Bearing Assemblies.
PB92-104348/REB 92-01 PC **A01**/MF **A01**

Waste Minimization Assessment for a Manufacturer of Prototype Printed Circuit Boards.
PB92-104355/REB 92-01 PC **A01**/MF **A01**

Waste Minimization Assessment for a Manufacturer of Speed Reduction Equipment.
PB92-104363/REB 92-01 PC **A01**/MF **A01**

Conducting RCRA Inspections at Mixed Waste Facilities.
PB92-105196/REB 92-01 PC **A04**/MF **A01**

Waste Minimization Opportunity Assessment: Scott Air Force Base.
PB92-105402/REB 92-01 PC **A06**/MF **A02**

Community Relations during Enforcement Activities and Development of the Administrative Record.
PB92-105469/REB 92-01 PC **A03**/MF **A01**

Section 3008(h) Module Order on Consent.
PB92-105477/REB 92-01 PC **A03**/MF **A01**

Guide for Conducting Treatability Studies under CERCLA: Aerobic Biodegradation Remedy Screening. Interim Guidance.
PB92-109065/REB 92-01 PC **A03**/MF **A01**

Guide for Conducting Treatability Studies under CERCLA: Aerobic Biodegradation Remedy Screening.
PB92-109073/REB 92-01 PC **A02**/MF **A01**

Running a Conference as a Clean Product. International Conference on Pollution Prevention: Clean Technologies and Clean Products. Held in Washington, DC. on June 10-13, 1990.
PB92-109099/REB 92-01 PC **A03**/MF **A01**

Methodology for Assessing Environmental Releases of and Exposure to Municipal Solid Waste Combustor Residuals.
PB92-109149/REB 92-01 PC **A07**/MF **A02**

RCRA Permit Policy Compendium. Volume 1. User's Guide. Key Word Index.
PB92-111715/REB 92-01 PC **E10**

RCRA Permit Policy Compendium. Volume 2 (9420.1980-9434.1900). Hazardous Waste Management System (Part 260). General, Definitions, Petitions.
PB92-111723/REB 92-01 PC **A13**

RCRA Permit Policy Compendium. Volume 3 (9441.1980-9441.1986). Identification and Listing of Hazardous Waste (Part 261). General.
PB92-111731/REB 92-01 PC **A14**

RCRA Permit Policy Compendium. Volume 4 (9441.1987-9441.1990). Identification and Listing of Hazardous Waste (Part 261). General.
PB92-111749/REB 92-01 PC **A14**

RCRA Permit Policy Compendium. Volume 5 (9442.1980-9444.1986). Identification and Listing of Hazardous Waste (Part 261). Criteria for Identifying Hazardous Waste, Characteristics of Hazardous Waste, Lists of Hazardous Waste.
PB92-111756/REB 92-01 PC **A14**

RCRA Permit Policy Compendium. Volume 6 (9444.1987-9457.1990). Identification and Listing of Hazardous Waste (Part 261). Lists (Cont'd), Generator Standards (Part 262), General, Pretransportation, Recordkeeping, Special Conditions, Importing.
PB92-111764/REB 92-01 PC **A15**

RCRA Permit Policy Compendium. Volume 7 (9460.1980-9482.1990). Transporter Standards (Part 263). (TSDF's) (Parts 264 and 265), TSDF Technical Requirements (Parts 264 and 265).
PB92-111772/REB 92-01 PC **A11**

RCRA Permit Policy Compendium. Volume 8 (9483.1980-9489.1990). TSDF Technical Requirements (Parts 264 and 265). Tanks, Surface Impoundments, Waste Piles, Land Treatment, Landfills, Incinerators, Miscellaneous Units.
PB92-111780/REB 92-01 PC **A15**

RCRA Permit Policy Compendium. Volume 9 (9490.1980-9521.1990). Standards for Managing Specific Hazardous Wastes (Part 266). Permitting Policies, Permitting Procedures (Parts 124 and 270).
PB92-111798/REB 92-01 PC **A15**

RCRA Permit Policy Compendium. Volume 10 (9522.1980-9528.1990). Permitting Procedures (Parts 124 and 270). Applications, Conditions, Changes, Interim Status.
PB92-111806/REB 92-01 PC **A15**

RCRA Permit Policy Compendium. Volume 11 (9530.1980-9581.1990). Air Emissions Standards, State Authorization (Part 271), Land Disposal Restrictions (Part 268), Waste Minimization, Subtitle D, RCRA Grant Funds.
PB92-111814/REB 92-01 PC **A17**

Stabilization Technologies for RCRA Corrective Actions. Handbook.
PB92-114495/REB 92-01 PC **A04**/MF **A01**

Selection of Control Technologies for Remediation of Lead Battery Recycling Sites.
PB92-114537/REB 92-01 PC **A08**/MF **A02**

BioTrol Soil Washing System for Treatment of a Wood Preserving Site: Applications Analysis Report.
PB92-115245/REB 92-01 PC **A04**/MF **A01**

Technology Evaluation Report: Biotrol Soil Washing System for Treatment of a Wood Preserving Site. Volume 1.
PB92-115310/REB 92-01 PC **A13**/MF **A03**

Technology Evaluation Report: Biotrol Soil Washing System for Treatment of a Wood Preserving Site. Volume 2, Part A.
PB92-115328/REB 92-01 PC **A17**/MF **A04**

Technology Evaluation Report: Biotrol Soil Washing System for Treatment of a Wood Preserving Site. Volume 2, Part B.
PB92-115336/REB 92-01 PC **A15**/MF **A03**

Proceedings of International Workshop on Research in Pesticide Treatment/Disposal/Waste Minimization. Held in Cincinnati, Ohio on February 26-27, 1991.
PB92-119940/REB 92-01 PC **A10**/MF **A03**

RCRA Cover Systems for Waste Management Facilities.
PB92-120435/REB 92-01 PC **A03**/MF **A01**

United States Environmental Protection Agency Municipal Waste Combustion Residue Solidification/Stabilization Evaluation Program.
PB92-121177/REB 92-01 PC **A03**/MF **A01**

National Survey of Hazardous Waste Generators and Treatment, Storage, Disposal, and Recycling Facilities in 1986. Hazardous Waste Generation and Management.
PB92-123025/REB 92-01 PC **A12**/MF **A03**

Soil-Air Permeability Method Evaluation.
PB92-124239/REB 92-01 PC **A02**/MF **A01**

U.S. EPA SITE Demonstration of AWD Technologies' AquaDetox/SVE System.
PB92-124387/REB 92-01 PC **A02**/MF **A01**

Mining Sites on the National Priorities List: NPL Site Summary Reports. Volume 1 (Aluminum Company of America (Vancouver Smelter) to Cleveland Mill).
PB92-124767/REB 92-01 PC **A99**

Mining Sites on the National Priorities List: NPL Site Summary Reports. Volume 2 (Commencement Bay Nearshore/Tideflats to Kerr McGee) (Kress Creek, Reed-Keppler Park, Residential Areas, Sewage Treatment Plant).
PB92-124775/REB 92-01 PC **A99**

Mining Sites on the National Priorities List: NPL Site Summary Reports. Volume 3 (Kerr-McGee Chemical Corp. (Soda Springs Plant) to Ormet Corp).
PB92-124783/REB 92-01 PC **A99**

Mining Sites on the National Priorities List: NPL Site Summary Reports. Volume 4 (Oronogo-Duenweg Mining Belt to Tar Creek).
PB92-124791/REB 92-01 PC **A99**

Mining Sites on the National Priorities List: NPL Site Summary Reports. Volume 5 (Teledyne Wah Chang to Wayne Interim Storage Facility/W.R. Grace).
PB92-124809/REB 92-01 PC **A99**

Evaluation of Five Waste Minimization Technologies at the General Dynamics Pomona Division Plant.
PB92-125756/REB 92-01 PC **A04**/MF **A01**

International Symposium on Field Screening Methods for Hazardous Wastes and Toxic Chemicals (2nd), Proceedings. Held in Las Vegas, Nevada on February 12-14, 1991.
PB92-125764/REB 92-01 PC **A99**/MF **E08**

Lignocellulosic-Plastic Composites from Recycled Materials.
PB92-126861/REB 92-01 PC **A03**/MF **A01**

Compilation of Current Practices at Land Disposal Facilities: Summary of Liner and Leak Detection Designs, Action Leakage Rates, Response Action Plans, and Management of Liquids in Landfills.
PB92-128206/REB 92-01 PC **A08**/MF **A02**

Action Leakage Rates for Leak Detection Systems. (Supplemental Background Document for the Final Double Liners and Leak Detection Systems Rule for Hazardous Waste Landfills, Waste Piles, and Surface Impoundments).
PB92-128214/REB 92-01 PC **A04**/MF **A01**

Guides to Pollution Prevention: The Photoprocessing Industry.
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Guides to Pollution Prevention: The Automotive Refinishing Industry.
PB92-129139/REB 92-01 PC **A04**/MF **A01**

Bench-Scale Evaluation of Alternative Biological Treatment Processes for the Remediation of Pentachlorophenol- and Creosote-Contaminated Materials: Solid-Phase Bioremediation.
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Inside the Hotline: A Compilation of 1991 Monthly Hotline Reports.
PB92-131390/REB 92-01 PC **A04**/MF **A01**

Guidelines for Asbestos NESHAP Demolition and Renovation Inspection Procedures.
PB92-132836/REB 92-01 PC **A07**/MF **A02**

Chemical Resistance of Geosynthetic Materials.
PB92-136928/REB 92-01 PC **A03**/MF **A01**

Superfund Soils Data Management System.
PB92-139476/REB 92-01 PC **A02**/MF **A01**

Development of a National Consensus Standard for Quality Assurance for Environmental Programs.
PB92-143783/REB 92-01 PC **A03**/MF **A01**

Quality and Environmental Protection: The EPA QA Program.
PB92-143791/REB 92-01 PC **A02**/MF **A01**

Organic Contract Compliance Screening System. Software for the PC (OLM01.8 Version 1). User Manual.
PB92-145564/REB 92-01 PC **A06**/MF **A02**

Organic Contract Compliance Screening System. Software for the PC (SOW March 1990, Version 1). User Manual.
PB92-145572/REB 92-01 PC **A08**/MF **A02**

Organic Contract Compliance Screening System. Software for the PC (Version June 1990). User Manual.
PB92-145580/REB 92-01 PC **A08**/MF **A02**

Inorganic Contract Compliance Screening System Software for the PC (SOW March 1990 Version 1). User Manual.
PB92-145598/REB 92-01 PC **A07**/MF **A02**

Reclamation and Redevelopment of Contaminated Land. Volume 2. European Case Studies.
PB92-146166/REB 92-01 PC **A13**/MF **A03**

State Programs Advisory Number Nine.
PB92-149285/REB 92-01 PC **A99**/MF **E16**

Control Technologies for Defunct lead Battery Recycling Sites: Overview and Recent Developments. Volume 3.
PB92-150416/REB 92-01 PC **A03**/MF **A01**

Fuel Cell Energy Recovery from Landfill Gas.
PB92-150614/REB 92-01 PC **A03**/MF **A01**

PAST: The Potential ARARs Selection Tool.
PB92-152941/REB 92-01 PC **A02**/MF **A01**

Trace Elements, Leaching and Health Risks from Municipal Waste Combustion Ash.
PB92-153311/REB 92-01 PC **A03**/MF **A01**

Pollution Prevention Methods in the Surface Coating Industry.
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Ten Year Review of Plastics Recycling.
PB92-153402/REB 92-01 PC **A03**/MF **A01**

Waste Minimization for Non-Agricultural Pesticide Applicators: EPA's Pollution Prevention Guide.
PB92-153774/REB 92-01 PC **A02**/MF **A01**

Consolidated List of Chemicals Subject to Reporting under the Emergency Planning and Community Right-to-Know Act. (Title III of the Superfund Amendments and Reauthorization Act of 1986).
PB92-155399/REB 92-01 PC **A04**/MF **A01**

Multi-Media Investigation Manual.
PB92-161553/REB 92-01 PC **A12**/MF **A03**

Guide for Conducting Treatability Studies under CERCLA: Chemical Dehalogenation.
PB92-169044/REB 92-04 PC **A05**/MF **A01**

Chemical Dehalogenation Treatability Studies under CERCLA: An Overview.
PB92-169275/REB 92-04 PC **A02**/MF **A01**

Proceedings on the National United States Environmental Protection Agency Conference on Household Hazardous Waste Management (6th). Held in Seattle, Washington on December 3-7, 1991.
PB92-169390/REB 92-01 PC **A99**/MF **E08**

Organic Contract Compliance Screening System. Software for the PC (OLM01.8 Version 2) (User Manual).
PB92-169564/REB 92-04 PC **A06**/MF **A02**

Evaluation of the Chemical Resistance of Geotextiles, Geonet and Pipe.
PB92-170562/REB 92-01 PC **A05**/MF **A01**

Air/Superfund National Technical Guidance Study Series. Guideline for Predictive Baseline Emissions Estimation Procedures for Superfund Sites.
PB92-171909/REB 92-01 PC **A03**/MF **A01**

Air Superfund National Technical Guidance Study Series. Screening Procedures for Estimating the Air Impacts of Incineration at Superfund Sites.
PB92-171917/REB 92-01 PC **A04**/MF **A01**

Air Superfund National Technical Guidance Study Series. Estimation of Air Impacts for the Excavation of Contaminated Soil.
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Chemical Substitution for 1,1,1,-Trichloroethane and Methanol in an Industrial Cleaning Operation.
PB92-179886/REB 92-01 PC **A03**/MF **A01**

Capsule Report: Acostic Monitoring to Determine the Integrity of Hazardous Waste Dams.
PB92-179928/REB 92-01 PC **A03**/MF **A01**

In situ Soil Flushing. Engineering Bulletin.
PB92-180025/REB 92-01 PC **A02**/MF **A01**

Control of Air Emissions from Materials Handling during Remediation. Engineering Bulletin.
PB92-180041/REB 92-01 PC **A02**/MF **A01**

Pollution Prevention Case Studies Compendium.
PB92-180165/REB 92-01 PC **A06**/MF **A02**

Asia Pacific Cleaner Production Conference: Cooperative Approaches in Minimising Hazardous Wastes. Held in Melbourne, Australia on February 24-27, 1992.
PB92-180173/REB 92-01 PC **A02**/MF **A01**

Asia Pacific Cleaner Production Conference: International Legislative Trends. Held in Melbourne, Australia on February 24-27, 1992.
PB92-180181/REB 92-01 PC **A02**/MF **A01**

Technical Resource Document: Batch-Type Procedures for Estimating Soil Adsorption of Chemicals.
PB92-188515/REB 92-01 PC **A06**/MF **A02**

Waste Minimization Assessment for a Manufacturer of Automotive Air Conditioning Condensers and Evaporators.
PB92-188739/REB 92-01 PC **A02**/MF **A01**

Waste Minimization Assessment for a Manufacturer of Metal Bands, Clamps, Retainers, and Tooling.
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Inspection Techniques for the Fabrication of Geomembrane Field Seams.
PB92-188770/REB 92-01 PC **A02**/MF **A01**

Evaluation of the Rackwitz-Fiessler Uncertainty Analysis Method for Environmental Fate and Transport Models.
PB92-188879/REB 92-01 PC **A03**/MF **A01**

Waste Minimization Assessment for a Manufacturer Producing Galvanized Steel Parts.
PB92-189695/REB 92-01 PC **A02**/MF **A01**

Waste Minimization Assessment for a Manufacturer of Metal-Plated Display Racks.
PB92-189703/REB 92-01 PC **A02**/MF **A01**

Inactive and Abandoned Noncoal Mines. Volume 1. A Scoping Study.
PB92-190115/REB 92-01 PC **A07**/MF **A02**

Inactive and Abandoned Noncoal Mines. Volume 2. State Reports.
PB92-190123/REB 92-01 PC **A19**/MF **A04**

Inactive and Abandoned Noncoal Mines. Volume 3. Appendix: State Reports.
PB92-190131/REB 92-01 PC **A14**/MF **A03**

Projected Regulatory, Programmatic and Fiscal Impacts of EPA's Strawman-II on State Mine Waste Management Programs. Volume 1. Summary Report.
PB92-190156/REB 92-01 PC **A04**/MF **A01**

Projected Regulatory, Programmatic and Fiscal Impacts of EPA's Strawman-II on State Mine Waste Management Programs. Volume 2. State Reports of Western Governors' Association Mine Waste Task Force States.
PB92-190164/REB 92-01 PC **A99**

Projected Regulatory, Programmatic and Fiscal Impacts of EPA's Strawman-II on State Mine Waste Management Programs. Volume 3. Appendix: State Reports Interstate *Coalition on Mine Waste.*
PB92-190172/REB 92-01 PC **A14**

Closure of a Dioxin Incineration Facility.
PB92-191170/REB 92-01 PC **A03**/MF **A01**

Waste Minimization Assessment for a Manufacturer of Aluminum Extrusions.
PB92-192137/REB 92-01 PC **A02**/MF **A01**

Waste Minimization Assessment for a Manufacturer of Motor Vehicle Exterior Mirrors.
PB92-192806/REB 92-01 PC **A01**/MF **A01**

Waste Minimization Assessment for an Aluminum Extrusions Manufacturer.
PB92-196393/REB 92-04 PC **A02**/MF **A01**

Inorganic Chemical Characterization of Water Treatment Plant Residuals.
PB92-198563/REB 92-04 PC **A08**/MF **A02**

Technical Support Services for Superfund Site Remediation and RCRA Corrective Action. Third Edition.
PB92-205657/REB 92-04 PC **A04**/MF **A01**

System for Control of River Water Quality for the Community of Madrid Using QUAL2E.
PB92-206218/REB 92-04 PC **A02**/MF **A01**

European Packaging Initiatives: Leading the Way on Source Reduction.
PB92-206242/REB 92-04 PC **A02**/MF **A01**

No Migration Variances to the Hazardous Waste Land Disposal Prohibitions: A Guidance Manual for Petitioners (July 1992).
PB92-207695/REB 92-04 PC **A05**/MF **A02**

Facility Pollution Prevention Guide.
PB92-213206/REB 92-04 PC **A08**/MF **A02**

Characterizing Heterogeneous Wastes: Methods and Recommendations (March 26-28, 1991).
PB92-216894/REB 92-04 PC **A08**/MF **A02**

Arsenic and Mercury Workshop on Removal, Recovery, Treatment and Disposal. Abstract Proceedings. Held in Alexandria, Virginia on August 17-20, 1992.
PB92-216944/REB 92-04 PC **A07**/MF **A02**

Waste Minimization Opportunity Assessment Manual.
PB92-216985/REB 92-04 PC **A06**/MF **A02**

Waste Minimization Assessment for a Manufacturer of Military Furniture.
PB92-217256/REB 92-04 PC **A01**/MF **A01**

Waste Minimization Assessment for a Dairy.
PB92-217264/REB 92-04 PC **A01**/MF **A01**

Waste Minimization Assessment for a Manufacturer of Water Analysis Instrumentation.
PB92-217280/REB 92-04 PC **A01**/MF **A01**

Waste Reduction Activities and Options at a Printer of Forms and Supplies for the Legal Profession.
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AWD Technologies Integrated AquaDetox (Trade Name)/ SVE Technology: Applications Analysis Report.
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Technology Evaluation Report: Babcock and Wilcox Cyclone Furnace Vitrification Technology, Volume 1.
PB92-222215/REB 92-04 PC **A06**/MF **A02**

Technology Evaluation Report: Babcock and Wilcox Cyclone Furnace Vitrification Technology. *Volume 2.*
PB92-222223/REB 92-04 PC **A15**/MF **A03**

Tracking Toxic Substances at Industrial Facilities: Engineering Mass Balance versus Materials Accounting.
PB92-223213/REB 92-04 PC **A09**/MF **A02**

Superfund Innovative Technology Evaluation Program: Technology Profiles, Fourth Edition.
PB92-224294/REB 92-04 PC **A10**/MF **A03**

Guide for Conducting Treatability Studies under CERCLA: Aerobic Biodegradation Remedy Screening. Quick Reference Fact Sheet.
PB92-224377/REB 92-04 PC **A02**/MF **A01**

Guidance on Site Assessment Cooperative Agreements.
PB92-224385/REB 92-04 PC **A03**/MF **A01**

Technology Demonstration Summary: Bio Trol Soil Washing System for Treatment of a Wood Preserving Site.
PB92-224393/REB 92-04 PC **A02**/MF **A01**

Guide for Conducting Treatability Studies under CERCLA: Soil Vapor Extraction. Quick Reference Fact Sheet.
PB92-224401/REB 92-04 PC **A02**/MF **A01**

Bioremediation in the Field: An Information Update on *Applying Bioremediation to Site Cleanup. (Number 4).*
PB92-224708/REB 92-04 PC **A03**/MF **A01**

Bioremediation in the Field. An Information Update on Applying Bioremediation to Site Clean-Up. Number 3.
PB92-224807/REB 92-04 PC **A03**/MF **A01**

RCRA Corrective Actions. Speaker Slide Copies.
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Evaluation and Comparison of Spatial Interpolators.
PB92-227446/REB 92-04 PC **A03**/MF **A01**

Guide for Conducting Treatability Studies under CERCLA: Chemical Dehalogenation. Final Report.
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Automated Aqueous Rotary Washer for the Metal Finishing Industry. Technology Evaluation Report.
PB92-232214/REB 92-04 PC **A04**/MF **A01**

Citizen's Guide to In situ Soil Flushing.
PB92-233113/REB 92-04 PC **A02**/MF **A01**

Citizen's Guide to Innovative Treatment Technologies for Contaminated Soils, Siudges, Sediments and Debris.
PB92-235563/REB 92-04 PC **A02**/MF **A01**

Citizen's Guide to Bioventing.
PB92-235571/REB 92-04 PC **A01**/MF **A01**

Citizen's Guide to Using Indigenous and Exogenous Microorganisms in Bioremediation.
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Citizen's Guide to Air Sparging.
PB92-235597/REB 92-04 PC **A01**/MF **A01**

Evaluation of Soil Venting Application. Ground Water Issue.
PB92-235605/REB 92-04 PC **A02**/MF **A01**

Waste Reduction Activities and Options for a Nuclear Powered Electrical Generating Station.
PB92-235654/REB 92-04 PC **A02**/MF **A01**

Waste Reduction Activities and Options for a Local Board of Education in New Jersey.
PB92-238476/REB 92-04 PC **A02**/MF **A01**

Guide for Conducting Treatability Studies under CERCLA Solvent Extraction. Interim Guidance.
PB92-239581/REB 92-04 PC **A03**/MF **A01**

Guide for Conducting Treatability Studies under CERCLA: Solvent Extraction Quick Reference Fact Sheet.
PB92-239599/REB 92-04 PC **A02**/MF **A01**

Toxic Release Inventory (TRI) 1987-1989, (on CD-ROM).
PB92-500024/REB 92-01 CD-ROMS45.00

PA-Score (Preliminary Assessment Score), Version 1.0 (for Microcomputers).
PB92-500032/REB 92-01 CP **D02**

Organic Contract Compliance Screening System (OCCSS) Software (SOW February 1988) (for Microcomputers).
PB92-501501/REB 92-01 CP **D02**

Inorganic Contract Compliance Screening System (ICCSS) Software (SOW March 1990) (Version 1) (for *Microcomputers).*
PB92-501519/REB 92-01 CP **D02**

Organic Contract Compliance Screening System (OCCSS) Software (SOW March 1990) (Version 1) (for Microcomputers).
PB92-501527/REB 92-01 CP **D02**

Organic Contract Compliance Screening System (OCCSS) Software (SOW OLM01.8 Version January 1992) *(Version 1) (for Microcomputers).*
PB92-501535/REB 92-01 CP **D02**

Consolidated List of Chemical Subject to Reporting under the Emergency Planning and Community Right to Know Act. SARA Section 302 Extremely Hazardous Substances, CERCL Hazardous Substances and SARA Section 313 Toxic Chemicals (Title III, List of Lists) (for Microcomputers).
PB92-501774/REB 92-01 CP **D02**

Organic Contract Compliance Screening System (OCCSS) Software (OLM01.8 Version 2) (for Microcomputers).
PB92-502202/REB 92-04 CP **D02**

Progress Toward Implementing Superfund, Fiscal Year 1990: A Report to the Congress.
PB92-963256/REB 92-01 PC **E05**/MF **A04**

Regional Pilot Projects and Initiatives.
PB92-963259/REB 92-01 PC **A01**/MF **A01**

Congressional Limits for FY 92 Alternative Remedial Contracting Strategy (ARCS) Program Management Costs.
PB92-963260/REB 92-01 PC **A01**/MF **A01**

Smart Moves in Superfund - Regional Initiatives. Volume 1, Number 1, February 1992.
PB92-963272/REB 92-04 PC **A01**/MF **A01**

Regional Pilots and Applications of Superfund Accelerated Cleanup Model (SACM).
PB92-963273/REB 92-04 PC **A01**/MF **A01**

Identification of a Senior Superfund Official for Addressing Special NPL Site-Related Issues.
PB92-963277/REB 92-04 PC **A01**/MF **A01**

PA-Score Software, Version 1.0. Users Manual and Tutorial.
PB92-963302/REB 92-01 PC **A04**/MF **A01**

Revision of Policy Regarding Superfund Project Assignment between Alternative Remedial Contracting Strategy Contractors and the U.S. Army Corps of Engineers.
PB92-963327/REB 92-01 PC **A01**/MF **A01**

Community Relaticns in Superfund: A Handbook.
PB92-963341/REB 92-01 PC **A12**/MF **A03**

PREscore Software. Users Manual and Tutorial. Version 1.0.
PB92-963349/REB 92-01 PC **A05**/MF **A01**

Guide to Management of Investigation-Derived Wastes.
PB92-963353/REB 92-01 PC **A02**/MF **A01**

Guidance for Data Useability in Risk Assessment (Part A).
PB92-963356/REB 92-04 PC **A13**/MF **A03**

Superfund Accelerated Cleanup Bulletin: Presumptive *Remedies for Wood Treatment Facilities. Volume* 1, Number 2, May 1992.
PB92-963361/REB 92-04 PC **A01**/MF **A01**

Guidance for Data Useability in Risk Assessment.
PB92-963363/REB 92-04 PC **A02**/MF **A01**

Remedial Action Report: Documentation for Operable Unit Completion.
PB92-963364/REB 92-04 PC **A01**/MF **A01**

FY 1992 Themes for Regional Coordination to Support Continuous Improvements of Superfund's Remedial Program.
PB92-963368/REB 92-04 PC **A02**/MF **A01**

ECO Update. Volume 1, Number 3. The Role of Natural Resource Trustees in the Superfund Process.
PB92-963369/REB 92-04 PC **A03**/MF **A01**

ECO Update. Volume 1, Number 4. Developing a Work Scope for Ecological Assessments.
PB92-963370/REB 92-04 PC **A03**/MF **A01**

Superfund Accelerated Cleanup Bulletin. Volume 1, Number 3. Presumptive Remedies.
PB92-963371/REB 92-04 PC **A01**/MF **A01**

Understanding Superfund Risk Assessment.
PB92-963372/REB 92-04 PC **A02**/MF **A01**

Supplemental Guidance to RAGS: Calculating the Concentration Term. Volume 1, Number 1, May 1992.
PB92-963373/REB 92-04 PC **A02**/MF **A01**

Superfund Emergency Response Actions: A Summary of Federally-Funded Removals. Fifth Annual Report - Fiscal Year 1990.
PB92-963403/REB 92-01 PC **A08**/MF **A02**

Compendium of ERT Field Analytical Procedures.
PB92-963405/REB 92-04 PC **A05**/MF **A01**

Compendium of ERT Air Sampling Procedures.
PB92-963406/REB 92-04 PC **A07**/MF **A02**

CERCLA Notifications: Emergency Response Notification System (ERNS) Fact Sheet.
PB92-963411/REB 92-04 PC **A01**/MF **A01**

Overview of ERNS: Emergency Response Notification *System (ERNS) Fact Sheet.*
PB92-963412/REB 92-04 PC **A01**/MF **A01**

Analysis of State Superfund Programs: 50-State Study. 1991 Update.
PB92-963418/REB 92-04 PC **A12**/MF **A03**

Guide to Removal Enforcement.
PB92-963419/REB 92-04 PC **A01**/MF **A01**

Notification Requirements for Continuous Releases of Hazardous Substances.
PB92-963422/REB 92-04 PC **A02**/MF **A01**

Overview of the Off-Site Policy for OSCs and RPMs.
PB92-963603/REB 92-01 PC **A01**/MF **A01**

Guidance on Preparing Waste-in Lists and Volumetric Rankings for Release to Potentially Responsible Parties (PRPs) under CERCLA.
PB92-963606/REB 92-01 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 3): Middletown Air Field Site, Middletown, PA. (Second Remedial Action), December 1990.
PB92-963904/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 3): Hellertown Manufacturing Company, Hellertown Borough, Northampton County, PA. (First Remedial Action), September 1991.
PB92-963905/REB 92-01 PC **A04**/MF **A01**

Superfund Record of Decision (EPA Region 3): Hebelka Auto Salvage Yard, Weisenber Township, Lehigh County, PA. (Second Remedial Action), September 1991.
PB92-963906/REB 92-01 PC **A03**/MF **A01**

Superfund Record of Decision (EPA Region 3): Dorney Road Landfill Site, Upper Macungie Township, Lehigh County, PA. (Second Remedial Action), September 1991.
PB92-963907/REB 92-01 PC **A05**/MF **A01**

WASTE MINIMIZATION

Industrial Pollution Prevention Opportunities for the 1990s.
PB91-220376/REB 92-01 PC **A04**/MF **A01**

Guides to Pollution Prevention: The Fiberglass-Reinforced and Composite Plastics Industry.
PB91-227967/REB 92-01 PC **A04**/MF **A01**

Guides to Pollution Prevention: The Pharmaceutical Industry.
PB92-100080/REB 92-01 PC **A05**/MF **A01**

Waste Minimization Assessment for a Manufacturer of Refurbished Railcar Bearing Assemblies.
PB92-104348/REB 92-01 PC **A01**/MF **A01**

Waste Minimization Assessment for a Manufacturer of Prototype Printed Circuit Boards.
PB92-104355/REB 92-01 PC **A01**/MF **A01**

Waste Minimization Assessment for a Manufacturer of Speed Reduction Equipment.
*PB92-104363/REB 92-01 PC **A01**/MF **A01***

Waste Minimization Assessment for a Manufacturer of Printed Labels.
PB92-104371/REB 92-01 PC **A02**/MF **A01**

Waste Minimization Opportunity Assessment: Scott Air Force Base.
PB92-105402/REB 92-01 PC **A06**/MF **A02**

Waste Reduction Technology Evaluations of the U.S. EPA WRITE Program.
PB92-108133/REB 92-01 PC **A02**/MF **A01**

Evaluation of Five Waste Minimization Technologies at the General Dynamics Pomona Division Plant.
PB92-125756/REB 92-01 PC **A04**/MF **A01**

Guides to Pollution Prevention: The Photoprocessing Industry.
PB92-129121/REB 92-01 PC **A04**/MF **A01**

Guides to Pollution Prevention: The Automotive Refinishing Industry.
PB92-129139/REB 92-01 PC **A04**/MF **A01**

Achievements in Source Reduction and Recycling for Ten Industries in the United States.
PB92-137470/REB 92-01 PC **A04**/MF **A01**

Waste Minimization for Non-Agricultural Pesticide Applicators: EPA's Pollution Prevention Guide.
PB92-153774/REB 92-01 PC **A02**/MF **A01**

Pollution Prevention Case Studies Compendium.
PB92-180165/REB 92-01 PC **A06**/MF **A02**

Asia Pacific Cleaner Production Conference: Cooperative Approaches in Minimising Hazardous Wastes. Held in Melbourne, Australia on February 24-27, 1992.
PB92-180173/REB 92-01 PC **A02**/MF **A01**

Waste Minimization Assessment for a Manufacturer of Automotive Air Conditioning Condensers and Evaporators.
PB92-188739/REB 92-01 PC **A02**/MF **A01**

Waste Minimization Assessment for a Manufacturer of Metal Bands, Clamps, Retainers, and Tooling.
PB92-188747/REB 92-01 PC **A02**/MF **A01**

Waste Minimization Assessment for a Manufacturer Producing Galvanized Steel Parts.
PB92-189695/REB 92-01 PC **A02**/MF **A01**

Waste Minimization Assessment for a Manufacturer of Metal-Plated Display Racks.
PB92-189703/REB 92-01 PC **A02**/MF **A01**

Waste Minimization Assessment for a Manufacturer of Aluminum Extrusions.
PB92-192137/REB 92-01 PC **A02**/MF **A01**

Waste Minimization Assessment for a Manufacturer of Motor Vehicle Exterior Mirrors.
PB92-192806/REB 92-01 PC **A01**/MF **A01**

Waste Minimization Assessment for a Printed Circuit Board Manufacturer.
PB92-196344/REB 92-04 PC **A02**/MF **A01**

Waste Minimization Assessment for a Manufacturer of Commercial Ice Machines and Ice Storage Bins.
PB92-196351/REB 92-01 PC **A02**/MF **A01**

Waste Minimization Assessment for a Manufacturer of Permanent-Magnet DC Electric Motors.
PB92-196369/REB 92-04 PC **A02**/MF **A01**

Waste Minimization Assessment for a Manufacturer of Sheet Metal Cabinets and Precision Metal Parts.
PB92-196377/REB 92-04 PC **A02**/MF **A01**

Waste Minimization Assessment for a Manufacturer of Can-Manufacturing Equipment.
PB92-196385/REB 92-04 PC **A01**/MF **A01**

Waste Minimization Assessment for an Aluminum Extrusions Manufacturer.
PB92-196393/REB 92-04 PC **A02**/MF **A01**

Waste Minimization Assessment for a Manufacturer Producing Treated Wood Products.
PB92-196401/REB 92-04 PC **A01**/MF **A01**

Modifications to Reduce Drag Out at a Printed Circuit Board Manufacturer.
PB92-198555/REB 92-04 PC **A03**/MF **A01**

Waste Minimization Assessment for a Manufacturer of Chemicals.
PB92-203595/REB 92-01 PC **A02**/MF **A01**

European Packaging Initiatives: Leading the Way on Source Reduction.
PB92-206242/REB 92-04 PC **A02**/MF **A01**

Waste Minimization Opportunity Assessment Manual.
PB92-216985/REB 92-04 PC **A06**/MF **A02**

Waste Minimization Assessment for a Manufacturer of Military Furniture.
*PB92-217256/REB 92-04 PC **A01**/MF **A01***

Waste Minimization Assessment for a Dairy.
PB92-217264/REB 92-04 PC **A01**/MF **A01**

Waste Minimization Assessment for a Manufacturer of Components for Automobile Air Conditioners.
PB92-217272/REB 92-04 PC **A01**/MF **A01**

Waste Reduction Activities and Options at a Printer of Forms and Supplies for the Legal Profession.
PB92-217496/REB 92-04 PC **A02**/MF **A01**

Pollution Prevention Opportunity Assessment Histology Laboratory Xylene Use, Fort Carson, Colorado.
PB92-228436/REB 92-04 PC **A05**/MF **A01**

Automated Aqueous Rotary Washer for the Metal Finishing Industry. *Technology Evaluation Report.*
PB92-232214/REB 92-04 PC **A04**/MF **A01**

Waste Reduction Activities and Options for a Nuclear Powered Electrical Generating Station.
PB92-235654/REB 92-04 PC **A02**/MF **A01**

Waste Reduction Activities and Options for a Local Board of Education in New Jersey.
PB92-238476/REB 92-04 PC **A02**/MF **A01**

WASTE PAPERS

Reclaiming Fiber from Newsprint Dry Methods.
PB92-153949/REB 92-01 PC **A03**/MF **A01**

WASTE PROCESSING

Volatile Emissions from Stabilization/Solidification of Hazardous Waste.
PB92-217371/REB 92-04 PC **A03**/MF **A01**

WASTE RECYCLING

States' Efforts to Promote Lead-Acid Battery Recycling.
PB92-119965/REB 92-01 PC **A04**/MF **A01**

Achievements in Source Reduction and Recycling for Ten Industries in the United States.
PB92-137470/REB 92-01 PC **A04**/MF **A01**

Ten Year Review of Plastics Recycling.
PB92-153402/REB 92-01 PC **A03**/MF **A01**

Automotive and Heavy-Duty Engine Coolant Recycling by Distillation: Technology Evaluation Report.
PB92-153444/REB 92-01 PC **A05**/MF **A01**

Reclaiming Fiber from Newsprint Dry Methods.
PB92-153949/REB 92-01 PC **A03**/MF **A01**

Waste Minimization Assessment for a Manufacturer of Can-Manufacturing Equipment.
PB92-196385/REB 92-04 PC **A01**/MF **A01**

European Packaging Initiatives: Leading the Way on Source Reduction.
PB92-206242/REB 92-04 PC **A02**/MF **A01**

WASTE STORAGE

Superfund Record of Decision (EPA Region 4): Charles Macon Lagoon and Drum Storage, Richmond County, Cordova, NC. (First Remedial Action), September 1991.
PB92-964023/REB 92-04 PC **A07**/MF **A02**

WASTE TIRES

Burning Tires for Fuel and Tire Pyrolysis: Air Implications.
PB92-145358/REB 92-01 PC **A11**/MF **A03**

WASTE TREATMENT

Biological Treatment of Wood Preserving Site Groundwater by BioTrol, Inc. Applications Analysis Report.
PB91-227983/REB 92-01 PC **A04**/MF **A01**

Pilot-Scale Incineration of Contaminated Soil from the Purity Oil Sales and McColl Superfund Sites.
PB92-105857/REB 92-01 PC **A04**/MF **A01**

Fate of Polychlorinated Biphenyls (PCBs) in Soil Following Stabilization with Quicklime.
PB92-114487/REB 92-01 PC **A07**/MF **A02**

Selection of Control Technologies for Remediation of Lead Battery Recycling Sites.
PB92-114537/REB 92-01 PC **A08**/MF **A02**

Proceedings of International Workshop on Research in Pesticide Treatment/Disposal/Waste Minimization. Held in Cincinnati, Ohio on February 26-27, 1991.
PB92-119940/REB 92-01 PC **A10**/MF **A03**

U.S. EPA Program for Evaluation of Treatment and Utilization Technologies for Municipal Waste Combustion Residues.
PB92-121185/REB 92-01 PC **A03**/MF **A01**

Comparison of Five Solidification/Stabilization Processes for Treatment of Municipal Waste Combustion Residues. Part 1. Physical Testing.
PB92-121193/REB 92-01 PC **A03**/MF **A01**

Comparison of Solidification/Stabilization Processes for Treatment of Municipal Waste Combustion Residues. Part 2. Leaching Properties.
*PB92-121201/REB 92-01 PC **A03**/MF **A01***

Prospects for In situ Chemical Treatment for Contaminated Soil.
PB92-126929/REB 92-01 PC **A02**/MF **A01**

Evaluation of Waste Stabilized by the Soliditech SITE Technology.
PB92-136878/REB 92-01 PC **A02**/MF **A01**

Demonstration of Microfiltration Technology.
PB92-136936/REB 92-01 PC **A02**/MF **A01**

EPA SITE Demonstration of the Horsehead Resource Development Company Flame Reactor Technology.
PB92-139401/REB 92-01 PC **A02**/MF **A01**

Methodologies for Evaluating In situ Bioremediation of Chlorinated Solvents.
PB92-146943/REB 92-01 PC **A05**/MF **A02**

Best Demonstrated Available Technology (BDAT) Background Document for Quality Assurance/Quality Control Procedures and Methodology.
PB92-149277/REB 92-01 PC **A07**/MF **A02**

Control Technologies for Defunct lead Battery Recycling Sites: Overview and Recent Developments. Volume 3.
PB92-150416/REB 92-01 PC **A03**/MF **A01**

U.S. Environmental Protection Agency's SITE Emerging Technology Program: 1991 Update.
PB92-150663/REB 92-01 PC **A02**/MF **A01**

Developments in Chemical Treatment of Contaminated Soil.
PB92-152933/REB 92-01 PC **A03**/MF **A01**

Technical Implementation Document for EPA's Boiler and Industrial Furnace Regulations.
PB92-154947/REB 92-01 PC **A11**/MF **A03**

Exposure and Release Estimations for Filter Press and Tray Dryer Operations Based on Pilot Plant Data.
PB92-158450/REB 92-01 PC **A14**/MF **A03**

Annual Risk Reduction Engineering Laboratory Research Symposium (18th) Abstract Proceedings. Held in Cincinnati, Ohio on April 14-16, 1992.
PB92-166859/REB 92-01 PC **A11**/MF **A03**

Innovative Treatment Technologies: Semi-Annual Status Report. *(Third Edition).*
PB92-173210/REB 92-01 PC **A05**/MF **A01**

Innovative Treatment Technologies: Overview and Guide to Information Sources.
PB92-179001/REB 92-01 PC **A20**/MF **A04**

Demonstration of Waste Treatment Technologies.
PB92-179670/REB 92-01 PC **A02**/MF **A01**

Air Stripping of Aqueous Solutions. Engineering Bulletin.
PB92-180033/REB 92-01 PC **A02**/MF **A01**

Granular Activated Carbon Treatment. Engineering Bulletin.
PB92-180058/REB 92-01 PC **A02**/MF **A01**

Chemical Oxidation Treatment. Engineering Bulletin.
PB92-180066/REB 92-01 PC **A02**/MF **A01**

Solidification/Stabilization: Is It Always Appropriate.
PB92-191188/REB 92-01 PC **A03**/MF **A01**

Vitrification Technologies for Treatment of Hazardous and Radioactive Waste.
PB92-201110/REB 92-04 PC **A05**/MF **A01**

Horsehead Resource Development Company, Inc. Flame Reactor Technology: Applications Analysis Report.
PB92-213214/REB 92-04 PC **A04**/MF **A01**

Causes and Control of Activated Sludge Bulking and Foaming.
PB92-216977/REB 92-04 PC **A05**

Hazardous Waste Degradation by Wood Degrading Fungi.
PB92-217082/REB 92-04 PC **A03**/MF **A01**

Technology Evaluation Report: The Carver-Greenfield Process, Dehydro-Tech Corporation.
PB92-217462/REB 92-04 PC **A11**/MF **A03**

Forum on Innovative Hazardous Waste Treatment Technologies (3rd): Domestic and International. Held in Dallas, Texas on June 11-13, 1991. Technical Papers.
PB92-219732/REB 92-04 PC **A22**/MF **A04**

Vendor Information System for Innovative Treatment Technologies. User Manual (VISITT Version 1.0). Number 1.
PB92-221647/REB 92-04 PC **A03**/MF **A01**

Supercritical Water Oxidation: Engineering Bulletin.
PB92-224088/REB 92-04 PC **A02**/MF **A01**

Superfund Innovative Technology Evaluation Program: Progress and Accomplishments, Fiscal Year 1990. A Fourth Report to Congress.
PB92-224799/REB 92-04 PC **A05**/MF **A01**

Technology Evaluation Report: Site Program Demonstration of a Trial Excavation at the McColl Superfund Site.
PB92-226448/REB 92-04 PC **A10**/MF **A03**

Guide for Conducting Treatability Studies under CERCLA: Soil Vapor Extraction. Interim Guidance.
PB92-227271/REB 92-04 PC **A05**/MF **A01**

Technology Evaluation Report: Ogden Circulating Bed Combustor at the McColl Superfund Site.
PB92-227289/REB 92-04 PC **A04**/MF **A01**

Removal of Creosote from Soil by Bioslurry Reactors.
PB92-227339/REB 92-04 PC **A03**/MF **A01**

Radioactive Site Remediation Technologies Seminar. Speaker Slide Copies.
PB92-231174/REB 92-04 PC **A04**/MF **A01**

Guide for Conducting Treatability Studies under CERCLA: Soil Vapor Extraction. Quick Reference Fact Sheet.
PB92-231281/REB 92-04 PC **A02**/MF **A01**

Chemical Dehalogenation Treatability Studies under CERCLA: An Overview.
PB92-231299/REB 92-04 PC **A02**/MF **A01**

Retech, Inc., Plasma Centrifugal Furnace: Applications Analysis Report.
PB92-231315/REB 92-04 PC **A04**/MF **A01**

Development Document for Interim Final and Proposed Effluent Limitations Guidelines and Proposed New Source Performance Standards for the Bleached Kraft, Groundwood, Sulfite, Soda, Deink, and Non-Integrated Paper Mills. Point Source Category. *Volume 2. Sections 8 - 15.*
PB92-231562/REB 92-04 PC **A13**/MF **A03**

Guidance Manual for *Pulp, Paper, and Paperboard* and Builders' Paper and Board Mills Pretreatment Standards.
PB92-231638/REB 92-04 PC **A04**/MF **A01**

Development Document for Interim Final and Proposed Effluent Limitations Guidelines and Proposed New Source Performance Standards for the Bleached Kraft, Groundwood, Sulfite, Soda, Deink and Non-Integrated Paper Mills. Volume 1. Segment of the Pulp, Paper, and Paperboard. Point Source Category. Group 1. Phase 2.
PB92-231869/REB 92-04 PC **A20**/MF **A04**

Development Document for Interim Final Effluent Limitations Guidelines and Proposed New Source Performance Standards for the Calcium Carbide Segment of the Ferroally Manufacturing. Point Source Category. Group 1, Phase 2.
PB92-231919/REB 92-04 PC **A05**/MF **A01**

Guidance Document for Effluent Discharges from the Auto and Other Laundries. Point Source Category.
PB92-231927/REB 92-04 PC **A09**/MF **A03**

Guidance Development Document for Effluent Limitations Guidelines and New Source Performance Standards for the Concrete Products. Point Source Category.
PB92-231943/REB 92-04 PC **A08**/MF **A02**

Development Document for Interim Final Effluent Limitations Guidelines and Proposed New Source Performance Standards for the Explosives Manufacturing. Point Source Category. Group 2.
PB92-231950/REB 92-04 PC **A11**/MF **A03**

Development Document for Interim Final Effluent Limitations Guidelines and Proposed New Source Performance Standards for the Raw Cane Sugar Processing. Segment of the Sugar Processing. Point Source Category. Group 1, Phase 2.
PB92-231968/REB 92-04 PC **A14**/MF **A03**

Development Document for Proposed Effluent Limitations Guidelines and Standards for Control of Polychlorinated Biphenyls in the Deink Subcategory of the Pulp, Paper and Paperboard. Point Source Category.
PB92-231984/REB 92-04 PC **A05**/MF **A01**

Developmental Document for Effluent Limitations Guidelines and New Source Performance Standards for the Other Non-Fertilizer Phosphate Chemicals Segment of the Phosphate Manufacturing. Point Source Category. Group 1, Phase 2.
PB92-231992/REB 92-04 PC **A06**/MF **A02**

Development Document for Proposed Effluent Limitations Guidelines and Standards for the Shipbuilding and Repair. Point Source Category.
PB92-232032/REB 92-04 PC **A07**/MF **A02**

Development Document for Effluent Limitations Guidelines and Standards for the Gum and Wood Chemicals Manufacturing. Point Source Category.
PB92-232040/REB 92-04 PC **A12**/MF **A03**

Guide for the Application of Effluent Limitations Guidelines for the Petroleum Refining Industry.
PB92-232057/REB 92-04 PC **A11**/MF **A03**

Development Document for Interim Final and Proposed Effluent Limitations Guidelines and New Source Performance Standards for the Fruits, Vegetables and Specialties. Segment of the Canned and Preserved Fruits and Vegetables. Point Source Category.
PB92-232065/REB 92-04 PC **A23**/MF **A04**

Preliminary Data Summary for the Wood Preserving Segment of the Timber Products Processing Point Source Category.
PB92-232156/REB 92-04 PC **A07**/MF **A02**

Contaminants and Remedial Options at Wood Preserving Sites.
PB92-232222/REB 92-04 PC **A07**/MF **A02**

Bioremediation Case Studies: Abstracts.
PB92-232347/REB 92-04 PC **A12**/MF **A03**

Procuring Innovative Technologies at Remedial Sites: Q's and A's and Case Studies.
PB92-232388/REB 92-04 PC **A03**/MF **A01**

Citizen's Guide to Thermal Desorption.
PB92-232396/REB 92-04 PC **A02**/MF **A01**

Citizen's Guide to How Innovative Treatment Technologies *Are Being Successfully* Applied at Superfund Sites.
PB92-233071/REB 92-04 PC **A01**/MF **A01**

Citizen's Guide to Solvent Extraction.
PB92-233089/REB 92-04 PC **A01**/MF **A01**

Superfund Innovative Technology Evaluation Program: Spring Update to the Technology Profiles. Fourth Edition.
PB92-233121/REB 92-04 PC **A03**/MF **A01**

Forum on Innovative Hazardous Waste Treatment Technologies (3rd): Domestic and International. Held in Dallas, Texas on June 11-13, 1991. Abstract Proceedings.
PB92-233881/REB 92-04 PC **A05**/MF **A01**

Superfund Innovative Technology Evaluation (SITE): Demonstration Bulletin. Flame Reactor, Horsehead Resource Development Company, Inc.
PB92-235613/REB 92-04 PC **A01**/MF **A01**

Rotating Biological Contactors. Engineering Bulletin.
PB92-235936/REB 92-04 PC **A02**/MF **A01**

Andrew W. Breidenbach Environmental Research Center Small Systems Resource Directory.
PB92-239565/REB 92-04 PC **A04**/MF **A01**

Guide to Principal Threat and Low Level Threat Wastes.
PB92-963345/REB 92-01 PC **A01**/MF **A01**

Summary of Treatment Technology Effectiveness for Contaminated Soil.
PB92-963351/REB 92-01 PC **A23**/MF **A04**

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U.S. EPA Program for Evaluation of Treatment and Utilization Technologies for Municipal Waste Combustion Residues.
PB92-121185/REB 92-01 PC **A03**/MF **A01**

Waste Combustion System Analysis.
PB92-125418/REB 92-01 PC **A06**/MF **A02**

Current Status of ADVACATE Process for Flue Gas Desulfurization (Journal Article).
PB92-150622/REB 92-01 PC **A02**/MF **A01**

Potential Uses of Phosphogypsum and Associated Risks. Background Information Document.
PB92-196054/REB 92-01 PC **A06**/MF **A02**

WASTE WATER

Separation of Hazardous Organics by Low Pressure *Membranes: Treatment of Soil-Wash Rinse-Water Leachates.*
PB92-153436/REB 92-01 PC **A07**/MF **A02**

WASTE WATER REUSE

Cape Cod Waste Water Renovation and Retrieval System, a Study of Water Treatment and Conservation First Year of Operation.
PB92-174408/REB 92-01 PC **A10**/MF **A03**

WASTE WATER TREATMENT

Toxicity Reduction Evaluation at a Municipal Wastewater Treatment Plant Using Mutagenicity as an Endpoint.
PB92-232834/REB 92-04 PC **A02**/MF **A01**

WASTES (INDUSTRIAL)

Developing Sediments Quality Standards: Comprehensive Sediment Management in Puget Sound.
AD-P006 465/9/REB 92-01 PC **A03**/MF **A01**

WATER

Leaf Photosynthetic and Water Relations Responses for 'Valencia' Orange Trees Exposed to Oxidant Air Pollution.
PB92-153857/REB 92-01 PC **A03**/MF **A01**

Physical and Chemical Characterization of Indoor Aerosols *Resulting from the Use of Tap Water in Portable* Home Humidifiers.
PB92-188937/REB 92-01 PC **A02**/MF **A01**

Prediction of Octanol/Water Partition Coefficient (K sub ow) with Algorithmically Derived Variables.
PB92-217348/REB 92-04 PC **A02**/MF **A01**

Supercritical Water Oxidation: Engineering Bulletin.
PB92-224088/REB 92-04 PC **A02**/MF **A01**

WATER ANALYSIS

Determination of alpha-emitting nuclides of plutonium, americium and curium in environmental materials: Pt. 1. Sea water.
DE92614732/REB 92-01 PC **A03**/MF **A01**

Application of Multispectral Techniques to the Precise Identification of Aldehydes in the Environment.
PB92-101419/REB 92-01 PC **A02**/MF **A01**

Multispectral Identification of Alkyl and Chloroalkyl Phosphates from an Industrial Effluent.
PB92-124353/REB 92-01 PC **A02**/MF **A01**

Influence of Experimental Conditions on the Liquid Secondary Ion Mass Spectra of Sulfonated Azo Dyes.
PB92-124361/REB 92-01 PC **A02**/MF **A01**

Quality Assurance Project Plan for the National Pesticide Survey of Drinking Water Wells.
PB92-168509/REB 92-04 PC **A07**/MF **A02**

Quality Assurance Project Plan for the National Pesticide Survey of Drinking Water Wells: Analytical Method 1 - Nitrogen/Phosphorous Pesticides and Analytical Method 3 - Chlorinated Acid Herbicides.
PB92-168517/REB 92-04 PC **A12**/MF **A03**

Quality Assurance Plan for the National Pesticide Survey of Drinking Water Wells: Analytical Method 2 - Chlorinated Pesticides.
PB92-168525/REB 92-04 PC **A08**

Quality Assurance Project Plan for the National Pesticide Survey of Drinking Water Wells: Analytical Method 5 - Methyl Carbamates.
PB92-168541/REB 92-04 PC **A06**/MF **A02**

Quality Assurance Project Plan for the National Pesticide Survey of Drinking Water Wells: Analytical Method 6.
PB92-168558/REB 92-04 PC **A07**/MF **A02**

Quality Assurance Project Plan for the National Pesticide Survey of Drinking Water Wells: Analytical Method 7 - Fumigants.
PB92-168566/REB 92-04 PC **A06**/MF **A02**

Quality Assurance Project Plan for the National Pesticide Survey of Drinking Water Wells: Analytical Method 9 - Nitrate and Nitrite.
PB92-168574/REB 92-04 PC **A05**/MF **A01**

Quality Assurance Project Plan for the National Pesticide Survey of Drinking Water Wells Referee Analyses for Analytical Method 2 - Organochlorine Pesticides, Analytical Method 4 - Carbamates, Method 5 - Methylcarbamates, Method 7 - Fumigants, and Method 9 - Nitrate/Nitrite.
PB92-168582/REB 92-04 PC **A11**/MF **A03**

Quality Assurance Project Plan for the National Pesticide Survey of Drinking Water Wells: Analytical Method 1.
PB92-168590/REB 92-04 PC **A08**/MF **A02**

Quality Assurance Project Plan for the National Pesticide Survey of Drinking Water Wells: Analytical Method 3.
PB92-168608/REB 92-04 PC **A09**/MF **A02**

Quality Assurance Project Plan for the National Pesticide Survey of Drinking Water Wells: Analytical Method 6 - Ethylene Thiourea.
PB92-168616/REB 92-04 PC **A07**/MF **A02**

Quality Assurance Project Plan for the National Survey of Pesticides in Drinking *Water Wells: Well Sampling,* Data Collection and Processing.
PB92-168632/REB 92-04 PC **A07**/MF **A02**

Quality Assurance Project Plan for the National Pesticide Survey of Drinking Water Wells: Survey Statistics, Data Collection and Processing.
PB92-168640/REB 92-04 PC **A04**/MF **A01**

Comparison of Methods for Determination of Dissolved Inorganic Carbon (DIC).
PB92-179712/REB 92-01 PC **A03**/MF **A01**

Comprehensive Evaluation of a Field Test Kit for Lead.
PB92-179720/REB 92-01 PC **A03**/MF **A01**

Application of Modified Aluminon and GFAAS Methods to Beryllium Determination in Drinking Water.
PB92-180199/REB 92-01 PC **A02**/MF **A01**

Ozonation/Post-Chlorination of Humic Acid: A Model for Predicting Drinking Water Disinfection By-Products.
PB92-180280/REB 92-01 PC **A03**/MF **A01**

Methods for the Determination of Nonconventional Pesticides in Municipal and Industrial Wastewater.
PB92-190289/REB 92-01 PC **A99**/MF **E08**

Waste Minimization Assessment for a Manufacturer of Water Analysis Instrumentation.
PB92-217280/REB 92-04 PC **A01**/MF **A01**

WATER CHEMISTRY

Analysis and Interpretation of Zooplankton Samples Collected during Phase 2 of the Eastern Lake Survey.
PB92-136829/REB 92-01 PC **A14**/MF **A03**

Acidic Episodes in Surface Waters in Europe.
PB92-188853/REB 92-01 PC **A03**/MF **A01**

Direct/Delayed Response Project: *Future Effects of* Long-Term Sulfur Deposition on Stream Chemistry in the Mid-Appalachian Region of the Eastern United States.
PB92-232370/REB 92-04 PC **A18**/MF **A04**

WATER CONSERVATION

Cape Cod Waste Water Renovation and Retrieval *System, a Study of Water Treatment* and Conservation First Year of Operation.
PB92-174408/REB 92-01 PC **A10**/MF **A03**

WATER CURRENTS

Approach to Calculating Wind-Driven Currents and Transport of Substances in Unstratified Water Bodies Using Curvilinear Coordinates.
PB92-232966/REB 92-04 PC **A02**/MF **A01**

WATER CURTAINS

Storage of Combined Sewage in a Marine Waterbody.
PB92-158542/REB 92-01 PC **A03**/MF **A01**

Demonstration of in-Receiving Water Storage of Com*bined Sewer Overflows: In a Marine*/Estuarine Environment by the Flow Balance Method.
PB92-158575/REB 92-01 PC **A02**/MF **A01**

WATER DISTRIBUTION

Field-Testing Distribution Water Quality Models.
PB92-113182/REB 92-01 PC **A03**/MF **A01**

Standardized Costs for Water Supply Distribution Systems.
PB92-141290/REB 92-01 PC **A15**/MF **A03**

Drinking Water Systems: Three Approaches to Improve Mobile Home Park Compliance.
PB92-164714/REB 92-01 PC **A05**/MF **A02**

Handbook of State Management Practices, July 1984.
PB92-164755/REB 92-01 PC **A08**/MF **A02**

Standardized Costs for Water Supply Distribution (for Microcomputers).
PB92-501436/REB 92-01 CP **D02**

WATER DISTRIBUTION (APPLIED)

Manual of Small Public Water Supply Systems.
PB92-117936/REB 92-01 PC **A10**/MF **A03**

Manual of Individual and Non-Public Water Supply Systems.
PB92-117944/REB 92-01 PC **A09**/MF **A02**

Your Drinking Water: From Source to Tap EPA Regulations and Guidance.
PB92-140599/REB 92-01 PC **A03**/MF **A01**

WATER FLOW

Ground Water Models: Scientific and Regulatory Applications.
PB92-224138/REB 92-04 PC **A14**/MF **A03**

Technical Guidance Manual for Performing Waste Load Allocations. Book 3: Estuaries. Part 1: Estuaries and Waste Load Allocation Models.
PB92-231729/REB 92-04 PC **A05**/MF **A01**

Technical Guidance Manual for Performing Waste Load Allocations. Book 3: Estuaries. Part 2: Application of Estuarine Waste Load Allocation Models.
PB92-231737/REB 92-04 PC **A06**/MF **A02**

Technical Guidance Manual for Performing Waste Load Allocations. Book 3: Estuaries. Part 3: Use of Mixing Zone Models in Estuarine Waste Load Allocations.
PB92-231745/REB 92-04 PC **A03**/MF **A01**

Technical Guidance Manual for Performing Waste Load Allocations. Book 3: Estuaries. Part 4: Critical Review of Estuarine WLA Modeling.
PB92-231752/REB 92-04 PC **A04**/MF **A01**

WATER MANAGEMENT

Characteristics of Successful Riparian Restoration Projects in the Pacific Northwest.
PB92-196039/REB 92-04 PC **A04**/MF **A01**

Application of Dye-Tracing Techniques for Determining Solute-Transport Characteristics of Ground Water in Karst Terranes.
PB92-231356/REB 92-04 PC **A06**/MF **A02**

WATER MANAGEMENT (APPLIED)

Trends and Patterns in Section 404 Permitting Requiring Compensatory Mitigation in Oregon and Washington, USA.
PB92-153907/REB 92-01 PC **A03**/MF **A01**

WATER POLLUTANTS

Benzene Groundwater Exposure Study, Nesmith, South Carolina.
PB92-123801/REB 92-01 PC **A03**/MF **A01**

Development of Predictive Structure-Biodegradation Relationship Models with the Use of Respirometrically Generated Biokinetic Data.
PB92-191196/REB 92-01 PC **A03**/MF **A01**

WATER POLLUTION

Update on Implementation of the Oil Pollution Act of 1990. Volume 1, Number 4, September 1991.
PB91-921374/REB 92-01 PC **A02**/MF **A01**

Quantitative Assessment of the Effects of Metals on Microbial Degradation of Organic Chemicals.
PB92-101385/REB 92-01 PC **A02**/MF **A01**

Regiospecific Dechlorination of Pentachlorophenol by Dichlorophenol-Adapted Microorganisms in Freshwater, Anaerobic Sediment Slurries.
PB92-101674/REB 92-01 PC **A03**/MF **A01**

Monitoring Guidelines to Evaluate Effects of Forestry Activities on Streams in the Pacific Northwest and Alaska.
PB92-104520/REB 92-01 PC **A09**/MF **A02**

Permit Tracking System (PTS): A User's Manual.
PB92-105659/REB 92-01 PC **A08**/MF **A02**

Modeling of Nonpoint Source Water Quality in Urban and Non-urban Areas.
PB92-109115/REB 92-01 PC **A05**/MF **A01**

Evaluating Created Wetlands through Comparisons with Natural Wetlands.
PB92-111566/REB 92-01 PC **A03**/MF **A01**

Evaluation of Sorption Models in the Simulation of Naphthalene Transport Through Saturated Soils.
PB92-113190/REB 92-01 PC **A02**/MF **A01**

Performance Evaluations of Pump-and-Treat Remediations.
PB92-114461/REB 92-01 PC **A03**/MF **A01**

Mercury Deposition and Sources for the Upper Great Lakes Region.
PB92-120500/REB 92-01 PC **A03**/MF **A01**

Three Case Studies of Lake Temperature and Stratification Response to Warmer Climate.
PB92-121391/REB 92-01 PC **A03**/MF **A01**

Estimation of Water Solubility and Octanol/Water Partition Coefficient of Hydrophobic Dyes. Part 1. Relationship between Solubility and Partition Coefficient.
PB92-124320/REB 92-01 PC **A03**/MF **A01**

Estimation of Water Solubility and Octanol/Water Partition Coefficient of Hydrophobic Dyes. Part 2. Reverse-Phase High Performance Liquid Chromatography.
PB92-124338/REB 92-01 PC **A02**/MF **A01**

Regional Patterns and Local Variability of Dry and Occult Deposition Strongly Influence Sulfate Concentrations in Maine Lakes.
PB92-136951/REB 92-01 PC **A02**/MF **A01**

Seminar Publication: Nonpoint Source Watershed Workshop. Held in New Orleans, Louisiana, January 29-31, 1991.
PB92-137504/REB 92-01 PC **A10**/MF **A03**

Abiotic Transformations of Pesticides in Natural Waters and Sediments.
PB92-150481/REB 92-01 PC **A03**/MF **A01**

Sunlight-Induced Oxidation and Reduction of Organic Xenobiotics in Water, 1992.
PB92-150499/REB 92-01 PC **A03**/MF **A01**

Bacterial Transport through Homogeneous Soil.
PB92-153329/REB 92-01 PC **A02**/MF **A01**

Trends and Patterns in Section 404 Permitting Requiring Compensatory Mitigation in Oregon and Washington, USA.
PB92-153907/REB 92-01 PC **A03**/MF **A01**

Nitrate Occurence in U.S. Waters (and Related Questions). A Reference Summary of Published Sources from an Agricultural Perspective.
PB92-155696/REB 92-01 PC **A03**/MF **A01**

Transport of Inorganic Colloids through Natural Aquifer Material: Implications for Contaminant Transport.
PB92-158690/REB 92-01 PC **A02**/MF **A01**

Stability and Transport of Inorganic Colloids through Contaminated Aquifer Material.
PB92-164839/REB 92-01 PC **A02**/MF **A01**

Application of MINTEQA2 to the Speciation of Contaminants at Globe, Arizona.
PB92-166602/REB 92-01 PC **A02**/MF **A01**

QSARs for Predicting Biotic and Abiotic Reductive Transformation Rate Constants of Halogenated Hydrocarbons in Anoxic Sediment Systems.
PB92-166792/REB 92-01 PC **A03**/MF **A01**

QSARs for Predicting Reductive Transformation Rate Constants of Halogenated Aromatic Hydrocarbons in Anoxic Sediment Systems.
PB92-166800/REB 92-01 PC **A03**/MF **A01**

Reductive Transformations of Halogenated Aromatic Hydrocarbons in Anaerobic Water-Sediment Systems: Kinetics, Mechanisms and Products.
PB92-166818/REB 92-01 PC **A03**/MF **A01**

Bioaccumulation of Contaminants in Crabs and Clams in Bellingham Bay.
PB92-166867/REB 92-01 PC **A03**/MF **A01**

Reference Area Performance Standards for Puget Sound.
PB92-166917/REB 92-01 PC **A08**/MF **A02**

Report of the Great Lakes Air Toxics Research Priorities Workshop. Held at Navarre, Minnesota on March 11-13, 1991.
PB92-166933/REB 92-01 PC **A03**/MF **A01**

Modeling Contaminant Transport through Subsurface Systems.
PB92-179118/REB 92-01 PC **A03**/MF **A01**

Leaking Underground Storage Tanks and Health: Understanding Health Risks from Petroleum Contamination.
PB92-184969/REB 92-01 PC **A03**/MF **A01**

Surface-Charge Repulsive Effects on the Mobility of Inorganic Colloids in Surface Systems. Annual Colloid and Surface Science Symposium (65th). Held in Norman, Oklahoma on June 17-19, 1991.
PB92-191139/REB 92-01 PC **A03**/MF **A01**

Multiphase Chemical Transport in Porous Media.
PB92-205640/REB 92-04 PC **A03**/MF **A01**

Predicting the Precipitation of Acid and Direct Dyes in Natural Waters.
PB92-206200/REB 92-04 PC **A03**/MF **A01**

Temperature and Conductivity Modeling for the Buffalo River.
PB92-206226/REB 92-04 PC **A03**/MF **A01**

Status Report on Planktonic Cyanobacteria (Blue-Green Algae) and Their Toxins.
PB92-206259/REB 92-04 PC **A07**/MF **A02**

New Two-Phase Flow and Transport Model with Interphase Mass Exchange.
PB92-206564/REB 92-04 PC **A03**/MF **A01**

Methods for the Determination of Organic Compounds in Drinking Water. Supplement 2.
PB92-207703/REB 92-04 PC **A12**/MF **A03**

Optimal Adaptive Local Grid Refinement Approach to Modeling Contaminant Transport.
PB92-217314/REB 92-04 PC **A03**/MF **A01**

Chesapeake Bay Basin Comprehensive List of Toxic Substances.
PB92-221373/REB 92-04 PC **A04**/MF **A01**

Ground Water and Soil Contamination Remediation: Toward Compatible Science, Policy, and Public Perception. Report on a Colloquium Sponsored by the Water Science and Technology Board, Colloquium 5 of a Series.
PB92-224179/REB 92-04 PC **A12**/MF **A03**

Ground-Water Issue: The Effects of Well Casing Material on Ground Water-Quality.
PB92-224724/REB 92-04 PC **A03**/MF **A01**

Pesticides and Ground-Water Strategy.
PB92-225051/REB 92-04 PC **A06**/MF **A02**

Pesticides in Drinking-Water Wells.
PB92-225069/REB 92-04 PC **A03**/MF **A01**

Metals in Ground Water: Sampling Artifacts and Reproducibility.
PB92-227479/REB 92-04 PC **A03**/MF **A01**

Application of Dye-Tracing Techniques for Determining Solute-Transport Characteristics of Ground Water in Karst Terranes.
PB92-231356/REB 92-04 PC **A06**/MF **A02**

Contaminated Sediments: Relevant Statutes and EPA Program Activities.
PB92-231547/REB 92-04 PC **A07**/MF **A02**

Managing Contaminated Sediments. EPA Decision-Making Processes.
PB92-231653/REB 92-04 PC **A04**/MF **A01**

Special Interest Group (SIG) Forum for Fish Consumption Risk Management. User's Manual, v.1.0: A Division of the Nonpoint Source Information Exchange Computer Bulletin Board System (NPS BBS).
PB92-231687/REB 92-04 PC **A04**/MF **A01**

Supplement of Development Document Effluent Limitations, Guidelines New Source Performance Standards Reprint for the Renderer Segment of the Meat Products and Rendering. Point Source Category.
PB92-232008/REB 92-04 PC **A04**/MF **A01**

Fundamentals of Ground-Water Modeling. Ground Water Issue.
PB92-232354/REB 92-04 PC **A03**/MF **A01**

Direct/Delayed Response Project: Future Effects of Long-Term Sulfur Deposition on Stream Chemistry in the Mid-Appalachian Region of the Eastern United States.
PB92-232370/REB 92-04 PC **A18**/MF **A04**

Role of Property-Reactivity Relationships in Meeting the EPA's Needs for Environmental Fate Constants.
PB92-232941/REB 92-04 PC **A02**/MF **A01**

Searching for a Water Supply Connection in the Cabool, Missouri Disease Outbreak of 'Escherichia coli' 0157:H7.
PB92-235662/REB 92-04 PC **A03**/MF **A01**

Permit Tracking System (PTS), Version 1.0 (for Microcomputers).
PB92-500347/REB 92-01 CP **D03**

EPA (Environmental Protection Agency) Publications Bibliography, Quarterly Abstract Bulletin.
PB92-904200/REB 92-01 Subscription

Overview of ERNS: Emergency Response Notification System (ERNS) Fact Sheet.
PB92-963412/REB 92-04 PC **A01**/MF **A01**

Oil Notifications: Emergency Response Notification System (ERNS) Fact Sheet.
PB92-963413/REB 92-04 PC **A01**/MF **A01**

Superfund Record of Decision (EPA Region 2): Naval Air Engineering Center, (Operable Unit 4), Lakehurst, NJ. (Third Remedial Action), September 1991.
PB92-963832/REB 92-04 PC **A04**/MF **A01**

WATER POLLUTION ABATEMENT

Developing Sediments Quality Standards: Comprehensive Sediment Management in Puget Sound.
AD-P006 465/9/REB 92-01 PC **A03**/MF **A01**

Guides to Pollution Prevention: The Fiberglass-Reinforced and Composite Plastics Industry.
PB91-227967/REB 92-01 PC **A04**/MF **A01**

Regional Assessment of Aquifer Vulnerability and Sensitivity in the Conterminous United States.
PB92-100148/REB 92-01 PC **A15**/MF **A03**

Toxicity of Chlorine and Ammonia to Aquatic Life: Chemistry, Water Quality Criteria, Recent Research, and Recommended Future Research.
PB92-108091/REB 92-01 PC **A03**/MF **A01**

Quality Assurance Project Plan: Tampa, Florida Wetlands Study.
PB92-122761/REB 92-01 PC **A11**/MF **A03**

Summary of Phase II Regulations: National Primary Drinking Water Regulation for 38 Inorganic and Synthetic Organic Chemicals.
PB92-122969/REB 92-01 PC **A04**/MF **A01**

Construction, Monitoring, and Performance of Two Soil Liners.
PB92-124049/REB 92-01 PC **A07**/MF **A02**

Drinking Water Research Division's Research Activities in Support of EPA's Regulatory Agenda.
PB92-124197/REB 92-01 PC **A03**/MF **A01**

Formation of Disinfection By-Products.
PB92-124221/REB 92-01 PC **A02**/MF **A01**

Modeling Studies for Planning: The Green Bay Project.
PB92-136944/REB 92-01 PC **A02**/MF **A01**

Study of State Operator Certification Programs.
PB92-137199/REB 92-01 PC **A05**/MF **A01**

Protecting Our Drinking Water from Microbes.
PB92-140581/REB 92-01 PC **A03**/MF **A01**

Your Drinking Water: From Source to Tap EPA Regulations and Guidance.
PB92-140599/REB 92-01 PC **A03**/MF **A01**

Safe Drinking Water Act: 1986 Amendments.
PB92-140607/REB 92-01 PC **A02**/MF **A01**

Manual for the Certification of Laboratories Analyzing Drinking Water. Criteria and Procedures Quality Assurance. Third Edition. Change 1.
PB92-150390/REB 92-01 PC **A03**/MF **A01**

Separation of Hazardous Organics by Low Pressure Membranes: Treatment of Soil-Wash Rinse-Water Leachates.
PB92-153436/REB 92-01 PC **A07**/MF **A02**

Development Document for Best Available Technology, Pretreatment Technology, and New Source Performance Technology for the Pesticide Chemical Industry. Proposed. (Pesticide Chemicals Manufacturing Category Effluent Limitations Guidelines, Pretreatment Standards, and New Source Performance Standards).
PB92-173541/REB 92-01 PC **A21**/MF **A04**

Combined Sewer Overflow: Balancing Flow for CSO Abatement.
PB92-179761/REB 92-01 PC **A02**/MF **A01**

Oregon, USA, Ecological Regions and Subregions for Water Quality Management.
PB92-180348/REB 92-01 PC **A03**/MF **A01**

Report to Congress on Ocean Dumping, 1987-1990.
PB92-188663/REB 92-01 PC **A04**/MF **A01**

Characteristics of Successful Riparian Restoration Projects in the Pacific Northwest.
PB92-196039/REB 92-04 PC **A04**/MF **A01**

Office of Wetlands, Oceans and Watersheds Publications.
PB92-224310/REB 92-04 PC **A03**/MF **A01**

Watershed Protection Approach: An Overview.
PB92-224732/REB 92-04 PC **A03**/MF **A01**

Protecting the Nation's Ground Water: EPA's Strategy for the 1990s: The Final Report of the EPA Ground-Water Task Force.
PB92-224765/REB 92-04 PC **A05**/MF **A01**

Development Document for Effluent Limitations Guidelines and Standards and Pretreatment Standards for the Steam Electric: Point Source Category.
PB92-226422/REB 92-04 PC **A99**/MF **A06**

Citizen Monitoring: Recommendations to Public Water System Users.
PB92-227255/REB 92-04 PC **A01**/MF **A01**

Citizen Monitoring: Recommendations to Household Well Users.
PB92-227263/REB 92-04 PC **A01**/MF **A01**

WATER POLLUTION ABATMENT

OPA Q's and A's: Overview of the Oil Pollution Act of 1990.
PB92-963348/REB 92-01 PC **A02**/MF **A01**

WATER POLLUTION CONTROL

Regional Assessment of Aquifer Vulnerability and Sensitivity in the Conterminous United States.
PB92-100148/REB 92-01 PC **A15**/MF **A03**

Waste Minimization Assessment for a Manufacturer of Refurbished Railcar Bearing Assemblies.
PB92-104348/REB 92-01 PC **A01**/MF **A01**

Waste Minimization Assessment for a Manufacturer of Prototype Printed Circuit Boards.
PB92-104355/REB 92-01 PC **A01**/MF **A01**

Waste Minimization Assessment for a Manufacturer of Speed Reduction Equipment.
PB92-104363/REB 92-01 PC **A01**/MF **A01**

Waste Minimization Assessment for a Manufacturer of Printed Labels.
PB92-104371/REB 92-01 PC **A02**/MF **A01**

Uncertainties in Nitrogen Mass Loadings in Coastal Watersheds.
PB92-108075/REB 92-01 PC **A03**/MF **A01**

Watershed Nitrogen Management: Upper Potomac River Basin Case Study.
PB92-108083/REB 92-01 PC **A03**/MF **A01**

Oxidation-Reduction Capacities of Aquifer Solids.
PB92-110410/REB 92-01 PC **A02**/MF **A01**

Effect of Sodium Chloride on Transport of Bacteria in a Saturated Aquifer Material.
PB92-110428/REB 92-01 PC **A02**/MF **A01**

Effect of Nitrate Addition on Biorestoration of Fuel-Contaminated Aquifer: Field Demonstration.
PB92-110444/REB 92-01 PC **A03**/MF **A01**

Biodegradation of Monoaromatic Hydrocarbons by Aquifer Microorganisms Using Oxygen, Nitrate, or Nitrous Oxide as the Terminal Electron Acceptor.
PB92-110543/REB 92-01 PC **A02**/MF **A01**

Reduction of Hexachloroethane and Carbon Tetrachloride at Surfaces of Biotite, Vermiculite, Pyrite, and Marcasite.
PB92-113141/REB 92-01 PC **A03**/MF **A01**

Workshop Proceedings: The Role of Created and Natural Wetlands in Controlling Nonpoint Source Pollution. Held in Arlington, Virginia on June 10-11, 1991.
PB92-113463/REB 92-01 PC **A13**/MF **A03**

Storm and Combined Sewer Pollution Control: A Compilation of Significant References.
PB92-114560/REB 92-01 PC **A03**/MF **A01**

Manual of Small Public Water Supply Systems.
PB92-117936/REB 92-01 PC **A10**/MF **A03**

Manual of Individual and Non-Public Water Supply Systems.
PB92-117944/REB 92-01 PC **A09**/MF **A02**

DuPont/Oberlin Microfiltration Technology. Applications Analysis Report.
PB92-119023/REB 92-01 PC **A04**/MF **A01**

Model of Virus Transport in Unsaturated Soil.
PB92-119957/REB 92-01 PC **A07**/MF **A02**

Dechlorinations of Polychlorinated Biphenyls in *Sediments of New Bedford Harbor.*
PB92-121151/REB 92-01 PC **A03**/MF **A01**

Laboratory and Field Studies on BTEX Biodegradation in a Fuel-Contaminated Aquifer under Denitrifying Conditions.
PB92-121227/REB 92-01 PC **A03**/MF **A01**

Extraction of Mercury from Groundwater Using Immobilized Algae.
PB92-121367/REB 92-01 PC **A02**/MF **A01**

Field Studies for Control of Organics and Disinfection By-Products.
PB92-124205/REB 92-01 PC **A03**/MF **A01**

Optimizing BTEX Biodegradation under Denitrifying Conditions.
PB92-124262/REB 92-01 PC **A03**/MF **A01**

Environmental Factors Correlated to Dichlorophenol Dechlorination in Anoxic Freshwater Sediments.
PB92-124346/REB 92-01 PC **A03**/MF **A01**

U.S. EPA SITE Demonstration of AWD Technologies' AquaDetox/SVE System.
PB92-124387/REB 92-01 PC **A02**/MF **A01**

Applicability of UV/Oxidation Technologies to Treat Contaminated Groundwater.
PB92-126853/REB 92-01 PC **A03**/MF **A01**

Biodegradation of Creosote and Pentachlorophenol in Contaminated Groundwater: Chemical and Biological Assessment.
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Performance Characterization of a Model Bioreactor for the Biodegradation of Trichloroethylene by 'Pseudomonas cepacia' G4.
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Detoxification of Pentachlorophenol and Creosote Contaminated Groundwater by Physical Extraction: Chemical and Biological Assessment.
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Demonstration of Microfiltration Technology.
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Control of Aromatic Waste Air Streams by Soil Bioreactors.
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Reduction of Disinfection By-Product Precursors by Nanofiltration.
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Mineral Weathering Rates in Acid-Sensitive Catchments: Extrapolation of Laboratory Experiments to the Field.
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Technology Evaluation Report: SITE Program Demonstration of the DuPont/Oberlin Microfiltration Technology.
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Storage of Combined Sewage in a Marine Waterbody.
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Non-Stormwater Discharges into Storm Drainage Systems.
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Microbial Degradation of Toluene under Sulfate-Reducing Conditions and the Influence of Iron on the Process.
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Quality Assurance Project Plan for the National Pesticide Survey of Drinking Water Wells: Analytical Method 9 - Nitrate and Nitrite.
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RED Facts: Sodium and Calcium Hypochlorite Salts.
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Innovative Treatment Technologies: Semi-Annual Status Report. (Third Edition).
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Development Document for Best Available Technology, Pretreatment Technology, and New Source Performance Technology for the Pesticide Chemical Industry. Proposed. (Pesticide Chemicals Manufacturing Category Effluent Limitations Guidelines, Pretreatment Standards, and New Source Performance Standards).
PB92-173541/REB 92-01 PC **A21**/MF **A04**

Column Studies on BTEX Biodegradation under Microaerophilic and Denitrifying Conditions.
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Distribution, Speciation, and Transformation of Chromium in Contaminated Soils and Aquifer Sediments.
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Air Stripping of Aqueous Solutions. Engineering Bulletin.
PB92-180033/REB 92-01 PC **A02**/MF **A01**

Granular Activated Carbon Treatment. Engineering Bulletin.
PB92-180058/REB 92-01 PC **A02**/MF **A01**

Chemical Oxidation Treatment. Engineering Bulletin.
PB92-180066/REB 92-01 PC **A02**/MF **A01**

Chemical Enhancements to Pump-and-Treat Remediation. Ground Water Issue.
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Surfactant-Enhanced Solubilization of Tetrachloroethylene and Degradation Products in Pump and Treat Remediation.
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Water Quality Model for a River Receiving Paper Mill Effluents and Conventional Sewage.
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Stimulation of Reductive Dechlorination of Tetrachloroethene in *Anaerobic Aquifer Microcosms by Addition of* Short-Chain Organic Acids or Alcohols.
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AWD Technologies Integrated AquaDetox (Trade Name)/SVE Technology: Applications Analysis Report.
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Chemical Oil Spill Dispersants: Update State-of-the-Art on Mechanisms of Action and Factors Influencing Performance with Emphasis on Laboratory Studies.
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TCE Removal from Contaminated Soil and Ground Water. Ground Water Issue.
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Office of Wetlands, Oceans and Watersheds Publications.
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In-situ Bioremediation of Contaminated Ground Water.
PB92-224336/REB 92-04 PC **A03**/MF **A01**

Technology Demonstration Summary, DuPont/Oberlin Microfiltration System, Palmerton, Pennsylvania. April-May 1992.
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Technical Guidance Manual for Performing Waste Load Allocations. Book 3: Estuaries. Part 1: Estuaries and Waste Load Allocation Models.
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Technical Guidance Manual for Performing Waste Load Allocations. Book 3: Estuaries. Part 2: Application of Estuarine Waste Load Allocation Models.
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Technical Guidance Manual for Performing Waste Load Allocations. Book 3: Estuaries. Part 3: Use of Mixing Zone Models in Estuarine Waste Load Allocations.
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Technical Guidance Manual for Performing Waste Load Allocations. Book 3: Estuaries. Part 4: Critical Review of Estuarine WLA Modeling.
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Technical Guidance Manual for Performing Wasteload Allocation. Book 6. Design Conditions. Chapter 1: Stream Design Flow for Steady-State Modeling.
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Evaluation of Ground-Water Extraction Remedies: Phase 2. Volume 2. Case Studies and Updates.
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Determination and Occurrence of AHH-Active Polychlorinated Biphenyls, 2,3,7,8-Tetrachloro-p-Dioxin and 2,3,7,8-Tetrachlorodibenzofuran in Lake Michigan Sediment and Biota. The Question of Their Relative Toxicological Significance.
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Multispectral Identification of Alkyl and Chloroalkyl Phosphates from an Industrial Effluent.
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Influence of Experimental Conditions on the Liquid Secondary Ion Mass Spectra of Sulfonated Azo Dyes.
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Dioxin and Furan Concentrations in Puget Sound Crabs. Puget Sound Estuary Program.
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Lead in School Drinking Water.
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Quality Assurance Project Plan for the National Pesticide Survey of Drinking Water Wells.
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Quality Assurance Project Plan for the National Pesticide Survey of Drinking Water Wells: Analytical Method 1 - Nitrogen/Phosphorous Pesticides and Analytical Method 3 - Chlorinated Acid Herbicides.
PB92-168517/REB 92-04 PC **A12**/MF **A03**

Quality Assurance Plan for the National Pesticide Survey of Drinking Water Wells: Analytical Method 2 - Chlorinated Pesticides.
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Quality Assurance Project Plan for the National Pesticide Survey of Drinking Water Wells: Analytical Method 5 - Methyl Carbamates.
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Quality Assurance Project Plan for the National Pesticide Survey of Drinking Water Wells: Analytical Method 6.
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Quality Assurance Project Plan for the National Pesticide Survey of Drinking Water Wells: Analytical Method 7 - Fumigants.
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Quality Assurance Project Plan for the National Pesticide Survey of Drinking Water Wells Referee Analyses for Analytical Method 2 - Organochlorine Pesticides, Analytical Method 4 - Carbamates, Method 5 - Methylcarbamates, Method 7 - Fumigants, and Method 9 - Nitrate/Nitrite.
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Quality Assurance Project Plan for the National Pesticide Survey of Drinking Water Wells: Analytical Method 1.
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Quality Assurance Project Plan for the National Pesticide Survey of Drinking Water Wells: Analytical Method 3.
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Quality Assurance Project Plan for the National Pesticide Survey of Drinking Water Wells: Survey Statistics, Data Collection and Processing.
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Health Effects of Arsenic in Drinking Water.
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PIRLA DBMS Quick Reference Guide.
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Field-Testing Distribution Water Quality Models.
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Technical Basis for Establishing Sediment Quality Criteria for Nonionic Organic Chemicals Using Equilibrium Partitioning. Annual Review.
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Acclimation of Aquatic Microbial Communities to Hg(II) and CH3Hg(+) in Polluted Freshwater Ponds.
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Analysis and Interpretation of Zooplankton Samples Collected during Phase 2 of the Eastern Lake Survey.
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Adsorption of Surfactants (Chapter 7).
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Statistical Approach to Predicting Chronic Toxicity of Chemicals to Fishes from Acute Toxicity Test Data. Data Tape Documentation.
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Drinking Water Criteria Document for Antimony.
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Drinking Water Criteria Document for Beryllium.
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Drinking Water Criteria Document for Cyanide.
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Drinking Water Criteria Document for Dalapon.
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Quantification of Toxicological Effects for Dichloromethane.
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Drinking Water Criteria Document for Di(2-Ethylhexyl) Adipate.
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Drinking Water Criteria Document for Dinoseb.
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Drinking Water Criteria Document for Diquat.
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Drinking Water Criteria Document for Endothall.
PB92-173376/REB 92-01 PC **A05**/MF **A01**

Drinking Water Criteria Document for Endrin.
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Drinking Water Criteria Document for Glyphosate.
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Drinking Water Criteria Document for Hexachlorobenzene.
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Drinking Water Criteria Document for Hexachlorocyclopentadiene.
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Drinking Water Quantification of Toxicologic Effects for Nickel.
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Drinking Water Criteria Document for Oxamyl (VYDATE).
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Drinking Water Criteria Document for Phthalic Acid Esters (PAES).
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Drinking Water Criteria Document for Polycyclic Aromatic Hydrocarbons (PAHs).
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Drinking Water Criteria Document for Picloram.
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Drinking Water Criteria Document for Simazine.
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Drinking Water Criteria Document for Thallium.
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Drinking Water Criteria Document for Trichlorobenzenes.
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Drinking Water Criteria Document for 1,1,2-Trichloroethane.
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Reductive Dechlorination of Trichloroethylene in Anoxic Aquifer Material from Picatinny Arsenal, New Jersey.
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Biological Criteria: National Program Guidance for Surface Waters.
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Proceedings of a Symposium: Biological Criteria Research and Regulation. Held in Arlington, Virginia on December 12-13, 1990.
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Biological Criteria: State Development and Implementation Efforts.
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Aquatic Toxicity Information Retrieval Data Base (ACQUIRE).
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Aquqtic Toxicity Information on VAX VMS Backup (ACQUIRE for VMS).
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Fish and Chemistry Data for the Upper Peninsula of Michigan Report (for Microcomputers).
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Effects of a Contaminated Sediment on Life History Traits and Population Growth Rate of 'Neanthes Arenaceodentata' (Polychaeta: Nereidae) in the Laboratory.
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Model of Additive Effects of Mixtures of Narcotic Chemicals.
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Physiologically Based Toxicokinetic Model for the Uptake and Disposition of Waterborne Organic Chemicals in Fish.
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Guidelines for Conducting Early Life Stage Toxicity Tests with Japanese Medaka 'Oryzias latipes'.
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Contribution of Ammonia, Metals and Nonpolar Organic Compounds to the Toxicity of Sediment Interstitial Water from an Illinois River Tributary.
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90-Day Toxicity Study of Dichloroacetate in Dogs.
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Zooplankton Population Dynamics in Experimentally Toxified Pond Ecosystems.
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Toxicity of Ammonia, Nitrite, and Nitrate to Fishes.
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Comparative Acute Sensitivity of Larval Topsmelt, 'Atherinops affinis', and Inland Silverside, 'Menidia beryllina', to 11 Chemicals.
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Effects of Fenvalerate on the Early Life Stages of Topsmelt ('Atherinops affinis').
PB92-195684/REB 92-04 PC **A02**/MF **A01**

Mosquito Control Pesticides: Adverse Impacts to Freshwater Aquatic and Marine Organisms.
PB92-195890/REB 92-01 PC **A02**/MF **A01**

WATER POLLUTION EFFECTS (HUMANS)

Drinking Water Health Advisory for Aldrin.
PB92-135417/REB 92-01 PC **A03**/MF **A01**

Drinking Water Health Advisory for Ammonia.
PB92-135425/REB 92-01 PC **A03**/MF **A01**

Drinking Water Health Advisory Antimony.
PB92-135433/REB 92-01 PC **A03**/MF **A01**

Drinking Water Health Advisory for Beryllium.
PB92-135441/REB 92-01 PC **A03**/MF **A01**

Drinking Water Health Advisory for Boron.
PB92-135458/REB 92-01 PC **A03**/MF **A01**

Drinking Water Health Advisory for Chlorpyrifos.
PB92-135466/REB 92-01 PC **A03**/MF **A01**

Drinking Water Health Advisory for Isophorone.
PB92-135474/REB 92-01 PC **A03**/MF **A01**

Drinking Water Health Advisory for Malathion.
PB92-135482/REB 92-01 PC **A03**/MF **A01**

Drinking Water Health Advisory for p-Nitrophenol.
PB92-135490/REB 92-01 PC **A03**/MF **A01**

Drinking Water Health Advisory for Phenol.
PB92-135508/REB 92-01 PC **A03**/MF **A01**

Drinking Water Health Advisory for Silver.
PB92-135516/REB 92-01 PC **A03**/MF **A01**

Drinking Water Health Advisory for Thallium.
PB92-135524/REB 92-01 PC **A03**/MF **A01**

Health Advisory for 2,4- and 2,6-Dinitrotoluene (DNT).
PB92-189315/REB 92-01 PC **A10**/MF **A03**

Drinking Water and Health. Volume 5.
PB92-223122/REB 92-04 PC **A08**/MF **A02**

Drinking Water and Health. Volume 6.
PB92-223130/REB 92-04 PC **A21**/MF **A04**

Health Advisory for Isopropyl Methylphosphonic Acid (IMPA).
PB92-232149/REB 92-04 PC **A03**/MF **A01**

WATER POLLUTION EFFECTS (PLANTS)

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PB92-121326/REB 92-01 PC **A03**/MF **A01**

Responses of Wetland Plants to Effluents in Water and Sediment.
PB92-129758/REB 92-01 PC **A02**/MF **A01**

Use of Marsh Plants for Toxicity Testing of Water and Sediment.
PB92-195882/REB 92-01 PC **A03**/MF **A01**

WATER POLLUTION MONITORING

Another Look: National Survey of Pesticides in Drinking Water Wells. Phase 2 Report.
PB92-120831/REB 92-01 PC **E05**/MF **A03**

WATER POLLUTION SAMPLING

Fate of Commercial Disperse Dyes in Sediments.
PB92-101401/REB 92-01 PC **A03**/MF **A01**

Reductive Dechlorination of Dichlorophenols in Anaerobic Pond Sediments (Chapter 13).
PB92-101708/REB 92-01 PC **A03**/MF **A01**

Lead and Copper Rule Guidance Manual. Volume 1. Monitoring.
PB92-112101/REB 92-01 PC **A10**/MF **A03**

Facilitated Transport of Inorganic Contaminants in Ground Water: Part 2. Colloidal Transport.
PB92-114503/REB 92-01 PC **A03**/MF **A01**

Land Manager's Guide to Water Quality Monitoring.
PB92-132802/REB 92-01 PC **A02**/MF **A01**

Environmental Monitoring and Assessment Program: Surface Waters Implementation Plan - Northeast Pilot Lake Survey, Summer 1991.
PB92-139948/REB 92-01 PC **A05**/MF **A01**

Concentration and Transport of Polychlorinated Biphenyls in the Housatonic River between Great Barrington, Massachusetts, and Kent, Connecticut, 1984-88.
PB92-147719/REB 92-01 PC **A03**/MF **A01**

Trends in Catskill Stream Water Quality: Evidence from Historical Data.
PB92-153832/REB 92-01 PC **A03**/MF **A01**

Sampling and Analysis Design for Development of Everett Harbor Action Program.
PB92-166875/REB 92-01 PC **A04**/MF **A01**

Handbook of Suggested Practices for the Design and Installation of Ground-Water Monitoring Wells (Revised).
PB92-216886/REB 92-04 PC **A11**/MF **A03**

Microbiological Changes in Source Water Treatment: Reflections in Distribution Water Quality.
PB92-217363/REB 92-04 PC **A03**/MF **A01**

Volunteer Lake Monitoring Program, 1991. Volume 1: Statewide Summary Report.
PB92-222512/REB 92-04 PC **A06**/MF **A02**

Volunteer Lake Monitoring Program, 1991. Volume 6. Southwestern Illinois Region.
PB92-222876/REB 92-04 PC **A04**/MF **A01**

Probability of Plume Interception Using Conditional Simulation of Hydraulic Head and Inverse Modeling.
PB92-227404/REB 92-04 PC **A03**/MF **A01**

Volunteer Lake Monitoring Program, 1991. Volume 7. Southern Region.
PB92-231125/REB 92-04 PC **A05**/MF **A01**

Guidance for State Water Monitoring and Wasteload Allocation Programs.
PB92-231612/REB 92-04 PC **A04**/MF **A01**

Analysis of Long-Term and Seasonal River Water Quality Changes in Latvia.
PB92-232933/REB 92-04 PC **A03**/MF **A01**

Volunteer Lake Monitoring Program, 1991. Volume 4: *West-Central Illinois Region.*
PB92-239482/REB 92-04 PC **A04**/MF **A01**

WATER POLLUTION SOURCES

Humic Substances and Contaminant Transport: A Review.
PB92-179753/REB 92-01 PC **A02**/MF **A01**

WATER POLLUTION STANDARDS

Radionuclide Removal.
PB92-121284/REB 92-01 PC **A03**/MF **A01**

Summary of Phase II Regulations: National Primary Drinking Water Regulation for 38 Inorganic and Synthetic Organic Chemicals.
PB92-122969/REB 92-01 PC **A04**/MF **A01**

Drinking Water Systems: Three Approaches to Improve Mobile Home Park Compliance.
PB92-164714/REB 92-01 PC **A05**/MF **A02**

Cost-Effectiveness Analysis of Proposed Effluent Limitations Guidelines and Standards for the Pesticide Manufacturing Industry.
PB92-173525/REB 92-01 PC **A03**/MF **A01**

Economic Impact Analysis of Proposed Effluent Limitations Guidelines and Standards for the Pesticide Manufacturing Industry.
PB92-173533/REB 92-01 PC **A15**/MF **A03**

Characteristics of Successful Riparian Restoration Projects in the Pacific Northwest.
PB92-196039/REB 92-04 PC **A04**/MF **A01**

Development Document for Interim Final and Proposed Effluent Limitations Guidelines and Proposed New Source Performance Standards for the Bleached Kraft, Groundwood, Sulfite, Soda, Deink, and Non-integrated Paper Mills. Point Source Category. Volume 2. Sections 8 - 15.
PB92-231562/REB 92-04 PC **A13**/MF **A03**

Dynamic Toxics Wasteload Allocation Model (DINTOX). User's Manual.
PB92-231570/REB 92-04 PC **A05**

Guidance for State Implementation of Water Quality Standards for CWA Section 303(C)(2)(B).
PB92-231604/REB 92-04 PC **A03**/MF **A01**

Guidance for State Water Monitoring and Wasteload Allocation Programs.
PB92-231612/REB 92-04 PC **A04**/MF **A01**

Guidance for Water Quality-Based Decisions: The TMDL Process.
PB92-231620/REB 92-04 PC **A04**/MF **A01**

Guidance Manual for Pulp, Paper, and Paperboard and Builders' Paper and Board Mills Pretreatment Standards.
PB92-231638/REB 92-04 PC **A04**/MF **A01**

Introduction to Water Quality Standards.
PB92-231646/REB 92-04 PC **A03**/MF **A01**

Reference Guide to Water Quality Standards for Indian Tribes.
PB92-231661/REB 92-04 PC **A03**/MF **A01**

Status Report: State Compliance with CWA Section 303(c)(2)(B) as of February 4, 1990.
PB92-231695/REB 92-04 PC **A05**/MF **A01**

Technical Guidance Manual for Performing Waste Load Allocations: Simplified Analytical Method for Determining NPDES Effluent Limitations for POTWs Discharging into Low-Flow Streams.
PB92-231786/REB 92-04 PC **A04**/MF **A01**

Technical Support Manual: Waterbody Surveys and Assessments for Conducting Use Attainability Analyses.
PB92-231794/REB 92-04 PC **A10**/MF **A03**

Technical Support Manual: Waterbody Surveys and Assessments for Conducting Use Attainability Analyses. Volume 3: Lake Systems.
PB92-231802/REB 92-04 PC **A10**/MF **A03**

Proceedings of a National Conference: Water Quality Standards for the 21st Century. Held in Dallas, Texas on March 1-3, 1989.
PB92-231810/REB 92-04 PC **A11**/MF **A03**

Proceedings of a Conference: Water Quality Standards for the 21st Century. Held in Arlington, Virginia, on December 10-12, 1990.
PB92-231828/REB 92-04 PC **A12**/MF **A03**

Compilation of Water Quality Standards for Marine Waters.
PB92-231836/REB 92-04 PC **A99**

Technical Guidance on Supplementary Stream Design *Conditions for Steady State Modeling.*
PB92-231844/REB 92-04 PC **A05**/MF **A01**

Water Quality Standards Handbook.
PB92-231851/REB 92-04 PC **A12**/MF **A03**

Development Document for Interim Final and Proposed Effluent Limitations Guidelines and Proposed New Source Performance Standards for the Bleached Kraft, Groundwood, Sulfite, Soda, Deink and Non-Integrated *Paper Mills. Volume 1. Segment of the Pulp, Paper, and* Paperboard. Point Source Category. Group 1. Phase 2.
PB92-231869/REB 92-04 PC **A20**/MF **A04**

Technical Support Manual: Waterbody Surveys and Assessments for Conducting Use Attainability Analyses. Volume 2: Estuarine Systems.
PB92-231877/REB 92-04 PC **A09**/MF **A02**

Cost-Effectiveness Analysis of Effluent Standards and *Limitations for Battery Manufacturing.*
PB92-231893/REB 92-04 PC **A03**/MF **A01**

Economic Impact Analysis of Effluent Limitations and Standards for the Battery Manufacturing Industry.
PB92-231901/REB 92-04 PC **A08**/MF **A02**

Development Document for Interim Final Effluent Limitations Guidelines and Proposed New Source Performance Standards for the Calcium Carbide Segment of the Ferroally Manufacturing. Point Source Category. Group 1, Phase 2.
PB92-231919/REB 92-04 PC **A05**/MF **A01**

Guidance Document for Effluent Discharges from the Auto and Other Laundries. Point Source Category.
PB92-231927/REB 92-04 PC **A09**/MF **A03**

Guidance Development Document for Effluent Limitations Guidelines and New Source Performance Standards for the Concrete Products. Point Source Category.
PB92-231943/REB 92-04 PC **A08**/MF **A02**

Development Document for Interim Final Effluent Limitations Guidelines and Proposed New Source Performance Standards for the Explosives Manufacturing. Point Source Category. Group 2.
PB92-231950/REB 92-04 PC **A11**/MF **A03**

Development Document for Interim Final Effluent Limitations Guidelines and Proposed New Source Performance Standards for the Raw Cane Sugar Processing. Segment of the Sugar Processing. Point Source Category. Group 1, Phase 2.
PB92-231968/REB 92-04 PC **A14**/MF **A03**

Development Document for Proposed Effluent Limitations Guidelines and Standards for Control of Polychlorinated Biphenyls in the Deink Subcategory of the Pulp, Paper and Paperboard. Point Source Category.
PB92-231984/REB 92-04 PC **A05**/MF **A01**

Developmental Document for Effluent Limitations Guidelines and New Source Performance Standards for the Other Non-Fertilizer Phosphate Chemicals Segment of the Phosphate Manufacturing. Point Source Category. Group 1, Phase 2.
PB92-231992/REB 92-04 PC **A06**/MF **A02**

Development Document for Effluent Limitations. Guidelines for the Electrical and Electronic Components. Point Source Category. Phase 2.
PB92-232016/REB 92-04 PC **A09**/MF **A02**

Development Document for Proposed Effluent Limitations Guidelines and Standards for the Shipbuilding and Repair. Point Source Category.
PB92-232032/REB 92-04 PC **A07**/MF **A02**

Development Document for Effluent Limitations Guidelines and Standards for the Gum and Wood Chemicals Manufacturing. Point Source Category.
PB92-232040/REB 92-04 PC **A12**/MF **A03**

Guide for the Application of Effluent Limitations Guidelines for the Petroleum Refining Industry.
PB92-232057/REB 92-04 PC **A11**/MF **A03**

Development Document for Interim Final and Proposed Effluent Limitations Guidelines and New Source Performance Standards for the Fruits, Vegetables and Specialties. Segment of the Canned and Preserved Fruits and Vegetables. Point Source Category.
PB92-232065/REB 92-04 PC **A23**/MF **A04**

Preliminary Data Summary for the Wood Preserving Segment of the Timber Products Processing Point Source Category.
PB92-232156/REB 92-04 PC **A07**/MF **A02**

Presentations EPA-State Soil Standards Conference. Held in Crystal City, Virginia on January 29, 1991.
PB92-963350/REB 92-01 PC **A08**/MF **A02**

WATER QUALITY

Regional Efforts Through the LJC to Address Contaminated Bottom Sediment Problems in the Great Lakes.
AD-P006 832/0/REB 92-04 PC **A02**/MF **A01**

Modeling of Nonpoint Source Water Quality in Urban and Non-urban Areas.
PB92-109115/REB 92-01 PC **A05**/MF **A01**

Field-Testing Distribution Water Quality Models.
PB92-113182/REB 92-01 PC **A03**/MF **A01**

Manual of Small Public Water Supply Systems.
PB92-117936/REB 92-01 PC **A10**/MF **A03**

Manual of Individual and Non-Public Water Supply Systems.
PB92-117944/REB 92-01 PC **A09**/MF **A02**

Drinking Water Health Advisory for Aldrin.
PB92-135417/REB 92-01 PC **A03**/MF **A01**

Drinking Water Health Advisory for Ammonia.
PB92-135425/REB 92-01 PC **A03**/MF **A01**

Drinking Water Health Advisory Antimony.
PB92-135433/REB 92-01 PC **A03**/MF **A01**

Drinking Water Health Advisory for Beryllium.
PB92-135441/REB 92-01 PC **A03**/MF **A01**

Drinking Water Health Advisory for Boron.
PB92-135458/REB 92-01 PC **A03**/MF **A01**

Drinking Water Health Advisory for Chlorpyrifos.
PB92-135466/REB 92-01 PC **A03**/MF **A01**

Drinking Water Health Advisory for Isophorone.
PB92-135474/REB 92-01 PC **A03**/MF **A01**

Drinking Water Health Advisory for Malathion.
PB92-135482/REB 92-01 PC **A03**/MF **A01**

Drinking Water Health Advisory for p-Nitrophenol.
PB92-135490/REB 92-01 PC **A03**/MF **A01**

Drinking Water Health Advisory for Phenol.
PB92-135508/REB 92-01 PC **A03**/MF **A01**

Drinking Water Health Advisory for Silver.
PB92-135516/REB 92-01 PC **A03**/MF **A01**

Drinking Water Health Advisory for Thallium.
PB92-135524/REB 92-01 PC **A03**/MF **A01**

Drinking Water from Household Wells.
PB92-140573/REB 92-01 PC **A03**/MF **A01**

Application of a Water Quality Assessment Modeling System at a Superfund Site.
PB92-164490/REB 92-01 PC **A05**/MF **A01**

Fish Communities in Lakes in Subregion 2B (Upper Peninsula of Michigan) in Relation to Lake Acidity. Volume 1 and Volume 2: Appendices. Data Tape Documentation.
PB92-169630/REB 92-04 PC **A11**/MF **A03**

Drinking Water Criteria Document for Antimony.
PB92-173293/REB 92-01 PC **A05**/MF **A01**

Drinking Water Criteria Document for Beryllium.
PB92-173301/REB 92-01 PC **A08**/MF **A02**

Drinking Water Criteria Document for Cyanide.
PB92-173319/REB 92-01 PC **A08**/MF **A02**

Drinking Water Criteria Document for Dalapon.
PB92-173327/REB 92-01 PC **A04**/MF **A01**

Quantification of Toxicological Effects for Dichloromethane.
PB92-173335/REB 92-01 PC **A03**/MF **A01**

Drinking Water Criteria Document for Di(2-Ethylhexyl) Adipate.
PB92-173343/REB 92-01 PC **A05**/MF **A01**

Drinking Water Criteria Document for Dinoseb.
PB92-173350/REB 92-01 PC **A05**/MF **A01**

Drinking Water Criteria Document for Diquat.
PB92-173368/REB 92-01 PC **A05**/MF **A01**

Drinking Water Criteria Document for Endothall.
PB92-173376/REB 92-01 PC **A05**/MF **A01**

Drinking Water Criteria Document for Endrin.
PB92-173384/REB 92-01 PC **A10**/MF **A03**

Drinking Water Criteria Document for Glyphosate.
PB92-173392/REB 92-01 PC **A03**/MF **A01**

Drinking Water Criteria Document for Hexachlorobenzene.
PB92-173400/REB 92-01 PC **A10**/MF **A03**

Drinking Water Criteria Document for Hexachlorocyclopentadiene.
PB92-173418/REB 92-01 PC **A06**/MF **A02**

Drinking Water Quantification of Toxicologic Effects for Nickel.
PB92-173426/REB 92-01 PC **A05**/MF **A01**

Drinking Water Criteria Document for Oxamyl (VYDATE).
PB92-173434/REB 92-01 PC **A05**/MF **A01**

Drinking Water Criteria Document for Phthalic Acid Esters (PAES).
PB92-173442/REB 92-01 PC **A14**/MF **A03**

Drinking Water Criteria Document for Polycyclic Aromatic Hydrocarbons (PAHs).
PB92-173459/REB 92-01 PC **A20**/MF **A04**

Drinking Water Criteria Document for Picloram.
PB92-173467/REB 92-01 PC **A04**/MF **A01**

Drinking Water Criteria Document for Simazine.
PB92-173475/REB 92-01 PC **A05**/MF **A02**

Drinking Water Criteria Document for Thallium.
PB92-173483/REB 92-01 PC **A06**/MF **A02**

Drinking Water Criteria Document for Trichlorobenzenes.
PB92-173491/REB 92-01 PC **A05**/MF **A01**

Drinking Water Criteria Document for 1,1,2-Trichloroethane.
PB92-173509/REB 92-01 PC **A05**/MF **A01**

Combined Sewer Overflow: Balancing Flow for CSO Abatement.
PB92-179761/REB 92-01 PC **A02**/MF **A01**

Structural Characterization of Sulfonated Azo Dyes Using Liquid Secondary Ion Mass Spectrometry/Tandem Mass Spectrometry.
PB92-188861/REB 92-01 PC **A03**/MF **A01**

Health Advisory for 2,4- and 2,6-Dinitrotoluene (DNT).
PB92-189315/REB 92-01 PC **A10**/MF **A03**

Microbiological Changes in Source Water Treatment: Reflections in Distribution Water Quality.
PB92-217363/REB 92-04 PC **A03**/MF **A01**

Volunteer Lake Monitoring: A Methods Manual.
PB92-218411/REB 92-04 PC **A07**/MF **A02**

Toxicity Reduction Evaluation: Case Histories at High Point and Fayetteville, North Carolina.
PB92-222231/REB 92-04 PC **A08**/MF **A02**

Volunteer Lake Monitoring Program, 1991. Volume 1: Statewide Summary Report.
PB92-222512/REB 92-04 PC **A06**/MF **A02**

Volunteer Lake Monitoring Program, 1991. Volume 6. Southwestern Illinois Region.
PB92-222876/REB 92-04 PC **A04**/MF **A01**

National Water Quality Inventory: 1990 Report to Congress.
PB92-227800/REB 92-04 PC **A11**/MF **A03**

Biological Criteria: Guide to Technical Literature.
PB92-231489/REB 92-04 PC **A07**/MF **A02**

Biological Criteria: National Program Guidance for Surface Waters.
PB92-231497/REB 92-04 PC **A04**/MF **A01**

Proceedings of a Symposium: Biological Criteria Research and Regulation. Held in Arlington, Virginia on December 12-13, 1990.
PB92-231505/REB 92-04 PC **A09**/MF **A02**

Biological Criteria: State Development and Implementation Efforts.
PB92-231513/REB 92-04 PC **A03**/MF **A01**

Dynamic Toxics Wasteload Allocation Model (DINTOX). User's Manual.
PB92-231570/REB 92-04 PC **A05**

Guidance for State Water Monitoring and Wasteload Allocation Programs.
PB92-231612/REB 92-04 PC **A04**/MF **A01**

Technical Guidance Manual for Performing Waste Load Allocations. Book 4. Lakes, Reservoirs and Impoundments. Chapter 3: Toxic Substances Impact.
PB92-231760/REB 92-04 PC **A14**/MF **A03**

Technical Guidance Manual for Performing Waste Load Allocations: Simplified Analytical Method for Determining NPDES Effluent Limitations for POTWs Discharging into Low-Flow Streams.
PB92-231786/REB 92-04 PC **A04**/MF **A01**

Health Advisory for Isopropyl Methylphosphonic Acid (IMPA).
PB92-232149/REB 92-04 PC **A03**/MF **A01**

Analysis of Long-Term and Seasonal River Water Quality Changes in Latvia.
PB92-232933/REB 92-04 PC **A03**/MF **A01**

Approach to Calculating Wind-Driven Currents and Transport of Substances in Unstratified Water Bodies Using Curvilinear Coordinates.
PB92-232966/REB 92-04 PC **A02**/MF **A01**

Fish and Chemistry Data for the Upper Peninsula of Michigan Report (for Microcomputers).
PB92-503085/REB 92-04 CP **D02**

WATER QUALITY DATA

Concentration and Transport of Polychlorinated Biphenyls in the Housatonic River between Great Barrington, Massachusetts, and Kent, Connecticut, 1984-88.
PB92-147719/REB 92-01 PC **A03**/MF **A01**

Trends in Catskill Stream Water Quality: Evidence from Historical Data.
PB92-153832/REB 92-01 PC **A03**/MF **A01**

WATER QUALITY MANAGEMENT

Watershed Characterization Using Landsat Thematic Mapper Imagery: Blackfoot River, Montana.
PB92-115237/REB 92-01 PC **A03**/MF **A01**

Land Manager's Guide to Water Quality Monitoring.
PB92-132802/REB 92-01 PC **A02**/MF **A01**

Seminar Publication: Nonpoint Source Watershed Workshop. Held in New Orleans, Louisiana, January 29-31, 1991.
PB92-137504/REB 92-01 PC **A10**/MF **A03**

Ecological Regions versus Hydrologic Units: Frameworks for Managing Water Quality.
PB92-153873/REB 92-01 PC **A02**/MF **A01**

Oregon, USA, Ecological Regions and Subregions for Water Quality Management.
PB92-180348/REB 92-01 PC **A03**/MF **A01**

Water Quality Model for a River Receiving Paper Mill Effluents and Conventional Sewage.
PB92-195643/REB 92-01 PC **A03**/MF **A01**

System for Control of River Water Quality for the Community of Madrid Using QUAL2E.
PB92-206218/REB 92-04 PC **A02**/MF **A01**

Illinois Water Quality Report, 1990-1991.
PB92-223023/REB 92-04 PC **A19**/MF **A04**

Office of Wetlands, Oceans and Watersheds Publications.
PB92-224310/REB 92-04 PC **A03**/MF **A01**

Watershed Protection Approach: An Overview.
PB92-224732/REB 92-04 PC **A03**/MF **A01**

Protecting the Nation's Ground Water: EPA's Strategy for the 1990s: The Final Report of the EPA Ground-Water Task Force.
PB92-224765/REB 92-04 PC **A05**/MF **A01**

Briefing Report to the EPA Science Advisory Board on the Equilibrium Partitioning Approach to Generating Sediment Quality Criteria.
PB92-231521/REB 92-04 PC **A08**/MF **A02**

Guidance for Water Quality-Based Decisions: The TMDL Process.
PB92-231620/REB 92-04 PC **A04**/MF **A01**

Sediment Classification Methods Compendium.
PB92-231679/REB 92-04 PC **A13**/MF **A03**

National Estuary Program After Four Years: A Report to Congress.
PB92-233154/REB 92-04 PC **A06**/MF **A02**

WATER QUALITY STANDARDS

Toxicity of Chlorine and Ammonia to Aquatic Life: Chemistry, Water Quality Criteria, Recent Research, and Recommended Future Research.
PB92-108091/REB 92-01 PC **A03**/MF **A01**

Guidance for State Implementation of Water Quality Standards for CWA Section 303(C)(2)(B).
PB92-231604/REB 92-04 PC **A03**/MF **A01**

Introduction to Water Quality Standards.
PB92-231646/REB 92-04 PC **A03**/MF **A01**

Status Report: State Compliance with CWA Section 303(c)(2)(B) as of February 4, 1990.
PB92-231695/REB 92-04 PC **A05**/MF **A01**

Technical Guidance Manual for Performing Waste Load Allocations. Book 3: Estuaries. Part 1: Estuaries and Waste Load Allocation Models.
PB92-231729/REB 92-04 PC **A05**/MF **A01**

Technical Guidance Manual for Performing Waste Load Allocations. Book 3: Estuaries. Part 2: Application of Estuarine Waste Load Allocation Models.
PB92-231737/REB 92-04 PC **A06**/MF **A02**

Technical Guidance Manual for Performing Waste Load Allocations. Book 3: Estuaries. Part 3: Use of Mixing Zone Models in Estuarine Waste Load Allocations.
PB92-231745/REB 92-04 PC **A03**/MF **A01**

Technical Guidance Manual for Performing Waste Load Allocations. Book 3: Estuaries. Part 4: Critical Review of Estuarine WLA Modeling.
PB92-231752/REB 92-04 PC **A04**/MF **A01**

Technical Guidance Manual for Performing Wasteload Allocation. Book 6. Design Conditions. Chapter 1: Stream Design Flow for Steady-State Modeling.
PB92-231778/REB 92-04 PC **A04**/MF **A01**

Technical Support Manual: Waterbody Surveys and Assessments for Conducting Use Attainability Analyses.
PB92-231794/REB 92-04 PC **A10**/MF **A03**

Technical Support Manual: Waterbody Surveys and Assessments for Conducting Use Attainability Analyses. Volume 3: Lake Systems.
PB92-231802/REB 92-04 PC **A10**/MF **A03**

Proceedings of a National Conference: Water Quality Standards for the 21st Century. Held in Dallas, Texas on March 1-3, 1989.
PB92-231810/REB 92-04 PC **A11**/MF **A03**

Proceedings of a Conference: Water Quality Standards for the 21st Century. Held in Arlington, Virginia, on December 10-12, 1990.
PB92-231828/REB 92-04 PC **A12**/MF **A03**

Technical Guidance on Supplementary Stream Design Conditions for Steady State Modeling.
PB92-231844/REB 92-04 PC **A05**/MF **A01**

Water Quality Standards Handbook.
PB92-231851/REB 92-04 PC **A12**/MF **A03**

Technical Support Manual: Waterbody Surveys and Assessments for Conducting Use Attainability Analyses. Volume 2: Estuarine Systems.
PB92-231877/REB 92-04 PC **A09**/MF **A02**

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EPA Publications Bibliography 1984-1990. Part 1. Report Summaries. Part 2. Indexes.
PB91-205500/REB 92-01 PC**$200.00**

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EPCRA Section 313 Roadmaps Database. User's Manual. (Version 2.2) (for Microcomputers).
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Fish and Chemistry Data for the Upper Peninsula of Michigan Report (for Microcomputers).
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Fish Communities in Lakes in Subregion 2B (Upper Peninsula of Michigan) in Relation to Lake Acidity. Volume 1 and Volume 2: Appendices. Data Tape Documentation.
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Ground Water and Soil Contamination Remediation: Toward Compatible Science, Policy, and Public Perception. Report on a Colloquium Sponsored by the Water Science and Technology Board, Colloquium 5 of a Series.
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Toxic Substances Control Act (TSCA) Chemical Substances Inventory: Revised Inventory Synonym and Preferred Name File. January 1992 Magnetic Tape Documentation.
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Tracking Toxic Substances at Industrial Facilities: Engineering Mass Balance versus Materials Accounting.
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Action Leakage Rates for Leak Detection Systems. (Supplemental Background Document for the Final Double Liners and Leak Detection Systems Rule for Hazardous Waste Landfills, Waste Piles, and Surface Impoundments).
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EPA/540/2-91/018
Bioremediation in the Field. An Information Update on Applying Bioremediation to Site Clean-Up. Number 3.
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Characterization of Municipal Solid Waste in the United States: 1992 Update.
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Characterization of Products Containing Mercury in Municipal Solid Waste in the United States, 1970 to 2000.
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Citizen's Guide to How Innovative Treatment Technologies Are Being Successfully Applied at Superfund Sites.
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Consolidated List of Chemicals Subject to Reporting under the Emergency Planning and Community Right-to-Know Act. (Title III of the Superfund Amendments and Reauthorization Act of 1986).
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Development of a Solid Sample Analytical Procedure for Cyanide in Spent Ore. Final Technical Report.
PB92-203496/REB 92-04 PC **A11**/MF **A03**

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Directory of Mine Waste Characterization and Drainage Quality Contacts in Western Governors' Association Member States.
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EPA/540/S-92/004
Evaluation of Soil Venting Application. Ground Water Issue.
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EPA/540/2-91/015
Forum on Innovative Hazardous Waste Treatment Technologies (3rd): Domestic and International. Held in Dallas, Texas on June 11-13, 1991. Technical Papers.
PB92-219732/REB 92-04 PC **A22**/MF **A04**

EPA/540/4-91/005
Ground-Water Issue: The Effects of Well Casing Material on Ground Water-Quality.
PB92-224724/REB 92-04 PC **A03**/MF **A01**

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Guidance on Site Assessment Cooperative Agreements.
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Guide for Conducting Treatability Studies under CERCLA: Aerobic Biodegradation Remedy Screening. Quick Reference Fact Sheet.
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Guide for Conducting Treatability Studies under CERCLA: Soil Vapor Extraction. Quick Reference Fact Sheet.
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EPA/540/2-91/019B
Guide for Conducting Treatability Studies under CERCLA: Soil Vapor Extraction. Quick Reference Fact Sheet.
PB92-231281/REB 92-04 PC **A02**/MF **A01**

EPA/530/R-92/022
Handbook of RCRA Ground-Water Monitoring Constituents: Chemical and Physical Properties (40 CFR Part 264, Appendix 9).
PB92-233287/REB 92-04 PC **A13**/MF **A03**

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In-situ Bioremediation of Contaminated Ground Water.
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Inactive and Abandoned Noncoal Mines. Volume 1. A Scoping Study.
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Inactive and Abandoned Noncoal Mines. Volume 3. Appendix: State Reports.
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Innovative Treatment Technologies: Overview and Guide to Information Sources.
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EPA/540/2-91/001
Innovative Treatment Technologies: Semi-Annual Status Report. (Third Edition).
PB92-173210/REB 92-01 PC **A05**/MF **A01**

EPA/SW/DK-92/033
Inorganic Contract Compliance Screening System (ICCSS) Software (SOW March 1990) (Version 1) (for Microcomputers).
PB92-501519/REB 92-01 CP **D02**

EPA/SW/DK-92/033A
Inorganic Contract Compliance Screening System Software for the PC (SOW March 1990 Version 1). User Manual.
PB92-145598/REB 92-01 PC **A07**/MF **A02**

EPA/530/SW-91/093N
Inside the Hotline: A Compilation of 1991 Monthly Hotline Reports.
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Making It Work: Title 3 Compliance. The Public's Right-to-Know.
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EPA/530/SW-91/065A
Mining Sites on the National Priorities List: NPL Site Summary Reports. Volume 1 (Aluminum Company of America (Vancouver Smelter) to Cleveland Mill).
PB92-124767/REB 92-01 PC **A99**

EPA/530/SW-91/065B
Mining Sites on the National Priorities List: NPL Site Summary Reports. Volume 2 (Commencement Bay Nearshore/Tideflats to Kerr McGee) (Kress Creek, Reed-Keppler Park, Residential Areas, Sewage Treatment Plant).
PB92-124775/REB 92-01 PC **A99**

EPA/530/SW-91/065C
Mining Sites on the National Priorities List: NPL Site Summary Reports. Volume 3 (Kerr-McGee Chemical Corp. (Soda Springs Plant) to Ormet Corp).
PB92-124783/REB 92-01 PC **A99**

EPA/530/SW-91/065D
Mining Sites on the National Priorities List: NPL Site Summary Reports. Volume 4 (Oronogo-Duenweg Mining Belt to Tar Creek).
PB92-124791/REB 92-01 PC **A99**

EPA/530/SW-91/065E
Mining Sites on the National Priorities List: NPL Site Summary Reports. Volume 5 (Teledyne Wah Chang to Wayne Interim Storage Facility/W.R. Grace).
PB92-124809/REB 92-01 PC **A99**

EPA/530/SW-91/075
National Survey of Hazardous Waste Generators and Treatment, Storage, Disposal, and Recycling Facilities in 1986. Hazardous Waste Generation and Management.
PB92-123025/REB 92-01 PC **A12**/MF **A03**

EPA/530/R-92/023
No Migration Variances to the Hazardous Waste Land Disposal Prohibitions: A Guidance Manual for Petitioners (July 1992).
PB92-207695/REB 92-04 PC **A05**/MF **A02**

EPA/SW/DK-92/034
Organic Contract Compliance Screening System (OCCSS) Software (SOW February 1988) (for Microcomputers).
PB92-501501/REB 92-01 CP **D02**

EPA/SW/DK-92/032
Organic Contract Compliance Screening System (OCCSS) Software (SOW March 1990) (Version 1) (for Microcomputers).
PB92-501527/REB 92-01 CP **D02**

EPA/SW/DK-92/031
Organic Contract Compliance Screening System (OCCSS) Software (SOW OLM01.8 Version January 1992) (Version 1) (for Microcomputers).
PB92-501535/REB 92-01 CP **D02**

EPA/SW/DK-92/031A
Organic Contract Compliance Screening System. Software for the PC (OLM01.8 Version 1). User Manual.
PB92-145564/REB 92-01 PC **A06**/MF **A02**

EPA/SW/DK-92/043A
Organic Contract Compliance Screening System. Software for the PC (OLM01.8 Version 2) (User Manual).
PB92-169564/REB 92-04 PC **A06**/MF **A02**

EPA/SW/DK-92/032A
Organic Contract Compliance Screening System. Software for the PC (SOW March 1990, Version 1). User Manual.
PB92-145572/REB 92-01 PC **A08**/MF **A02**

EPA/SW/DK-92/034A
Organic Contract Compliance Screening System. Software for the PC (Version June 1990). User Manual.
PB92-145580/REB 92-01 PC **A08**/MF **A02**

EPA/540/9-91/001
OSWER Source Book: Training and Technology Transfer Resources.
PB92-102169/REB 92-01 PC **A13**/MF **A03**

EPA/530/R-92/010
Preliminary Use and Substitutes Analysis of Lead and Cadmium in Products in Municipal Solid Waste.
PB92-162551/REB 92-01 PC **A09**/MF **A02**

EPA/530/R-92/016
Proceedings on the National United States Environmental Protection Agency Conference on Household Hazardous Waste Management (6th). Held in Seattle, Washington on December 3-7, 1991.
PB92-169390/REB 92-01 PC **A99**/MF **E08**

EPA/542/F-92/012
Procuring Innovative Technologies at Remedial Sites: Q's and A's and Case Studies.
PB92-232388/REB 92-04 PC **A03**/MF **A01**

Projected Regulatory, Programmatic and Fiscal Impacts of EPA's Strawman-II on State Mine Waste Management Programs.
PB92-190149/REB 92-01 PC **E99**

EPA/530/R-92/008A
Projected Regulatory, Programmatic and Fiscal Impacts of EPA's Strawman-II on State Mine Waste Management Programs. Volume 1. Summary Report.
PB92-190156/REB 92-01 PC **A04**/MF **A01**

EPA/530/R-92/008B
Projected Regulatory, Programmatic and Fiscal Impacts of EPA's Strawman-II on State Mine Waste Management Programs. Volume 2. State Reports of Western Governors' Association Mine Waste Task Force States.
PB92-190164/REB 92-01 PC **A99**

EPA/530/R-92/008C
Projected Regulatory, Programmatic and Fiscal Impacts of EPA's Strawman-II on State Mine Waste Management Programs. Volume 3. Appendix: State Reports Interstate Coalition on Mine Waste.
PB92-190172/REB 92-01 PC **A14**

EPA/520/SW-91/062A
RCRA Permit Policy Compendium. Volume 1. User's Guide. Key Word Index.
PB92-111715/REB 92-01 PC **E10**

EPA/530/SW-91/062B
RCRA Permit Policy Compendium. Volume 2 (9420.1980-9434.1900). Hazardous Waste Management System (Part 260). General, Definitions, Petitions.
PB92-111723/REB 92-01 PC **A13**

EPA/530/SW-91/062C
RCRA Permit Policy Compendium. Volume 3 (9441.1980-9441.1986). Identification and Listing of Hazardous Waste (Part 261). General.
PB92-111731/REB 92-01 PC **A14**

EPA/530/SW-91/062D
RCRA Permit Policy Compendium. Volume 4 (9441.1987-9441.1990). Identification and Listing of Hazardous Waste (Part 261). General.
PB92-111749/REB 92-01 PC **A14**

EPA/530/SW-91/062E
RCRA Permit Policy Compendium. Volume 5 (9442.1980-9444.1986). Identification and Listing of Hazardous Waste (Part 261). Criteria for Identifying Hazardous Waste, Characteristics of Hazardous Waste, Lists of Hazardous Waste.
PB92-111756/REB 92-01 PC **A14**

EPA/530/SW-91/062F
RCRA Permit Policy Compendium. Volume 6 (9444.1987-9457.1990). Identification and Listing of Hazardous Waste (Part 261). Lists (Cont'd), Generator Standards (Part 262), General, Pretransportation, Recordkeeping, Special Conditions, Importing.
PB92-111764/REB 92-01 PC **A15**

EPA/530/SW-91/062G
RCRA Permit Policy Compendium. Volume 7 (9460.1980-9482.1990). Transporter Standards (Part 263). (TSDF's) (Parts 264 and 265), TSDF Technical Requirements (Parts 264 and 265).
PB92-111772/REB 92-01 PC **A11**

EPA/530/SW-91/062H
RCRA Permit Policy Compendium. Volume 8 (9483.1980-9489.1990). TSDF Technical Requirements (Parts 264 and 265). Tanks, Surface Impoundments, Waste Piles, Land Treatment, Landfills, Incinerators, Miscellaneous Units.
PB92-111780/REB 92-01 PC **A15**

EPA/530/SW-91/062I
RCRA Permit Policy Compendium. Volume 9 (9490.1980-9521.1990). Standards for Managing Specific Hazardous Wastes (Part 266). Permitting Policies, Permitting Procedures (Parts 124 and 270).
PB92-111798/REB 92-01 PC **A15**

EPA/530/SW-91/062J
RCRA Permit Policy Compendium. Volume 10 (9522.1980-9528.1990). Permitting Procedures (Parts 124 and 270). Applications, Conditions, Changes, Interim Status.
PB92-111806/REB 92-01 PC **A15**

EPA/530/SW-91/062K
RCRA Permit Policy Compendium. Volume 11 (9530.1980-9581.1990). Air Emissions Standards, State Authorization (Part 271), Land Disposal Restrictions (Part 268). Waste Minimization, Subtitle D, RCRA Grant Funds.
PB92-111814/REB 92-01 PC **A17**

RCRA, Superfund Monthly Hot Line Reports.
PB92-922400/REB 92-01 Subscription$96.00

RCRIS Data Element Dictionary, Version 3.0.0. Data Tape Documentation.
PB92-145515/REB 92-01 PC **A25**/MF **A06**

EPA/530/SW-91/073A
Regulatory Impact Analysis for the Final Criteria for Municipal Solid Waste Landfills.
PB92-100841/REB 92-01 PC **A13**/MF **A03**

EPA/DF/MT-92/029
Resource Conservation and Recovery Information System (RCRIS) Extract Tape.
PB92-592290/REB 92-01 CP **T01**

Section 3008(h) Module Order on Consent.
PB92-105477/REB 92-01 PC **A03**/MF **A01**

EPA/530/R-92/001
State Programs Advisory Number Nine.
PB92-149285/REB 92-01 PC **A99**/MF **E16**

EPA/540/S-92/002
TCE Removal from Contaminated Soil and Ground Water. Ground Water Issue.
PB92-224104/REB 92-04 PC **A03**/MF **A01**

EPA/542/N-92/001
Tech Trends (Number 8).
PB92-221985/REB 92-04 PC **A01**/MF **A01**

EPA/530/R-92/011
Technical Implementation Document for EPA's Boiler and Industrial Furnace Regulations.
PB92-154947/REB 92-01 PC **A11**/MF **A03**

EPA/530/SW-87/006F
Technical Resource Document: Batch-Type Procedures for Estimating Soil Adsorption of Chemicals.
PB92-188515/REB 92-01 PC **A06**/MF **A02**

Title 3 on Indian Lands: A Guide to the Emergency Planning and Community Right-to-Know Act. (Technical Assistance Bulletin). Volume 10, Number 2.
PB92-224740/REB 92-04 PC **A03**/MF **A01**

EPA/530/R-92/018
Update Package for RCRA Permit Policy Compendium (Assorted Volumes).
PB92-182518/REB 92-04 PC **E99**

EPA/542/R-92/001
Vendor Information System for Innovative Treatment Technologies. User Manual (VISITT Version 1.0). Number 1.
PB92-221647/REB 92-04 PC **A03**/MF **A01**

EPA/542/N-92/002
Vendor Information System for Innovative Treatment Technologies (VISITT). Number 1.
PB92-224716/REB 92-04 PC **A02**/MF **A01**

RADIATION

EPA/520/6-91/020
Electric and Magnetic Fields Near AM Broadcast Towers.
PB92-101427/REB 92-01 PC **A05**/MF **A01**

EPA/520/5-91/025
Environmental Radiation Data. Report 63, July-September 1990.
PB92-164706/REB 92-01 PC **A03**/MF **A01**

EPA/402/R-92/004
Indoor Radon and Radon Decay Product Measurement Device Protocols.
PB92-206176/REB 92-04 PC **A06**/MF **A02**

EPA/400/R-92/001
Manual of Protective Action Guides and Protective Actions for Nuclear Incidents.
PB92-164763/REB 92-01 PC **A12**/MF **A03**

EPA/402/R-92/006
National Radon Contractor Proficiency (RCP) Program. Proficiency Report, July 1992.
PB92-206150/REB 92-04 PC **A12**/MF **A03**

EPA/402/F-92/001
National Radon Measurement Proficiency Program: Individual Proficiency Report.
PB92-169473/REB 92-04 PC **A06**/MF **A02**

EPA/402/R-92/002
Potential Uses of Phosphogypsum and Associated Risks. Background Information Document.
PB92-196054/REB 92-01 PC **A06**/MF **A02**

EPA/520/5-88/017
Radiological Survey of the Norfolk Naval Station, the Norfolk Naval Shipyard, and Newport News Shipbuilding.
PB92-164730/REB 92-01 PC **A03**/MF **A01**

EPA/400/R-92/011
Technical Support Document for the 1992 Citizen's Guide to Radon.
PB92-218395/REB 92-04 PC **A08**/MF **A02**

EPA/400/R-92/003
User's Guide for the SYSPOP Program: A PC Version of the PRESTO-EPA-POP Operation System. Version 1.0.
PB92-213255/REB 92-04 PC **A11**/MF **A03**

AIR QUALITY PLANNING AND STANDARDS

EPA/500/K-92/002
Air Quality Atlas.
PB92-190248/REB 92-01 PC **A03**/MF **A01**

EPA/450/1-92/001
Air/Superfund National Technical Guidance Study Series: Estimation of Air Impacts for Soil Vapor Extraction (SVE) Systems.
PB92-143676/REB 92-01 PC **A03**/MF **A01**

EPA/450/1-92/004
Air Superfund National Technical Guidance Study Series. Estimation of Air Impacts for the Excavation of Contaminated Soil.
PB92-171925/REB 92-01 PC **A04**/MF **A01**

EPA/450/3-92/012
Alternative Control Techniques Document: For PM-10 Emissions from Ferrous Foundries.
PB92-180017/REB 92-01 PC **A07**/MF **A02**

EPA/450/3-91/026
Alternative Control Techniques Document: Nitric and Adipic Acid Manufacturing Plants.
PB92-132828/REB 92-01 PC **A07**/MF **A02**

EPA/450/3-91/027
Assessment of VOC Emissions and Their Control from Baker's Yeast Manufacturing Facilities.
PB92-145408/REB 92-01 PC **A04**/MF **A01**

EPA/530/SW-91/079
Background Document for the Liquid Release Test: Single Laboratory Evaluation and 1988 Collaborative Study.
PB92-183201/REB 92-04 PC **A06**/MF **A02**

EPA/450/3-91/024
Burning Tires for Fuel and Tire Pyrolysis: Air Implications.
PB92-145358/REB 92-01 PC **A11**/MF **A03**

EPA/600/R-92/011
Characterization of the Wintertime Boise, Idaho, Air Shed: A Comprehensive Field Study Report for the U.S. EPA Office of Air Quality Planning and Standards.
PB92-136803/REB 92-01 PC **A04**/MF **A01**

EPA/450/2-91/008
Clean Air Act Section 183(d) Guidance on Cost-Effectiveness.
PB92-136795/REB 92-01 PC **A03**/MF **A01**

Compilation of Air Pollutant Emission Factors. Volume 1. Stationary Point and Area Sources. Fourth Edition. Supplement D.
PB92-126945/REB 92-01 PC **A07**/MF **A02**

EPA/450/3-92/013
Control of VOC Emissions from Ink and Paint Manufacturing Processes.
PB92-190230/REB 92-01 PC **A09**/MF **A02**

EPA/453/R-92/001
Control of VOC Emissions from Nonferrous Metal Rolling Processes.
PB92-227677/REB 92-04 PC **A05**/MF **A01**

EPA/450/2-91/028
Crosswalk/Air Toxic Emission Factor Data Base Management System User's Manual, Version 1.2.
PB92-145556/REB 92-01 PC **A11**/MF **A03**

EPA/SW/DK-92/030
Crosswalk/Air Toxic Emission Factor Data Base Management System (XATEF), (Version 1.2) (for Microcomputers).
PB92-501626/REB 92-01 CP **D02**

EPA/452/B-92/001
Directory of OAQPS Information Services, May 1992.
PB92-198654/REB 92-01 PC **A03**/MF **A01**

EPA/450/3-91/030
Documentation for Developing the Initial Source Category List.
PB92-218429/REB 92-04 PC **A16**/MF **A03**

EPA/450/3-91/020A
Dry Cleaning Facilities: Background Information for Proposed Standards.
PB92-126762/REB 92-01 PC **A07**/MF **A02**

EPA/450/3-91/021
Economic Impact Analysis of Regulatory Controls in the Dry Cleaning Industry.
PB92-126770/REB 92-01 PC **A11**/MF **A03**

EPA/450/4-90/017
Emission Factor Documentation for AP-42 Section 2.5, Sewage Sludge Incineration.
PB92-152834/REB 92-01 PC **A05**/MF **A01**

EPA/450/4-91/011
Emission Inventory Requirements for Carbon Monoxide State Implementation Plans, 1991.
PB92-112150/REB 92-01 PC **A05**/MF **A01**

EPA/450/4-91/010
Emission Inventory Requirements for Ozone State Implementation Plans.
PB92-118017/REB 92-01 PC **A06**/MF **A02**

EPA/450/3-90/018
Enabling Document for New Source Performance Standards for Air Oxidation Processes and Distillation Operations in the Synthetic Organic Chemical Manufacturing Industry.
PB92-161967/REB 92-01 PC **A04**/MF **A01**

EPA/450/3-91/013
Enabling Document for Regulations Governing Compliance Extensions for Early Reductions of Hazardous Air Pollutants.
PB92-180132/REB 92-01 PC **A07**/MF **A02**

EPA/450/4-91/033
Enhanced Ozone Monitoring Network Design and Siting Criteria Guidance Document.
PB92-145390/REB 92-01 PC **A04**/MF **A01**

EPA/600/J-92/189
Evaluation of High Volume Particle Sampling and Sample Handling Protocols for Ambient Urban Air Mutagenicity Determinations.
PB92-188952/REB 92-01 PC **A02**/MF **A01**

EPA/450/4-89/018
Example Emission Inventory Documentation for Post-1987 Ozone State Implementation Plans (SIPs).
PB92-112176/REB 92-01 PC **A18**/MF **A04**

EPA/450/4-91/005A
Feasibility of Including Regional and Temporal VOC Emissions Estimates in the EPA Emissions Trends Report.
PB92-216910/REB 92-04 PC **A04**/MF **A01**

Fiscal Year 1991 Summary Report of NOAA Atmospheric Sciences Modeling Division Support to the U.S. Environmental Protection Agency.
PB92-217835/REB 92-04 PC **A05**/MF **A01**

EPA/450/4-91/032
Gridded Model Information Support System (GMISS) User's Guide. Volume 3. Model Concentration Data Retrieval Subsystem.
PB92-190263/REB 92-01 PC **A05**/MF **A01**

EPA/450/4-92/009
Guide for Using the Empirical Kinetics Modeling Approach Interface (EKMAI).
PB92-196005/REB 92-01 PC **A03**/MF **A01**

EPA/450/4-91/013
Guideline for Regulatory Application of the Urban Airshed Model.
PB92-108760/REB 92-01 PC **A05**/MF **A01**

EPA/450/4-92/011A
Guideline for Regulatory Application of the Urban Airshed Model for Areawide Carbon Monoxide. Volume 1. Technical Report.
PB92-213222/REB 92-04 PC **A04**/MF **A01**

EPA/450/4-92/011B
Guideline for Regulatory Application of the Urban Airshed Model for Areawide Carbon Monoxide. Volume 2. Appendices.
PB92-213230/REB 92-04 PC **A04**/MF **A01**

EPA/450/4-91/031
Guideline Series: Control of Volatile Organic Compound Emissions from Reactor Processes and Distillation Operations Processes in the Synthetic Organic Chemical Manufacturing Industry.
PB92-180009/REB 92-01 PC **A09**/MF **A03**

EPA/340/1-90/007
Guidelines for Asbestos NESHAP Demolition and Renovation Inspection Procedures.
PB92-132836/REB 92-01 PC **A07**/MF **A02**

EPA/450/3-91/0100
Human Exposure Model-II: User's Guide.
PB92-186246/REB 92-01 PC **A08**/MF **A02**

EPA/454/R-92/001
Interagency Workgroup on Air Quality Modeling (IWAQM) Work Plan Rationale.
PB92-213248/REB 92-04 PC **A03**/MF **A01**

EPA/600/J-92/192
Introduction and Summary. Genotoxicity and Carcinogenicity Databases: An Assessment of the Present Situation.
PB92-188986/REB 92-01 PC **A01**/MF **A01**

EPA/450/4-91/029
Locating and Estimating Air Emissions from Sources of Styrene, Interim Report.
PB92-126788/REB 92-01 PC **A08**/MF **A02**

EPA/450/4-91/020A
Measurement Solution: Using a Temporary Total Enclosure for Capture Efficiency Testing.
PB92-190271/REB 92-01 PC **A07**/MF **A02**

EPA/450/3-91/018
NATICH Data Base Report on State, Local and EPA Air Toxics Activities, September 1991.
PB92-143700/REB 92-01 PC **A99**/MF **A06**

EPA/450/4-91/026
National Air Pollutant Emission Estimates 1940-1990.
PB92-152859/REB 92-01 PC **A05**/MF **A02**

EPA/450/4-91/023
National Air Quality and Emissions Trends Report, 1990.
PB92-141555/REB 92-01 PC **A07**/MF **A02**

EPA/450/3-91/016
National Air Toxics Information Clearinghouse: Bibliography of Selected Reports and Federal Register Notices Related to Air Toxics. Volume 5. Citations, 1991.
PB92-111830/REB 92-01 PC **A10**/MF **A03**

EPA/450/3-91/015
National Air Toxics Information Clearinghouse: Ongoing Research and Regulatory Development Projects.
PB92-111905/REB 92-01 PC **A10**/MF **A03**

EPA/600/A-92/126
Performance of Automated Ambient SO2 Analyzers with Respect to a Proposed 5-Minute Ambient Air Quality Standard.
PB92-192178/REB 92-01 PC **A03**/MF **A01**

EPA/4503-91/012A
Procedures for Establishing Emissions for Early Reduction Compliance Extensions. Volume 1. Synthetic Organic Chemical Manufacturing, Ethylene Oxide Sterilization, and Chromium Electroplating.
PB92-176221/REB 92-01 PC **A05**/MF **A01**

EPA/450/4-91/016
Procedures for the Preparation of Emission Inventories for Carbon Monoxide and Precursors of Ozone. Volume 1. General Guidance for Stationary Sources.
PB92-112168/REB 92-01 PC **A11**/MF **A03**

EPA/450/3-92/015
Production of Acetal, Amino, and Phenolic Resins.
PB92-213263/REB 92-04 PC **A08**/MF **A02**

EPA/450/3-90/006A
OAQPS Control Cost Manual (Fourth Edition). Supplement 1.
PB92-137181/REB 92-01 PC **A05**/MF **A01**

EPA/600/A-92/114
Quality Assurance Planning for Stationary Source Field Sampling.
PB92-188804/REB 92-01 PC **A02**/MF **A01**

EPA/454/R-92/007
Quality Review Guidelines for 1990 Base Year Emission Inventories.
PB92-224435/REB 92-04 PC **A12**/MF **A03**

EPA/450/3-92/005
Questions and Answers about the Early Reductions Program.
PB92-180124/REB 92-01 PC **A04**/MF **A01**

EPA/453/R-92/002
RACT/BACT/LAER Clearinghouse: A Compilation of Control Technology Determinations. Second Supplement to the 1990 Edition.
PB92-235647/REB 92-04 PC **A20**/MF **A04**

EPA/450/4-91/002A
Regional Ozone Modeling for Northeast Transport (ROMNET).
PB92-108786/REB 92-01 PC **A15**/MF **A03**

EPA/450/4-91/002B
Regional Ozone Modeling for Northeast Transport (ROMNET). Appendices.
PB92-108794/REB 92-01 PC **A15**/MF **A03**

EPA/450/2-92/001
Review of the National Ambient Air Quality Standards for Ozone Assessment of Scientific and Technical Information. OAQPS Staff Paper.
PB92-190446/REB 92-01 PC **A17**/MF **A03**

EPA/450/4-91/021
Screening Methods for the Development of Air Toxics Emission Factors.
PB92-108778/REB 92-01 PC **A20**/MF **A04**

EPA/450/2-91/009
Status of Selected Air Pollution Control Programs, February 1992.
PB92-171966/REB 92-01 PC **A09**/MF **A02**

Summary of NOx Control Technologies and Their Availability and Extent of Application.
PB92-158260/REB 92-01 PC **A06**/MF **A02**

EPA/450/4-92/010
Technical Assistance Document: Performance Audit Procedures for Opacity Monitors.
PB92-192889/REB 92-01 PC **A12**/MF **A03**

EPA/450/3-91/022B
Technical Guidance: Stage II Vapor Recovery Systems for Control of Vehicle Refueling Emissions at Gasoline Dispensing Facilities. Volume 2. Appendices.
PB92-132851/REB 92-01 PC **A20**/MF **A04**

EPA/450/3-91/022A
Technical Guidance: Stage II Vapor Recovery Systems for Control of Vehicle Refueling Emissions at Gasoline Dispensing Facilities. Volume 1. Chapters.
PB92-132844/REB 92-01 PC **A10**/MF **A03**

EPA/452/R-92/003
Technical Support Document to Aid States with the Development of Carbon Monoxide State Implementation Plans.
PB92-233055/REB 92-04 PC **A04**/MF **A01**

EPA/450/4-92/001
Tiered Modeling Approach for Assessing the Risks Due to Sources of Hazardous Air Pollutants.
PB92-164748/REB 92-01 PC **A03**/MF **A01**

EPA/450/4-91/025
Urban Air Toxics Monitoring Program Carbonyl Results, 1990.
PB92-110030/REB 92-01 PC **A07**/MF **A02**

EPA/450/4-91/024
Urban Air Toxics Monitoring Program, 1990.
PB92-110022/REB 92-01 PC **A13**/MF **A03**

EPA/450/4-92/008A
User's Guide for the Industrial Source Complex (ISC2) Dispersion Models. Volume 1. User Instructions.
PB92-232453/REB 92-04 PC **A13**/MF **A03**

EPA/450/4-92/008B
User's Guide for the Industrial Source Complex (ISC2) Dispersion Models. Volume 2: Description of Model Algorithms.
PB92-232461/REB 92-04 PC **A05**/MF **A01**

EPA/450/4-92/008C
User's Guide for the Industrial Source Complex (ISC2) Dispersion Models. Volume 3: Guide to Programmers.
PB92-232479/REB 92-04 PC **A07**/MF **A02**

EPA/450/4-90/007D(R)
User's Guide for the Urban Airshed Model. Volume 4. User's Manual for the Emissions Preprocessor System 2.0. Part A: Core FORTRAN System.
PB92-226232/REB 92-04 PC **A19**/MF **A04**

EPA/450/4-90/007G
User's Guide for the Urban Airshed Model. Volume 7. User's Manual for the Performance Evaluation System.
PB92-224849/REB 92-04 PC **A07**/MF **A02**

EPA/DF/DK-92/016
Volatile Organic Compound and Particulate Matter (VOC/PM) Speciation Data Base Management System (SPECIATE), Version 1.4 (for Microcomputers).
PB92-500354/REB 92-01 CP **D02**

EPA/450/4-91/027
Volatile Organic Compound (VOC) and Particulate Matter (PM) Speciation Data System User's Manual, Version 1.4.
PB92-105527/REB 92-01 PC **A04**/MF **A01**

MOBILE SOURCE POLLUTION CONTROL

EPA/AA/CD/CPSB-92/01
Effects of RVP on Emissions at 20F Ambient Temperature.
PB92-143684/REB 92-01 PC **A03**/MF **A01**

EPA/AA/CTAB-91/04
Evaluation of a Kemira Oy Resistively Heated Catalyst on a Methanol-Fueled Vehicle.
PB92-104397/REB 92-01 PC **A03**/MF **A01**

EPA/AA/CTAB-91/05
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Integrating On-Board Diagnostic System Capabilities into the Inspection and Repair Functions of I/M Programs.
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Natural Gas Vehicle Challenge: EPA Emissions and Fuel Economy Testing, 1992.
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Nonroad Engine and Vehicle Emission Study-Report and Appendixes.
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Recommended I/M Short Test Procedures for the 1990's: Six Alternatives.
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EPA/420/R-92/001
Transportation and Air Quality Planning Guidelines, 1992.
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PB92-592210/REB 92-01 Subscription

Enforcement Document Retrieval System (EDRS) - EBCDIC (1972-November 1991).
PB92-592220/REB 92-01 Subscription

Enforcement Document Retrieval System (EDRS) Master File (1972-April 1992).
PB92-592380/REB 92-01 Subscription$1,440.00

EPA/DF/MT-92/042
Enforcement Document Retrieval System (EDRS) Update File (November 14, 1991 to April 22, 1992).
PB92-592390/REB 92-01 CP **T99**

EPA-22E-2000
Enforcement in the 1990's Project: Recommendations of the Analytical Workgroups.
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Environmental Protection Agency Civil Enforcement Docket.
PB92-921700/REB 92-01 Subscription

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EPA/220/B-92/014
Access EPA: Public Information Tools, Major EPA Dockets, Clearinghouses and Hotlines, Records Management Programs, Major EPA Environmental Databases, Library and Information Services, State Environmental Libraries, EPA Scientific Models New for 1992. 1992 Edition.
PB92-147438/REB 92-04 PC**$21.00**

EPA/IMSD-91/010
EPA Journal Holdings Report, 1991.
PB92-132810/REB 92-01 PC **A12**/MF **A03**

EPA/IMSD-91/014
INFOTERRA/USA Directory of Environmental Sources.
PB92-102433/REB 92-01 PC **A20**/MF **A04**

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Carpet Policy Dialogue. Compendium Report, September 27, 1991.
PB92-115005/REB 92-01 PC **A99**/MF **A06**

EPA/560/5-91/003
Chlorinated Dioxins and Furans in the General U.S. Population: NHATS FY87 Results.
PB92-180157/REB 92-01 PC **A12**/MF **A03**

Citizen's Guide to Pesticides (Fourth Edition), November 1991.
PB92-218403/REB 92-04 PC **A03**/MF **A01**

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Common Synonyms: For Chemicals Listed Under Section 313 of the Emergency Planning and Community Right-to-Know Act.
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Comparison of Airborne Asbestos Levels Determined by Transmission Electron Microscopy (TEM) Using Direct and Indirect Transfer Techniques.
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Consolidated List of Chemical Subject to Reporting under the Emergency Planning and Community Right to Know Act. SARA Section 302 Extremely Hazardous Substances, CERCL Hazardous Substances and SARA Section 313 Toxic Chemicals (Title III, List of Lists) (for Microcomputers).
PB92-501774/REB 92-01 CP **D02**

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EPA's Pesticide Programs.
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Toxic Release Inventory (TRI) United States and Territories, 1987.
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Toxic Release Inventory (TRI) United States and Territories, 1988.
PB92-100122/REB 92-01 MF**$600.00**

EPA/DF/CD-92/001
Toxic Release Inventory (TRI) 1987-1989, (on CD-ROM).
PB92-500024/REB 92-01 CD-ROMS45.00

EPA/560/4-91/014
Toxics in the Community: National and Local Perspectives. The 1989 Toxics Release Inventory National Report.
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ECO Update: The Role of BTAGs in Ecological Assessment. Volume 1, Number 1, September 1991.
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ECO Update. Volume 1, Number 4. Developing a Work Scope for Ecological Assessments.
PB92-963370/REB 92-04 PC **A03**/MF **A01**

ECO Update. Volume 1, Number 5, August 1992. Briefing the BTAG: Initial Description of Setting, History, and Ecology of a Site.
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EPA/540/2-91/016
Forum on Innovative Hazardous Waste Treatment Technologies (3rd): Domestic and International. Held in Dallas, Texas on June 11-13, 1991. Abstract Proceedings.
PB92-233881/REB 92-04 PC **A05**/MF **A01**

FY 1992 Themes for Regional Coordination to Support Continuous Improvements of Superfund's Remedial Program.
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Superfund Accelerated Cleanup Bulletin: Presumptive Remedies for Wood Treatment Facilities. Volume 1, Number 2, May 1992.
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Superfund Accelerated Cleanup Bulletin. Volume 1, Number 1. Presumptive Remedies for Municipal Landfill Sites.
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Superfund Innovative Technology Evaluation Program: Spring Update to the Technology Profiles. Fourth Edition.
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Superfund Innovative Technology Evaluation (SITE): Demonstration Bulletin. Flame Reactor, Horsehead Resource Development Company, Inc.
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Superfund Record of Decision (EPA Region 2): Applied Environmental Services Site, Glenwood Landing, Nassau County, NY. (First Remedial Action), June 1991.
PB92-963823/REB 92-04 PC **A05**/MF **A01**

EPA/ROD/R02-091/163
Superfund Record of Decision (EPA Region 2): Asbestos Dump, New Vernon Road and White Bridge Road Sites, Passaic Township, Meyersville, NJ. (Second Remedial Action), September 1991.
PB92-963809/REB 92-01 PC **A04**/MF **A01**

EPA/ROD/R02-91/134
Superfund Record of Decision (EPA Region 2): C and J Disposal Site, Town of Eaton, Madison County, NY. (First Remedial Action), March 1991.
PB92-963801/REB 92-01 PC **A06**/MF **A02**

EPA/ROD/R02-91/159
Superfund Record of Decision (EPA Region 2): Chemsol, Inc., Piscataway, Middlesex County, NJ. (First Remedial Action), September 1991.
PB92-963811/REB 92-01 PC **A04**/MF **A01**

EPA/ROD/R02-91/138
Superfund Record of Decision (EPA Region 2): Circuitron Corporation, East Farmingdale, Suffolk County, NY. (First Remedial Action), March 1991.
PB92-963830/REB 92-04 PC **A05**/MF **A01**

EPA/ROD/R02-91/135
Superfund Record of Decision (EPA Region 2): Colesville Municipal Landfill Site, Town of Colesville, Broome County, NY. (First Remedial Action), March 1991.
PB92-963822/REB 92-04 PC **A12**/MF **A03**

EPA/ROD/R02-91/136
Superfund Record of Decision (EPA Region 2): Conklin Dumps, Broome County, Conklin, NY. (First Remedial Action), March 1991.
PB92-963824/REB 92-04 PC **A07**/MF **A02**

EPA/ROD/R02-91/143
Superfund Record of Decision (EPA Region 2): Curcio Scrap Metal, Bergen County, Saddle Brook, NJ. (First Remedial Action), June 1991.
PB92-963825/REB 92-04 PC **A06**/MF **A02**

EPA/ROD/R02-91/137
Superfund Record of Decision (EPA Region 2): Endicott Village Wellfield, Broome County, Endicott, NY. (Second Remedial Action), March 1991.
PB92-963802/REB 92-01 PC **A04**/MF **A01**

EPA/ROD/R02-91/167
Superfund Record of Decision (EPA Region 2): Fort Dix Landfill, Fort Dix Military Reservation, Pemberton Township, Burlington County, NJ. (First Remedial Action), September 1991.
PB92-963820/REB 92-04 PC **A06**/MF **A02**

EPA/ROD/R02-91/164
Superfund Record of Decision (EPA Region 2): Frontera Creek Site, Humacao, Puerto Rico (First Remedial Action), September 1991.
PB92-963819/REB 92-04 PC **A06**/MF **A02**

EPA/ROD/R02-91/148
Superfund Record of Decision (EPA Region 2): Garden State Cleaners, Buena Borough, Atlantic County, NJ. (First Remedial Action), September 1991.
PB92-963834/REB 92-04 PC **A04**/MF **A01**

EPA/ROD/R02-91/131
Superfund Record of Decision (EPA Region 2): General Motors/Central Foundry Division Site, St. Lawrence County, Massena, NY. (First Remedial Action), December 1990.
PB92-963818/REB 92-04 PC **A10**/MF **A03**

EPA/ROD/R02-91/142
Superfund Record of Decision (EPA Region 2): Genzale Plating Company, Franklin Square, Nassau County, NY. (First Remedial Action), March 1991.
PB92-963803/REB 92-01 PC **A05**/MF **A01**

EPA/ROD/R02-91/147
Superfund Record of Decision (EPA Region 2): Global Landfill, Middlesex County, NJ. (First Remedial Action), October 1991.
PB92-963804/REB 92-01 PC **A08**/MF **A02**

EPA/ROD/R02-91/160
Superfund Record of Decision (EPA Region 2): Hertel Landfill, Town of Plattekill, Ulster County, NY. (First Remedial Action), September 1991.
PB92-963821/REB 92-04 PC **A05**/MF **A01**

EPA/ROD/R02-90/140
Superfund Record of Decision (EPA Region 2): Hooker Chemical S-Area, Niagara Falls, NY. (First Remedial Action), September 1990.
PB92-963812/REB 92-04 PC **A15**/MF **A03**

EPA/ROD/R02-91/156
Superfund Record of Decision (EPA Region 2): Juncos Landfill, Juncos, PR. (First Remedial Action), September 1991.
PB92-963831/REB 92-04 PC **A05**/MF **A02**

EPA/ROD/R02-91/165
Superfund Record of Decision (EPA Region 2): Love Canal (93rd Street School), Niagara County, City of Niagara Falls, NY. (Third Remedial Action), (Amendment), May 1991.
PB92-963805/REB 92-01 PC **A03**/MF **A01**

EPA/ROD/R02-91/144
Superfund Record of Decision (EPA Region 2): Mattiace Petrochemicals Co., Inc., Nassau County, Glen Cove, NY. (Second Remedial Action), June 1991.
PB92-963807/REB 92-04 PC **A06**/MF **A02**

EPA/ROD/R02-91/145
Superfund Record of Decision (EPA Region 2): Nascolite Corporation, Doris Avenue, Cities of Millville and Vineland, Cumberland County, NJ. (Second Remedial Action), June 1991.
PB92-963817/REB 92-04 PC **A07**/MF **A02**

EPA/ROD/R02-91/132
Superfund Record of Decision (EPA Region 2): Naval Air Engineering Center (Operable Unit 1), Lakehurst, NJ. (First Remedial Action), February 1991.
PB92-963808/REB 92-01 PC **A04**/MF **A01**

EPA/ROD/R02-91/133
Superfund Record of Decision (EPA Region 2): Naval Air Engineering Center, (Operable Unit 2), Lakehurst, NJ. (Second Remedial Action), February 1991.
PB92-963810/REB 92-01 PC **A04**/MF **A01**

EPA/ROD/R02-91/166
Superfund Record of Decision (EPA Region 2): Naval Air Engineering Center (Operable Unit 3), Lakehurst, NJ. (Fourth Remedial Action), September 1991.
PB92-963806/REB 92-01 PC **A04**/MF **A01**

EPA/ROD/R02-91/157
Superfund Record of Decision (EPA Region 2): Naval Air Engineering Center, (Operable Unit 4), Lakehurst, NJ. (Third Remedial Action), September 1991.
PB92-963832/REB 92-04 PC **A04**/MF **A01**

EPA/ROD/R02-91/162
Superfund Record of Decision (EPA Region 2): NL Industries, Salem County, Pedricktown, NJ. (First Remedial Action), September 1991.
PB92-963813/REB 92-04 PC **A07**/MF **A02**

Superfund Record of Decision (EPA Region 2): Sinclair Refinery, Allegany County, Wellsville, NY. (Second Remedial Action), September 1991.
PB92-963827/REB 92-04 PC **A06**/MF **A02**

EPA/ROD/R02-91/158
Superfund Record of Decision (EPA Region 2): Swope Oil and Chemical Company, Pennsauken Township, Camden County, NJ. (Second Remedial Action), September 1991.
PB92-963833/REB 92-04 PC **A07**/MF **A02**

EPA/ROD/R02-91/153
Superfund Record of Decision (EPA Region 2): Upper Deerfield Township Sanitary Landfill, Upper Deerfield Township, Cumberland County, NJ. (First Remedial Action), September 1991.
PB92-963816/REB 92-04 PC **A03**/MF **A01**

EPA/ROD/R02-91/154
Superfund Record of Decision (EPA Region 2): Waldick Aerospace Devices, Wall Township, Monmouth County, NJ. (Second Remedial Action), March 1991.
PB92-963815/REB 92-04 PC **A04**/MF **A01**

EPA/ROD/R02-91/141
Superfund Record of Decision (EPA Region 2): Warwick Landfill, Town of Warwick, Orange County, NY. (First Remedial Action), June 1991.
PB92-963826/REB 92-04 PC **A06**/MF **A02**

EPA/ROD/R02-91/150
Superfund Record of Decision (EPA Region 2): White Chemical Corporation, Essex County, Newark, NJ. (First Remedial Action), September 1991.
PB92-963829/REB 92-04 PC **A03**/MF **A01**

EPA/ROD/R03-91/132
Superfund Record of Decision (EPA Region 3): Arrowhead Associates/Scovill, Montross, VA. (First Remedial Action), September 1991.
PB92-963925/REB 92-04 PC **A05**/MF **A01**

EPA/ROD/R03-91/112
Superfund Record of Decision (EPA Region 3): AVCO Lycoming-Williamsport Division, Lycoming County, Williamsport, PA. (First Remedial Action), June 1991.
PB92-963920/REB 92-01 PC **A05**/MF **A01**

EPA/ROD/R03-91/110
Superfund Record of Decision (EPA Region 3): Brodhead Creek, Stroudsburg, PA. (First Remedial Action), March 1991.
PB92-963915/REB 92-01 PC **A06**/MF **A02**

EPA/ROD/R03-91/120
Superfund Record of Decision (EPA Region 3): Cryo-Chem Site, Earl Township, Berks County, PA. (Third Remedial Action), September 1991.
PB92-963908/REB 92-01 PC **A05**/MF **A01**

EPA/ROD/R03-91/133
Superfund Record of Decision (EPA Region 3): Dixie Caverns County Landfill, Roanoke County, VA. (First Remedial Action), September 1991.
PB92-963929/REB 92-04 PC **A03**/MF **A01**

EPA/ROD/R03-91/127
Superfund Record of Decision (EPA Region 3): Dorney Road Landfill Site, Upper Macungie Township, Lehigh County, PA. (Second Remedial Action), September 1991.
PB92-963907/REB 92-01 PC **A05**/MF **A01**

EPA/ROD/R03-91/135
Superfund Record of Decision (EPA Region 3): Eastern Diversified Metals, Schuylkill County, PA. (First Remedial Action), March 1991.
PB92-963933/REB 92-04 PC **A05**/MF **A01**

EPA/ROD/R03-91/134
Superfund Record of Decision (EPA Region 3): First Piedmont Rock Quarry/Route 719 Site, Danville, VA. (First Remedial Action), June 1991.
PB92-963924/REB 92-04 PC **A04**/MF **A01**

EPA/ROD/R03-91/117
Superfund Record of Decision (EPA Region 3): Greenwood Chemical Site, Operable Unit 2, Newtown, VA. (Second Remedial Action), December 1990.
PB92-963930/REB 92-04 PC **A03**/MF **A01**

EPA/ROD/R03-91/115
Superfund Record of Decision (EPA Region 3): Halby Chemical, Wilmington, New Castle County, DE. (First Remedial Action), June 1991.
PB92-963914/REB 92-01 PC **A06**/MF **A02**

EPA/ROD/R03-91/131
Superfund Record of Decision (EPA Region 3): Havertown PCP (Pentachlorophenol), Haverford Township, Delaware County, PA. (Second Remedial Action), September 1991.
PB92-963922/REB 92-04 PC **A06**/MF **A02**

EPA/ROD/R03-91/124
Superfund Record of Decision (EPA Region 3): Heleva Landfill Site, Lehigh County, PA. (First Remedial Action), (Amendment), September 1991.
PB92-963917/REB 92-01 PC **A03**/MF **A01**

EPA/ROD/R03-91/123
Superfund Record of Decision (EPA Region 3): Hellertown Manufacturing Company, Hellertown Borough, Northampton County, PA. (First Remedial Action), September 1991.
PB92-963905/REB 92-01 PC **A04**/MF **A01**

EPA/ROD/R03-90/092
Superfund Record of Decision (EPA Region 3): Hranica Landfill, Buffalo Township, PA. (First Remedial Action), June 1990.
PB91-921566/REB 92-01 PC **A03**/MF **A01**

EPA/ROD/R03-91/139
Superfund Record of Decision (EPA Region 3): Industrial Drive Operable Unit 2, Williams Township, PA. (Second Remedial Action), March 1991.
PB92-963918/REB 92-01 PC **A05**/MF **A01**

EPA/ROD/R03-91/130
Superfund Record of Decision (EPA Region 3): McAdoo Associates, (Operable Unit 2), Schuylkill County, PA. (Third Remedial Action), September 1991.
PB92-963932/REB 92-04 PC **A04**/MF **A01**

EPA/ROD/R03-91/106
Superfund Record of Decision (EPA Region 3): Mid-Atlantic Wood Preservers, Harmans, Anne Arundel County, MD. (First Remedial Action), December 1990.
PB92-963901/REB 92-01 PC **A04**/MF **A01**

EPA/ROD/R03-91/107
Superfund Record of Decision (EPA Region 3): Middletown Air Field Site, Middletown, PA. (Second Remedial Action), December 1990.
PB92-963904/REB 92-01 PC **A04**/MF **A01**

EPA/ROD/R03-91/138
Superfund Record of Decision (EPA Region 3): Modern Sanitation Landfill, Windsor and Lower Windsor Townships, York County, PA. (First Remedial Action), June 1991.
PB92-963931/REB 92-04 PC **A04**/MF **A01**

EPA/ROD/R03-91/122
Superfund Record of Decision (EPA Region 3): NCR Corporation (Millsboro Plant), Sussex County, Millsboro, DE. (First Remedial Action), August 1991.
PB92-963919/REB 92-01 PC **A05**/MF **A01**

EPA/ROD/R03-91/128
Superfund Record of Decision (EPA Region 3): Old City of York Landfill, Springfield Township, York County, PA. (First Remedial Action), September 1991.
PB92-963928/REB 92-04 PC **A05**/MF **A01**

EPA/ROD/R03-91/114
Superfund Record of Decision (EPA Region 3): Publicker/Cuyahoga Wrecking Plant, PA. (Second Remedial Action), June 1991.
PB92-963902/REB 92-01 PC **A03**/MF **A01**

EPA/ROD/R03-91/113
Superfund Record of Decision (EPA Region 3): Resin Disposal, Jefferson Borough, Allegheny County, PA. (First Remedial Action), June 1991.
PB92-963903/REB 92-01 PC **A04**/MF **A01**

EPA/ROD/R03-91/136
Superfund Record of Decision (EPA Region 3): Saunders Supply Company, Chuckatuck, VA. (First Remedial Action), September 1991.
PB92-963927/REB 92-04 PC **A04**/MF **A01**

EPA/ROD/R03-91/121
Superfund Record of Decision (EPA Region 3): Sealand Limited Site, Mt. Pleasant, DE. (First Remedial Action), September 1991.
PB92-963923/REB 92-04 PC **A03**/MF **A01**

EPA/ROD/R03-91/116
Superfund Record of Decision (EPA Region 3): Strasburg Landfill, Newlin Township, Chester County, PA. (Second Remedial Action), June 1991.
PB92-963913/REB 92-01 PC **A04**/MF **A01**

EPA/ROD/R03-91/126
Superfund Record of Decision (EPA Region 3): USA Aberdeen, Michaelsville, MD. (First Remedial Action), September 1991.
PB92-963909/REB 92-01 PC **A03**/MF **A01**

EPA/ROD/R03-91/125
Superfund Record of Decision (EPA Region 3): USA Aberdeen Proving Ground, Edgewood, MD. (First Remedial Action), September 1991.
PB92-963916/REB 92-01 PC **A05**/MF **A01**

EPA/ROD/R03-91/118
Superfund Record of Decision (EPA Region 3): USA Letterkenny - PDO, Chambersburg, PA. (First Remedial Action), August 1991.
PB92-963910/REB 92-01 PC **A03**/MF **A01**

EPA/ROD/R03-91/119
Superfund Record of Decision (EPA Region 3): USA Letterkenny - Southeastern Area, Chambersburg, PA. (First Remedial Action), August 1991.
PB92-963911/REB 92-01 PC **A04**/MF **A01**

EPA/ROD/R03-91/108
Superfund Record of Decision (EPA Region 3): Whitmoyer Laboratories (Operable Unit 2), Lebanon County, PA. (Second Remedial Action), December 1990.
PB92-963912/REB 92-01 PC **A05**/MF **A01**

EPA/ROD/R03-91/109
Superfund Record of Decision (EPA Region 3): Whitmoyer Laboratories (Operable Unit 3), Lebanon County, PA. (Third Remedial Action), December 1990.
PB92-963926/REB 92-04 PC **A05**/MF **A01**

EPA/ROD/R03-91/137
Superfund Record of Decision (EPA Region 3): William Dick Lagoons, West Caln Township, Chester County, PA. (First Remedial Action), June 1991.
PB92-963921/REB 92-04 PC **A07**/MF **A02**

EPA/ROD/R04-91/093
Superfund Record of Decision (EPA Region 4): Aberdeen Pesticide Dumps, Moore County, Aberdeen, NC. (First Remedial Action), (Amendment), September 1991.
PB92-964005/REB 92-01 PC **A07**/MF **A02**

EPA/ROD/R04-91/099
Superfund Record of Decision (EPA Region 4): Arlington Blending and Packaging, Shelby County, Arlington, TN. (First Remedial Action), June 1991.
PB92-964014/REB 92-04 PC **A06**/MF **A02**

EPA/ROD/R04-91/095
Superfund Record of Decision (EPA Region 4): Carolina Transformer Site, Cumberland County, Fayetteville, NC. (First Remedial Action), August 1991.
PB92-964017/REB 92-04 PC **A06**/MF **A02**

EPA/ROD/R04-91/094
Superfund Record of Decision (EPA Region 4): Charles Macon Lagoon and Drum Storage, Richmond County, Cordova, NC. (First Remedial Action), September 1991.
PB92-964023/REB 92-04 PC **A07**/MF **A02**

EPA/ROD/R04-91/091
Superfund Record of Decision (EPA Region 4): Ciba-Geigy, Washington County, McIntosh, AL. (Second Remedial Action), September 1991.
PB92-964021/REB 92-04 PC **A04**/MF **A01**

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EPA/ROD/R04-91/084
Superfund Record of Decision (EPA Region 4): Golden Strip Septic Tank, Greenville County, Simpsonville, SC. (First Remedial Action), September 1991.
PB92-964018/REB 92-04 PC **A14**/MF **A03**

EPA/ROD/R04-91/089
Superfund Record of Decision (EPA Region 4): Hercules 009 Landfill Site, Brunswick, Glynn County, GA. (First Remedial Action), June 1991.
PB92-964001/REB 92-01 PC **A03**/MF **A01**

EPA/ROD/R04-91/090
Superfund Record of Decision (EPA Region 4): Interstate Lead (ILCO), Jefferson County, Leeds, AL. (First Remedial Action), September 1991.
PB92-964016/REB 92-04 PC **A06**/MF **A02**

EPA/ROD/R04-90/064
Superfund Record of Decision (EPA Region 4): Jadco-Hughes Site, North Belmont, NC. (First Remedial Action), September 1990.
PB91-921565/REB 92-01 PC **A17**/MF **A03**

EPA/ROD/R04-91/097
Superfund Record of Decision (EPA Region 4): Maxey Flats Nuclear Disposal Site, Fleming County, KY. (First Remedial Action), September 1991.
PB92-964015/REB 92-04 PC **A09**/MF **A03**

EPA/ROD/R04-91/081
Superfund Record of Decision (EPA Region 4): Medley Farms, Cherokee County, Gaffney, SC. (First Remedial Action), May 1991.
PB92-964009/REB 92-01 PC **A09**/MF **A02**

EPA/ROD/R04-91/080
Superfund Record of Decision (EPA Region 4): Monsanto Superfund Site, Augusta, GA. (First Remedial Action), December 1990.
PB92-964003/REB 92-01 PC **A04**/MF **A01**

EPA/ROD/R04-91/098
Superfund Record of Decision (EPA Region 4): Oak Ridge Reservation (USDOE), (Operable Unit 2), Oak Ridge, TN. (First Remedial Action), June 1991.
PB92-964013/REB 92-01 PC **A03**/MF **A01**

EPA/ROD/R04-91/095
Superfund Record of Decision (EPA Region 4): Oak Ridge Reservation (USDOE), (Operable Unit 3), Anderson County, Oak Ridge, TN. (Second Remedial Action), September 1991.
PB92-964022/REB 92-04 PC **A03**/MF **A01**

EPA/ROD/R04-91/096
Superfund Record of Decision (EPA Region 4): Oak Ridge Reservation (USDOE), (Operable Unit 4), Roane County, Oak Ridge, TN. (Third Remedial Action), September 1991.
PB92-964012/REB 92-01 PC **A03**/MF **A01**

EPA/ROD/R04-91/079
Superfund Record of Decision (EPA Region 4): Petroleum Products Corporation Site, Operable Unit 1, Pembroke Park, Broward County, FL. (First Remedial Action), October 1990.
PB92-964007/REB 92-01 PC **A04**/MF **A01**

EPA/ROD/R04-91/100
Superfund Record of Decision (EPA Region 4): Sangamo/Twelve-Mile Creek, Lake Hartwell PCB Contamination Site, Pickens, SC. (First Remedial Action), December 1990.
PB92-964008/REB 92-01 PC **A11**/MF **A03**

EPA/ROD/R04-91/092
Superfund Record of Decision (EPA Region 4): Sherwood Medical Industries, Volusia County, Deland, FL. (First Remedial Action), March 1991.
PB92-964019/REB 92-04 PC **A03**/MF **A01**

EPA/ROD/R04-91/088
Superfund Record of Decision (EPA Region 4): Smith's Farm Site (First Operable Unit), Bullitt County, Brooks, KY. (First Remedial Action), (Amendment), September 1991.
PB92-964006/REB 92-01 PC **A10**/MF **A03**

EPA/ROD/R04-91/082
Superfund Record of Decision (EPA Region 4): Tri-City Industrial Disposal Site, Bullitt County, Brooks, KY. (First Remedial Action), August 1991.
PB92-964004/REB 92-01 PC **A14**/MF **A03**

EPA/ROD/R04-91/086
Superfund Record of Decision (EPA Region 4): USA Anniston Army Depot, (Groundwater Operable Unit), Calhoun County, Anniston, AL. (First Remedial Action), September 1991.
PB92-964010/REB 92-01 PC **A03**/MF **A01**

EPA/ROD/R04-91/085
Superfund Record of Decision (EPA Region 4): USAF Robins Air Force Base, Warner Robins, Houston County, GA. (First Remedial Action), June 1991.
PB92-964002/REB 92-01 PC **A04**/MF **A01**

EPA/ROD/R04-91/101
Superfund Record of Decision (EPA Region 4): Velsicol Chemical, (First Operable Unit), Toone, TN. (First Remedial Action), June 1991.
PB92-964020/REB 92-04 PC **A04**/MF **A01**

EPA/ROD/R04-91/087
Superfund Record of Decision (EPA Region 4): Wrigley Charcoal Site, Hickman County, Wrigley, TN. (First Remedial Action), September 1991.
PB92-964011/REB 92-01 PC **A08**/MF **A02**

EPA/ROD/R05-91/168
Superfund Record of Decision (EPA Region 5): Acme Solvent Reclaiming, Winnebago County, IL. (Second Remedial Action), December 1990.
PB92-964101/REB 92-01 PC **A05**/MF **A02**

EPA/ROD/R05-91/151
Superfund Record of Decision (EPA Region 5): Allied Chemical and Ironton Coke, Ironton, OH. (Second Remedial Action), December 1990.
PB92-964115/REB 92-01 PC **A06**/MF **A02**

EPA/ROD/R05-91/177
Superfund Record of Decision (EPA Region 5): Anderson Development Company Site, Lenawee County, Adrian, MI. (First Remedial Action), (Amendment), September 1991.
PB92-964114/REB 92-01 PC **A03**/MF **A01**

EPA/ROD/R05-91/182
Superfund Record of Decision (EPA Region 5): Berlin and Farro Site, Swartz Creek, MI. (First Remedial Action), September 1991.
PB92-964132/REB 92-04 PC **A04**/MF **A01**

EPA/ROD/R05-91/184
Superfund Record of Decision (EPA Region 5): Better Brite Plating Chrome and Zinc, De Pere, WI. (First Remedial Action), June 1991.
PB92-964139/REB 92-04 PC **A03**/MF **A01**

EPA/ROD/R05-91/167
Superfund Record of Decision (EPA Region 5): Buckeye Reclamation Landfill Site, Belmont County, OH. (First Remedial Action), August 1991.
PB92-964123/REB 92-04 PC **A06**/MF **A02**

EPA/ROD/R05-91/169
Superfund Record of Decision (EPA Region 5): Carter Industrials Site, Detroit, MI. (First Remedial Action), September 1991.
PB92-964126/REB 92-04 PC **A08**/MF **A02**

EPA/ROD/R05-91/179
Superfund Record of Decision (EPA Region 5): Chem-Central Site, Wyoming, MI. (First Remedial Action), September 1991.
PB92-964138/REB 92-04 PC **A04**/MF **A01**

EPA/ROD-R05-91/159
Superfund Record of Decision (EPA Region 5): Conrail Railyard, Elkhart County, IN. (First Remedial Action), June 1991.
PB92-964109/REB 92-01 PC **A04**/MF **A01**

EPA/ROD/R05-91/189
Superfund Record of Decision (EPA Region 5): Dakhue Sanitary Landfill, Hampton Township, Dakota County, MN. (First Remedial Action), June 1991.
PB92-964137/REB 92-04 PC **A03**/MF **A01**

EPA/ROD/R05-91/161
Superfund Record of Decision (EPA Region 5): Enviro-Chem (Northside Sanitary Landfill), Zionsville, IN. (First Remedial Action), (Amendment), June 1991.
PB92-964116/REB 92-01 PC **A03**/MF **A01**

EPA/ROD/R05-91/164
Superfund Record of Decision (EPA Region 5): Fadrowski Drum Disposal Site, Franklin, WI. (First Remedial Action), June 1991.
PB92-964111/REB 92-01 PC **A05**/MF **A01**

EPA/ROD/R05-91/158
Superfund Record of Decision (EPA Region 5): Folkertsma Refuse Site, Walker, MI. (First Remedial Action), June 1991.
PB92-964108/REB 92-01 PC **A05**/MF **A01**

EPA/ROD/R05-91/183
Superfund Record of Decision (EPA Region 5): Fultz Landfill, Byesville, OH. (First Remedial Action), September 1991.
PB92-964131/REB 92-04 PC **A06**/MF **A02**

EPA/ROD/R05-91/152
Superfund Record of Decision (EPA Region 5): G and H Industrial Landfill Site, Macomb County, MI. (First Remedial Action), December 1990.
PB92-964106/REB 92-01 PC **A06**/MF **A02**

EPA/ROD/R05-91/155
Superfund Record of Decision (EPA Region 5): Kentwood Landfill, Kentwood, MI. (First Remedial Action), March 1991.
PB92-964140/REB 92-04 PC **A04**/MF **A01**

EPA/ROD/R05-91/186
Superfund Record of Decision (EPA Region 5): Lemberger Landfill Site, Manitowoc County, WI. (First Remedial Action), September 1991.
PB92-964133/REB 92-04 PC **A05**/MF **A01**

EPA/ROD/R05-91/187
Superfund Record of Decision (EPA Region 5): Lemberger Transport and Recycling, Manitowoc County, WI. (First Remedial Action), September 1991.
PB92-964124/REB 92-04 PC **A05**/MF **A01**

EPA/ROD/R05-91/170
Superfund Record of Decision (EPA Region 5): MacGillis and Gibbs/Bell Lumber and Pole Co., New Brighton, MN. (First Remedial Action), September 1991.
PB92-964121/REB 92-01 PC **A03**/MF **A01**

EPA/ROD/R05-91/156
Superfund Record of Decision (EPA Region 5): Main Street Well Field, Elkhart, IN. (Second Remedial Action), March 1991.
PB92-964107/REB 92-01 PC **A05**/MF **A01**

EPA/ROD/R05-91/171
Superfund Record of Decision (EPA Region 5): Michigan Disposal Service (Cork Street) Landfill, Kalamazoo, MI. (First Remedial Action), September 1991.
PB92-964134/REB 92-04 PC **A06**/MF **A02**

EPA/ROD/R05-91/172
Superfund Record of Decision (EPA Region 5): Motor Wheel Disposal Site, Lansing, MI. (First Remedial Action), September 1991.
PB92-964112/REB 92-01 PC **A04**/MF **A01**

EPA/ROD/R05-91/180
Superfund Record of Decision (EPA Region 5): National Presto Industries, Eau Claire, WI. (Second Remedial Action), September 1991.
PB92-964129/REB 92-04 PC **A04**/MF **A01**

EPA/ROD/R05-91/162
Superfund Record of Decision (EPA Region 5): Northside Sanitary Landfill (Enviro-Chem), Zionsville, IN. (First Remedial Action), (Amendment), June 1991.
PB92-964117/REB 92-01 PC **A03**/MF **A01**

EPA/ROD/R05-91/188
Superfund Record of Decision (EPA Region 5): Novaco Industries, MI. (First Remedial Action), (Amendment), September 1991.
PB92-964104/REB 92-01 PC **A03**/MF **A01**

EPA/ROD/R05-91/153
Superfund Record of Decision (EPA Region 5): Oak Grove Sanitary Landfill, Anoka County, MN. (Second Remedial Action), December 1990.
PB92-964102/REB 92-01 PC **A04**/MF **A01**

EPA/ROD/R05-91/173
Superfund Record of Decision (EPA Region 5): Organic Chemicals, Grandville, MI. (First Remedial Action), September 1991.
PB92-964103/REB 92-01 PC **A04**/MF **A01**

EPA/ROD/R05-91/185
Superfund Record of Decision (EPA Region 5): Ossineke Groundwater Contamination Site, Alpena County, Ossineke, MI. (First Remedial Action), June 1991.
PB92-964127/REB 92-04 PC **A03**/MF **A01**

EPA/ROD/R05-91/165
Superfund Record of Decision (EPA Region 5): Pagel's Pit Site, Winnebago County, IL. (First Remedial Action), June 1991.
PB92-964120/REB 92-01 PC **A04**/MF **A01**

EPA/ROD/R05-91/178
Superfund Record of Decision (EPA Region 5): Pine Bend Sanitary Landfill, Dakota County, City of Inver Grove Heights, MN. (First Remedial Action), September 1991.
PB92-964119/REB 92-01 PC **A03**/MF **A01**

EPA/ROD/R05-91/157
Superfund Record of Decision (EPA Region 5): Rasmussen's Dump Site, Green Oak Township, Livingston County, MI. (First Remedial Action), March 1991.
PB92-964105/REB 92-01 PC **A09**/MF **A02**

EPA/ROD/R05-91/166
Superfund Record of Decision (EPA Region 5): South Macomb Disposal No. 9 and 9A, Macomb County, MI. (First Remedial Action), August 1991.
PB92-964130/REB 92-04 PC **A05**/MF **A01**

EPA/ROD/R05-91/190
Superfund Record of Decision (EPA Region 5): Southeast Rockford Groundwater Contamination, Rockford, IL. (First Remedial Action), June 1991.
PB92-964141/REB 92-04 PC **A03**/MF **A01**

EPA/ROD/R05-91/181
Superfund Record of Decision (EPA Region 5): Stoughton City Landfill Site, Stoughton, WI. (First Remedial Action), September 1991.
PB92-964128/REB 92-04 PC **A04**/MF **A01**

EPA/ROD/R05-91/175
Superfund Record of Decision (EPA Region 5): Sturgis Municipal Wells, Sturgis, MI. (First Remedial Action), September 1991.
PB92-964136/REB 92-04 PC **A08**/MF **A02**

EPA/ROD/R05-91/154
Superfund Record of Decision (EPA Region 5): Summit National Liquid Disposal Service, Deerfield, OH. (First Remedial Action), (Amendment), November 1990.
PB92-964118/REB 92-01 PC **A03**/MF **A01**

EPA/ROD/R05-91/174
Superfund Record of Decision (EPA Region 5): Thermo Chem Site, (Operable Unit 1), Muskegon County, MI. (First Remedial Action), September 1991.
PB92-964135/REB 92-04 PC **A05**/MF **A01**

EPA/ROD/R05-90/163
Superfund Record of Decision (EPA Region 5): U.S. DOI Sangamo/Crab Orchard National Wildlife Refuge, Carterville, IL. (First Remedial Action), March 1990.
PB92-964125/REB 92-04 PC **A05**/MF **A02**

EPA/ROD/R05-91/160
Superfund Record of Decision (EPA Region 5): Verona Well Field Site, Battle Creek, MI. (Second Remedial Action), June 1991.
PB92-964110/REB 92-01 PC **A08**/MF **A02**

EPA/ROD/R05-91/191
Superfund Record of Decision (EPA Region 5): Washington County Landfill, Lake Elmo, MN. (Second Remedial Action), November 1990.
PB92-964113/REB 92-01 PC **A05**/MF **A01**

EPA/ROD/R05-91/176
Superfund Record of Decision (EPA Region 5): Zanesville Well Field Site, Zanesville, OH. (First Remedial Action), September 1991.
PB92-964122/REB 92-01 PC **A04**/MF **A01**

EPA/ROD/R06-91/067
Superfund Record of Decision (EPA Region 6): Cimarron Mining Site, Operable Unit 2, Carrizozo, NM. (Second Remedial Action), September 1991.
PB92-964201/REB 92-01 PC **A06**/MF **A02**

EPA/ROD/R06-91/066
Superfund Record of Decision (EPA Region 6): Petro-Chemical (Turtle Bayou), Liberty County, TX. (Second Remedial Action), September 1991.
PB92-964202/REB 92-01 PC **A07**/MF **A02**

EPA/ROD/R07-91/046
Superfund Record of Decision (EPA Region 7): E.I. Dupont De Nemours (County Road X23), Lee County, West Point, IA. (First Remedial Action), May 1991.
PB92-964306/REB 92-01 PC **A04**/MF **A01**

EPA/ROD/R07-91/056
Superfund Record of Decision (EPA Region 7): Ellisville Area Site, St. Louis County, Ellisville, MO. (First Remedial Action), (Amendment), September 1991.
PB92-964302/REB 92-01 PC **A03**/MF **A01**

EPA/ROD/R07-91/047
Superfund Record of Decision (EPA Region 7): Ellisville Area Site, St. Louis County, Ellisville, MO. (Second Remedial Action), September 1991.
PB92-964312/REB 92-04 PC **A03**/MF **A01**

EPA/ROD/R07-91/048
Superfund Record of Decision (EPA Region 7): Hastings Ground Water Contamination (Operable Unit 1), Hastings, NE. (Second Remedial Action), September 1991.
PB92-964304/REB 92-04 PC **A03**/MF **A01**

EPA/ROD/R07-91/049
Superfund Record of Decision (EPA Region 7): Hastings Groundwater Contamination (Operable Unit 10), Hastings, NE. (Seventh Remedial Action), September 1991.
PB92-964303/REB 92-01 PC **A03**/MF **A01**

EPA/ROD/R07-91/053
Superfund Record of Decision (EPA Region 7): John Deere (Ottumwa Works Landfill), Ottumwa, IA. (First Remedial Action), September 1991.
PB92-964308/REB 92-04 PC **A05**/MF **A01**

EPA/ROD/R07-91/054
Superfund Record of Decision (EPA Region 7): Kem-Pest Laboratories Site, Cape Girardeau County, MO. (Second Remedial Action), December 1990.
PB92-964305/REB 92-01 PC **A04**/MF **A01**

EPA/ROD/R07-91/045
Superfund Record of Decision (EPA Region 7): Lee Chemical Site, Liberty, MO. (First Remedial Action), March 1991.
PB92-964307/REB 92-01 PC **A04**/MF **A01**

EPA/ROD/R07-91/050
Superfund Record of Decision (EPA Region 7): Lehigh Portland Cement Company, Mason City, IA. (First Remedial Action), June 1991.
PB92-964311/REB 92-04 PC **A04**/MF **A01**

EPA/ROD/R07-91/055
Superfund Record of Decision (EPA Region 7): Mid-America Tanning Site, Sergeant Bluff, IA. (First Remedial Action), September 1991.
PB92-964310/REB 92-04 PC **A07**/MF **A02**

EPA/ROD/R07-91/052
Superfund Record of Decision (EPA Region 7): People's Natural Gas Coal Gasification Site, Dubuque, IA. (First Remedial Action), September 1991.
PB92-964301/REB 92-01 PC **A05**/MF **A01**

EPA/ROD/R07-91/051
Superfund Record of Decision (EPA Region 7): Shaw Avenue Dump Site, Charles City, Floyd County, IA. (First Remedial Action), September 1991.
PB92-964309/REB 92-04 PC **A03**/MF **A01**

EPA/ROD/R08-91/053
Superfund Record of Decision (EPA Region 8): Anaconda Smelter Site, (Operable Unit 11 - Flue Dust), Deer Lodge County, Anaconda, MT. (Second Remedial Action), September 1991.
PB92-964404/REB 92-04 PC **A10**/MF **A03**

EPA/ROD/R08-91/052
Superfund Record of Decision (EPA Region 8): Broderick Wood Products, Adams County, CO. (First Remedial Action), (Amendment), September 1991.
PB92-964402/REB 92-01 PC **A04**/MF **A01**

EPA/ROD/R08-91/055
Superfund Record of Decision (EPA Region 8): Central City-Clear Creek Site, (Operable Unit 3), Clear Creek and Gilpin Counties, CO. (Third Remedial Action), September 1991.
PB92-964406/REB 92-04 PC **A06**/MF **A02**

EPA/ROD/R08-91/045
Superfund Record of Decision (EPA Region 8): Chemical Sales (New Location) (Operable Unit 1), Denver, CO. (First Remedial Action), June 1991.
PB92-964409/REB 92-04 PC **A09**/MF **A02**

EPA/ROD/R08-91/047
Superfund Record of Decision (EPA Region 8): Chemical Sales, (New Location), (Operable Unit 3), Adams County, CO. (Third Remedial Action), June 1991.
PB92-964410/REB 92-04 PC **A09**/MF **A02**

EPA/ROD/R08-91/046
Superfund Record of Decision (EPA Region 8): Chemical Sales Site, (New Location), (Operable Unit 2), Adams County, CO. (Second Remedial Action), June 1991.
PB92-964408/REB 92-04 PC **A09**/MF **A03**

EPA/ROD/R08-91/049
Superfund Record of Decision (EPA Region 8): Hill Air Force Base, Operable Unit 2, Chemical Disposal Pit 3, Site WP07, Davis and Weber Counties, UT. (First Remedial Action), September 1991.
PB92-964401/REB 92-01 PC **A03**/MF **A01**

EPA/ROD/R08-91/050
Superfund Record of Decision (EPA Region 8): Rocky Mountain Arsenal (Operable Unit 21), CO. (Ninth Remedial Action), June 1991.
PB92-964405/REB 92-04 PC **A04**/MF **A01**

EPA/ROD/R08-91/051
Superfund Record of Decision (EPA Region 8): Rocky Mountain Arsenal (Operable Unit 26), CO. (Tenth Remedial Action), September 1991.
PB92-964403/REB 92-04 PC **A09**/MF **A02**

EPA/ROD/R08-91/048
Superfund Record of Decision (EPA Region 8): Wasatch Chemical Site (Lot 6), Salt Lake City, UT. (First Remedial Action), March 1991.
PB92-964407/REB 92-04 PC **A06**/MF **A02**

EPA/ROD/R09-91/073
Superfund Record of Decision (EPA Region 9): Advanced Micro Devices 901, (Signetics), (TRW Microwave), Sunnyvale, CA. (First Remedial Action), September 1991.
PB92-964504/REB 92-04 PC **A06**/MF **A02**

EPA/ROD/R09-91/066
Superfund Record of Decision (EPA Region 9): Advanced Micro Devices 915, Sunnyvale, CA. (First Remedial Action), August 1991.
PB92-964520/REB 92-04 PC **A04**/MF **A01**

EPA/ROD/R09-91/056
Superfund Record of Decision (EPA Region 9): Atlas Asbestos Mine, Fresno County, CA. (Second Remedial Action), February 1991.
PB92-964510/REB 92-01 PC **A07**/MF **A02**

EPA/ROD/R09-91/067
Superfund Record of Decision (EPA Region 9): Castle Air Force Base, Merced County, CA. (First Remedial Action), August 1991.
PB92-964508/REB 92-01 PC **A04**/MF **A01**

EPA/ROD/R09-91/057
Superfund Record of Decision (EPA Region 9): CTS Printex Corporation, Mountain View, CA. (First Remedial Action), June 1991.
PB92-964516/REB 92-04 PC **A04**/MF **A01**

EPA/ROD/R09-91/060
Superfund Record of Decision (EPA Region 9): FMC (Fresno Plant), Fresno, CA. (First Remedial Action), June 1991.
PB92-964512/REB 92-04 PC **A06**/MF **A02**

EPA/ROD/R09-91/065
Superfund Record of Decision (EPA Region 9): Indian Bend Wash Area (Operable Units 1, 4, 5, 6), AZ. (Second Remedial Action), September 1991.
PB92-964509/REB 92-01 PC **A06**/MF **A02**

EPA/ROD/R09-91/064
Superfund Record of Decision (EPA Region 9): Mesa Area Ground Water Contamination, Mesa, AZ. (First Remedial Action), September 1991.
PB92-964514/REB 92-04 PC **A03**/MF **A01**

EPA/ROD/R09-91/072
Superfund Record of Decision (EPA Region 9): Micro Storage/Intel Magnetics, Santa Clara, CA. (First Remedial Action), August 1991.
PB92-964511/REB 92-04 PC **A04**/MF **A01**

EPA/ROD/R09-91/070
Superfund Record of Decision (EPA Region 9): Monolithic Memories (Advanced Micro Devices - Arques) (National Semiconductor), CA. (First Remedial Action), September 1991.
PB92-964503/REB 92-01 PC **A04**/MF **A01**

EPA/ROD/R09-91/071
Superfund Record of Decision (EPA Region 9): National Semiconductor (Monolithic Memories), CA. (First Remedial Action), September 1991.
PB92-964502/REB 92-01 PC **A04**/MF **A01**

EPA/ROD/R09-91/074
Superfund Record of Decision (EPA Region 9): Signetics (Advanced Micro Devices 901) (TRW Microwave), Sunnyvale, CA. (First Remedial Action), September 1991.
PB92-964507/REB 92-01 PC **A06**/MF **A02**

EPA/ROD/R09-91/068
Superfund Record of Decision (EPA Region 9): Sola Optical USA, Inc., Petaluma, CA. (First Remedial Action), September 1991.
PB92-964515/REB 92-04 PC **A03**/MF **A01**

EPA/ROD/R09-91/061
Superfund Record of Decision (EPA Region 9): South Bay Asbestos Area, San Jose, CA. (First Remedial Action), (Amendment), June 1991.
PB92-964501/REB 92-01 PC **A03**/MF **A01**

EPA/ROD/R09-91/075
Superfund Record of Decision (EPA Region 9): Spectra-Physics, (Teledyne Semiconductor), Mountain View, CA. (First Remedial Action), March 1991.
PB92-964519/REB 92-04 PC **A04**/MF **A01**

EPA/ROD/R09-91/059
Superfund Record of Decision (EPA Region 9): Synertek (Building No. 1), Santa Clara, CA. (First Remedial Action), June 1991.
PB92-964513/REB 92-04 PC **A07**/MF **A02**

EPA/ROD/R09-91/058
Superfund Record of Decision (EPA Region 9): Teledyne Semiconductor (Spectra Physics), Mountain View, CA. (First Remedial Action), March 1991.
PB92-964505/REB 92-01 PC **A05**/MF **A01**

EPA/ROD/R09-91/076
Superfund Record of Decision (EPA Region 9): TRW Microwave, (Advanced Micro Devices 901), (Signetics), Sunnyvale, CA. (First Remedial Action), September 1991.
PB92-964518/REB 92-04 PC **A06**/MF **A02**

EPA/ROD/R09-91/062
Superfund Record of Decision (EPA Region 9): Valley Wood Preserving Site, Turlock, CA. (First Remedial Action), September 1991.
PB92-964517/REB 92-04 PC **A07**/MF **A02**

EPA/ROD/R09-91/063
Superfund Record of Decision (EPA Region 9): Van Waters and Rogers, San Jose, CA. (First Remedial Action), September 1991.
PB92-964506/REB 92-01 PC **A04**/MF **A01**

EPA/ROD/R10-91/032
Superfund Record of Decision (EPA Region 10): American Lake Gardens (McChord AFB - Area D), Pierce County, WA. (First Remedial Action), September 1991.
PB92-964605/REB 92-04 PC **A05**/MF **A02**

EPA/ROD/R10-91/033
Superfund Record of Decision (EPA Region 10): Bangor Naval Submarine Base, Site F (Operable Unit 2), Bangor, WA. (First Remedial Action), September 1991.
PB92-964603/REB 92-01 PC **A03**/MF **A01**

EPA/ROD/R10-91/028
Superfund Record of Decision (EPA Region 10): Bunker Hill Mining and Metallurgical Complex, Shoshone County, ID. (First Remedial Action), August 1991.
PB92-964601/REB 92-01 PC **A07**/MF **A02**

EPA/ROD/R10-91/027
Superfund Record of Decision (EPA Region 10): Commencement Bay-Nearshore/Tideflats (Operable Unit 7), Tacoma, WA. (Third Remedial Action), December 1990.
PB92-964604/REB 92-01 PC **A17**/MF **A04**

EPA/ROD/R10-91/031
Superfund Record of Decision (EPA Region 10): Northwest Transformer-Mission Pole, Whatcom County, WA. (First Remedial Action), (Amendment), September 1991.
PB92-964602/REB 92-01 PC **A03**/MF **A01**

EPA/ROD/R10-91/029
Superfund Record of Decision (EPA Region 10): Union Pacific Railroad Yard, Bannock County, Pocatello, ID. (First Remedial Action), September 1991.
PB92-964606/REB 92-04 PC **A08**/MF **A02**

EPA/ROD/R10-91/030
Superfund Record of Decision (EPA Region 10): Yakima Plating Facility, Yakima, WA. (First Remedial Action), September 1991.
PB92-964607/REB 92-04 PC **A05**/MF **A01**

EPA/ROD/R02-91/151
Superfund Record of Decision: Roebling Steel Company, Florence Township, Burlington County, NJ. (Second Remedial Action), September 1991.
PB92-963814/REB 92-04 PC **A04**/MF **A01**

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PB92-963409/REB 92-04 PC **A03**/MF **A01**

Superfund: Removals and Emergency Response.
PB92-963400/REB 92-01 Standing Order

EPA/9200.5-07A
Superfund: Reporting on Cleanup Activities through Environmental Indicators. FY 1991 Update.
PB92-963255/REB 92-01 PC **A03**/MF **A01**

Superfund: Site Assessment and Remediation.
PB92-963300/REB 92-01 Standing Order

Superfund: Technology and Analytical Services.
PB92-963500/REB 92-01 Standing Order

Supplemental Guidance to RAGS: Calculating the Concentration Term. Volume 1, Number 1, May 1992.
PB92-963373/REB 92-04 PC **A02**/MF **A01**

Technical Assistance Team (TAT) Contracts Users' Manual.
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EPA/540/8-91/091
Technical Support Services for Superfund Site Remediation and RCRA Corrective Action. Third Edition.
PB92-205657/REB 92-04 PC **A04**/MF **A01**

Understanding Superfund Risk Assessment.
PB92-963372/REB 92-04 PC **A02**/MF **A01**

Update No. 2 to 'Procedures for Completion and Deletion of NPL Sites'.
PB92-963344/REB 92-01 PC **A01**/MF **A01**

Update on Implementation of the Oil Pollution Act of 1990. Volume 1, Number 4, September 1991.
PB91-921374/REB 92-01 PC **A02**/MF **A01**

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EPA/600/R-92/043
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Modeling of Nonpoint Source Water Quality in Urban and Non-urban Areas.
PB92-109115/REB 92-01 PC **A05**/MF **A01**

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Quantitative Assessment of the Effects of Metals on Microbial Degradation of Organic Chemicals.
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Reduction of Nitrobenzene by Four Sulfide Minerals: Kinetics, Products, and Solubility.
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Reductive Transformations of Halogenated Aromatic Hydrocarbons in Anaerobic Water-Sediment Systems: Kinetics, Mechanisms and Products.
PB92-166818/REB 92-01 PC **A03**/MF **A01**

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EPA/600/J-92/277
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PB92-217181/REB 92-04 PC **A03**/MF **A01**

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PB92-188861/REB 92-01 PC **A03**/MF **A01**

EPA/600/A-92/027
Sunlight-Induced Oxidation and Reduction of Organic Xenobiotics in Water, 1992.
PB92-150499/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/244
System for Control of River Water Quality for the Community of Madrid Using QUAL2E.
PB92-206218/REB 92-04 PC **A02**/MF **A01**

EPA/823/R-92/002
Technical Guidance Manual for Performing Waste Load Allocations. Book 3: Estuaries. Part 1: Estuaries and Waste Load Allocation Models.
PB92-231729/REB 92-04 PC **A05**/MF **A01**

EPA/823/R-92/003
Technical Guidance Manual for Performing Waste Load Allocations. Book 3: Estuaries. Part 2: Application of Estuarine Waste Load Allocation Models.
PB92-231737/REB 92-04 PC **A06**/MF **A02**

Technical Guidance Manual for Performing Waste Load Allocations. Book 3: Estuaries. Part 4: Critical Review of Estuarine WLA Modeling.
PB92-231752/REB 92-04 PC **A04**/MF **A01**

EPA/600/J-92/243
Temperature and Conductivity Modeling for the Buffalo River.
PB92-206226/REB 92-04 PC **A03**/MF **A01**

EPA/600/A-92/089
Toxicity of Ammonia, Nitrite, and Nitrate to Fishes.
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EPA/600/3-91/067
Assessment of Promising Forest Management Practices and Technologies for Enhancing the Conservation and Sequestration of Atmospheric Carbon and Their Costs at the Site Level.
PB92-122787/REB 92-01 PC **A08**/MF **A02**

EPA/600/J-92/329
Biological Diversity and Biological Integrity: Current Concerns for Lakes and Streams.
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EPA/600/J-91/260
Can Intensive Management Increase Carbon Storage in Forests.
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Climate Change and Isoprene Emissions from Vegetation.
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EPA/600/J-92/326
Climate Change in Thailand and Its Potential Impact on Rice Yield.
PB92-232883/REB 92-04 PC **A03**/MF **A01**

EPA/600/A-92/110
Clinical Biochemistry.
PB92-188762/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/173
Cloning and Expression of a Lignin Peroxidase Gene from 'Streptomyces viridosporus' in 'Streptomyces lividans'.
PB92-180389/REB 92-01 PC **A03**/MF **A01**

EPA/600/3-91/072
Data User's Guide to the United States Environmental Protection Agency's Long-Term Monitoring Project: Quality Assurance Plan and Data Dictionary.
PB92-239573/REB 92-04 PC **A06**/MF **A02**

EPA/600/A-92/038
Design Issues for Evaluating Seedling Exposure Studies.
PB92-153014/REB 92-01 PC **A02**/MF **A01**

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Direct/Delayed Response Project: Future Effects of Long-Term Sulfur Deposition on Stream Chemistry in the Mid-Appalachian Region of the Eastern United States.
PB92-232370/REB 92-04 PC **A18**/MF **A04**

EPA/600/J-92/032
Diurnal Water Relations of Walnut Trees: Implications for Remote Sensing.
PB92-144047/REB 92-01 PC **A03**/MF **A01**

Drinking Water Health Advisory for Malathion.
PB92-135482/REB 92-01 PC **A03**/MF **A01**

EPA/600/9-91/039
Ecological Indicators. Proceedings of an International Symposium. Held in Fort Lauderdale, Florida on October 16-19, 1990.
PB92-114131/REB 92-01 PC **A99**/MF **E99**

EPA/600/J-92/095
Ecological Regions versus Hydrologic Units: Frameworks for Managing Water Quality.
PB92-153873/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-92/291
Effects of Aqueous and Dietary Exposure of Dieldrin on Survival, Growth and Bioconcentration in Mallard Ducklings.
PB92-217413/REB 92-04 PC **A03**/MF **A01**

EPA/600/J-92/290
Effects of El Nino and La Nina on Seabird Assemblages in the Equatorial Pacific.
PB92-217405/REB 92-04 PC **A03**/MF **A01**

EPA/600/R-92/020
Effects of Glean, a Sulfonylurea Herbicide, on the Reproductive Biology and Fruit Set in Cherry Trees. Progress Report to Region 10.
PB92-142652/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/177
Effects of Low Dissolved Oxygen on Survival, Growth and Reproduction of 'Daphnia', 'Hyalella' and 'Gammarus'.
PB92-188846/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-92/170
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PB92-180355/REB 92-01 PC **A02**/MF **A01**

EPA/600/A-92/001
Effects of Ozone on Crops.
PB92-136845/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/289
Effects of Section 404 Permitting on Freshwater Wetlands in Louisiana, Alabama, and Mississippi.
PB92-217439/REB 92-04 PC **A03**/MF **A01**

EPA/600/3-91/053
Environmental Monitoring and Assessment Program (EMAP) Design Report.
PB92-103449/REB 92-01 PC **A04**/MF **A01**

EPA/600/A-92/039
Equilibrium-Analysis of Projected Climate Change Effects on the Global Soil Organic Matter Pool.
PB92-153022/REB 92-01 PC **A03**/MF **A01**

EPA/600/3-91/062
Estimating Critical Loads of Sulfate to Surface Waters in the Northeastern United States: A Comparative Assessment of Three Procedures for Estimating Critical Loads of Sulfate for Lakes.
PB92-119015/REB 92-01 PC **A03**/MF **A01**

EPA/600/3-91/058
Evaluating Created Wetlands through Comparisons with Natural Wetlands.
PB92-111566/REB 92-01 PC **A03**/MF **A01**

EPA/600/3-91/068
Evaluating Design and Verifying Compliance of Created Wetlands in the Vicinity of Tampa, Florida.
PB92-116045/REB 92-01 PC **A06**/MF **A02**

EPA/600/3-91/055
Evaluating the Utility of Natural Vegetation in Assessing Arctic Accumulation of Air Toxics.
PB92-103464/REB 92-01 PC **A08**/MF **A02**

EPA/600/J-92/082
Evaluation of Wetland Development and Waterbird Response at Elk Creek Wildlife Management Area, Lake Mills, Iowa, 1961 to 1990.
PB92-153386/REB 92-01 PC **A03**/MF **A01**

EPA/600/3-91/059
Final Quality Assurance Report for the Tampa, Florida Wetlands Study.
PB92-113000/REB 92-01 PC **A09**/MF **A03**

EPA/600/J-91/259
Foliar Injury Symptoms and Pigment Concentrations in Red Spruce Saplings in the Southern Appalachians.
PB92-113216/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-91/229
Forest Soil Response to Acid and Salt Additions of Sulfate. 1. Sulfur Constituents and Net Retention.
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EPA/600/J-92/039
Forest Soil Response to Acid and Salt Additions of Sulfate: 2. Aluminum and Base Cations.
PB92-150549/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/041
Forest Soil Response to Acid and Salt Additions of Sulfate: 3. Solubilization and Composition of Dissolved Organic Carbon.
PB92-150564/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/168
Formation of Transconjugants on Plating Media Following 'In situ' Conjugation Experiments.
PB92-180330/REB 92-01 PC **A02**/MF **A01**

EPA/600/A-92/037
Global Assessment of Promising Forest Management Practices for Sequestration of Carbon.
PB92-153006/REB 92-01 PC **A03**/MF **A01**

EPA/600/A-92/048
Global Carbon Cycle and Climate Change.
PB92-153741/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-91/278
Global Carbon Cycle and Climate Change: Responses and Feedbacks from Below-Ground Systems.
PB92-121359/REB 92-01 PC **A03**/MF **A01**

EPA/600/8-91/216
Global Ecosystems Database. Version 0.1 (Beta-test). EPA Global Climate Research Program. NOAA/NGDC Global Change Database Program. Prototype 1. Database Documentation. NGDC Key to Geophysical Records Documentation No. 25.
PB92-122803/REB 92-01 PC **A16**/MF **A03**

EPA/600/J-92/287
Hierarchical Stochastic Model of Large-Scale Atmospheric Circulation Patterns and Multiple Station Daily Precipitation.
PB92-217421/REB 92-04 PC **A03**

EPA/600/J-92/172
How Much Acidification Has Occurred in Adirondack Region Lakes (New York, USA) since Preindustrial Times.
PB92-180371/REB 92-01 PC **A03**/MF **A01**

EPA/600/3-91/056
Impact of Conservation Tillage Use on Soil and Atmospheric Carbon in the Contiguous United States.
PB92-113448/REB 92-01 PC **A03**/MF **A01**

EPA/600/A-92/109
Impacts of Climate Change on Rice Yield: Evaluation of the Efficacity of Different Modeling Approaches.
PB92-188754/REB 92-01 PC **A04**/MF **A01**

EPA/600/A-92/107
Improvement of Performance of Variable Probability Sampling Strategies.
PB92-180264/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-90/545
Indicators for Monitoring Biodiversity: A Hierarchical Approach.
PB92-108117/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/042
Inferences about Solute Transport in Macroporous Forest Soils from Time Series Models.
PB92-150572/REB 92-01 PC **A03**/MF **A01**

EPA/600/R-92/015
Integrating Sustainable Agriculture, Ecology, and Environmental Policy. Proceedings of a Workshop. Held in Arlington, Virginia, on July 22-23, 1991.
PB92-137975/REB 92-01 PC **A11**/MF **A03**

EPA/600/J-92/096
Interlaboratory Study of Cellular Fluorescence Intensity Measurements with Fluorescein-Labeled Microbead Standards.
PB92-153881/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/096
Interlaboratory Study of Cellular Fluorescence Intensity Measurements with Fluorescein-Labeled Microbead Standards.
PB92-153899/REB 92-01 PC **A03**/MF **A01**

EPA/600/R-92/074
Kinetic Properties of Malic Dehydrogenase from Three Cultivars of Rice.
PB92-178995/REB 92-01 PC **A03**/MF **A01**

EPA/600/A-92/018
Kinetics of Chemical Weathering: A Comparison of Laboratory and Field Weathering Rates (Chapter 17).
PB92-143858/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/288
Land-Surface Hydrology Parameterization with Subgrid Variability for General Circulation Models.
PB92-217447/REB 92-04 PC **A03**/MF **A01**

EPA/600/J-92/092
Leaf Photosynthetic and Water Relations Responses for 'Valencia' Orange Trees Exposed to Oxidant Air Pollution.
PB92-153857/REB 92-01 PC **A03**/MF **A01**

EPA/600/A-92/014
MANE: A Multiphase, Aqueous, Non-Steady State, Equilibrium Model for Simulating Soil-Water Interactions.
PB92-143817/REB 92-01 PC **A03**/MF **A01**

EPA/600/8-91/204
Marine Debris Survey Manual.
PB92-103456/REB 92-01 PC **A08**/MF **A02**

EPA/600/A-92/104
Methods of Assessing Responses of Trees, Stands and Ecosystems to Air Pollution (Chapter 7).
PB92-180231/REB 92-01 PC **A04**/MF **A01**

EPA/600/A-92/078
Methods Used in Determination of Cholinesterase Activity.
PB92-179035/REB 92-01 PC **A03**/MF **A01**

EPA/600/A-92/040
Mineral Weathering Rates in Acid-Sensitive Catchments: Extrapolation of Laboratory Experiments to the Field.
PB92-153030/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-91/228
Model of Additive Effects of Mixtures of Narcotic Chemicals.
PB92-108174/REB 92-01 PC **A02**/MF **A01**

EPA/600/A-92/015
Modellierung und Simulation des Verhaltens von Umweltchemikalien in Boeden und Pflanzen (Modeling and Simulation of the Effect of (Environmental) Chemicals in Soil and in Plants).
PB92-143825/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-92/167
Modification of an Index of Biotic Integrity Based on Fish Assemblages to Characterize Rivers of the Seine Basin, France.
PB92-180322/REB 92-01 PC **A03**/MF **A01**

EPA/600/A-92/106
NATO Workshop on the Atmospheric Methane Cycle. Held in Mt. Hood, Oregon on October 6-11, 1991. Working Group Report on Methane Sources and Sinks.
PB92-180256/REB 92-01 PC **A03**/MF **A01**

EPA/SW/DK-92/018
Natural Enemy Risk Assessment (NERISK) (for Microcomputers).
PB92-500446/REB 92-01 CP **D06**

EPA/600/8-91/203
Natural Enemy Risk Assessment (NERISK) User's Manual.
PB92-114990/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-89/552
NERISK: An Expert System to Enhance the Integration of Pesticides with Anthropod Biological Control.
PB92-124254/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-92/081
Nutrient Leaching from Conifer Needles in Relation to Foliar Apoplast Cation Exchange Capacity.
PB92-153378/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-91/227
On-Site Methods for Assessing Chemical Impact on the Soil Environment Using Earthworms: A Case Study at the Baird and McGuire Superfund Site, Holbrook, Massachusetts.
PB92-108166/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/169
Oregon, USA, Ecological Regions and Subregions for Water Quality Management.
PB92-180348/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/031
Ozone Decreases Spring Root Growth and Root Carbohydrate Content in Ponderosa Pine the Year Following Exposure.
PB92-144039/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-91/226
Patch Size of Forest Openings and Arthropod Populations.
PB92-108158/REB 92-01 PC **A03**/MF **A01**

EPA/600/8-91/054
Permit Tracking System (PTS): A User's Manual.
PB92-105659/REB 92-01 PC **A08**/MF **A02**

EPA/SW/DK-92/015
Permit Tracking System (PTS), Version 1.0 (for Microcomputers).
PB92-500347/REB 92-01 CP **D03**

EPA/600/D-91/226
Pesticide Effects on Arthropod Natural Enemies: A Database Summary.
PB92-124163/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/080
Physical and Chemical Control of Released Microorganisms at Field Sites.
PB92-153360/REB 92-01 PC **A02**/MF **A01**

EPA/600/R-92/013
Pilot Study to Compare Created and Natural Wetlands in Western Washington and Evaluate Methods.
PB92-136811/REB 92-01 PC **A04**/MF **A01**

EPA/600/8-91/205
PIRLA DBMS Quick Reference Guide.
PB92-110824/REB 92-01 PC **A08**/MF **A02**

EPA/600/9-91/041
Plant Tier Testing: A Workshop to Evaluate Nontarget Plant Testing in Subdivision J Pesticide Guidelines. Held in Corvallis, Oregon on November 29-December 1, 1990.
PB92-116052/REB 92-01 PC **A12**/MF **A03**

EPA/600/A-92/077
Pollution Impacts at the Stand and Ecosystem Levels.
PB92-179027/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/034
Possible Approaches to Establishing Interlaboratory Comparability of Measurements of Polychlorinated Biphenyls in Human Serum.
PB92-144062/REB 92-01 PC **A02**/MF **A01**

EPA/600/R-92/095
Potential Impacts of Climate Change on Pacific Northwest Forest Vegetation.
PB92-184985/REB 92-01 PC **A03**/MF **A01**

EPA/600/A-92/103
Potential Impacts of Increased Solar UV-B on Global Plant Productivity.
PB92-180223/REB 92-01 PC **A03**/MF **A01**

EPA/600/A-92/016
Preface and Introduction to 'The Response of Western Forests to Air Pollution'.
PB92-143833/REB 92-01 PC **A02**/MF **A01**

EPA/600/A-92/108
Probability Sampling and Population Inference in Monitoring Programs.
PB92-180272/REB 92-01 PC **A03**/MF **A01**

EPA/600/9-91/014
Proceedings of the International Workshop on Large-Scale Reforestation. Held in Corvallis, Oregon on May 9-10, 1990.
PB92-109131/REB 92-01 PC **A08**/MF **A02**

EPA/600/R-92/160
Protocol for Testing the Effects of Fungal Pesticides on Nontarget Beetles Using 'Hippodamia convergens' (Coleoptera: Coccinellidae).
PB92-217488/REB 92-04 PC **A03**/MF **A01**

EPA/600/3-91/060
Quality Assurance Project Plan: Tampa, Florida Wetlands Study.
PB92-122761/REB 92-01 PC **A11**/MF **A03**

EPA/600/J-91/225
Recovery of Bulk DNA from Soil by a Rapid, Small-Scale Extraction Method.
PB92-108141/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-92/013
Regional Patterns and Local Variability of Dry and Occult Deposition Strongly Influence Sulfate Concentrations in Maine Lakes.
PB92-136951/REB 92-01 PC **A02**/MF **A01**

EPA/600/A-92/017
Science Policy Interface (Chapter 12).
PB92-143841/REB 92-01 PC **A03**/MF **A01**

EPA/600/8-91/207
SELCTV System Manual for SELCTV and REFER Databases and the SELCTV Data Management Program.
PB92-113455/REB 92-01 PC **A04**/MF **A01**

EPA/600/J-92/092
Selection of a Base Serum for the Preparation of Quality Control Pools Containing Environment Analytes.
PB92-153840/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/035
Slowing the Increase of Atmospheric Carbon Dioxide: A Biological Approach.
PB92-144070/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-92/040
Soil Response to S and N Treatments in a Northern New England Low Elevation Coniferous Forest.
PB92-150556/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/043
Spodosol Cation Release and Buffering of Acidic Inputs.
PB92-150580/REB 92-01 PC **A02**/MF **A01**

EPA/600/R-92/073
Statistical Issues in Environmental Monitoring and Assessment.
PB92-178987/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/036
Statistical Methodology for Exploring Elevational Differences in Precipitation Chemistry.
PB92-144068/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/033
Stress Interactions and Mycorrhizal Plant Response: Understanding Carbon Allocation Priorities.
PB92-144054/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/083
Sulfate Retention and Cation Leaching of Forest Soils in Response to Acid Additions.
PB92-153394/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/012
Sulfur Dynamics in Mineral Horizons of Two Northern Hardwood Soils. A Column Study with (35)S.
PB92-139955/REB 92-01 PC **A03**/MF **A01**

EPA/600/A-92/041
Sulfur Dynamics of Forest Ecosystems.
PB92-153048/REB 92-01 PC **A04**/MF **A01**

EPA/600/A-72/036
Summary, Projections, and Recommendations. (Chapter 13).
PB92-152990/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/171
Teratogenesis, Toxicity, and Bioconcentration in Frogs Exposed to Dieldrin.
PB92-180363/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/328
Toward a Rule-Based Biome Model (Journal Article).
PB92-232909/REB 92-04 PC **A03**/MF **A01**

EPA/600/D-91/268
Toxicity, Selectivity and Sublethal Effects of Pesticides on Arthropod Natural Enemies: A Data-Base Summary.
PB92-124189/REB 92-01 PC **A03**/MF **A01**

EPA/600/D-91/267
Toxicological Implementations of Remediating Hazardous Wastes.
PB92-124171/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/098
Trends and Patterns in Section 404 Permitting Requiring Compensatory Mitigation in Oregon and Washington, USA.
PB92-153907/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/091
Trends in Catskill Stream Water Quality: Evidence from Historical Data.
PB92-153832/REB 92-01 PC **A03**/MF **A01**

EPA/600/D-91/231
Two Different Approaches for Control and Measurement of Plant Functions in Closed Environmental Chambers.
PB92-108067/REB 92-01 PC **A03**/MF **A01**

EPA/600/R-92/070
User's Guide and Data Dictionary for Kenai Lakes Investigation Project.
PB92-178961/REB 92-01 PC **A03**/MF **A01**

EPA/600/A-92/140
Western Forests and Air Pollution.
PB92-198209/REB 92-04 PC **A22**/MF **A04**

EPA/600/R-92/060
Wetlands Research Plan FY92-96: An Integrated Risk-Based Approach.
PB92-178946/REB 92-01 PC **A07**/MF **A02**

EPA/600/A-92/105
What Is the Potential of Forest Management to Slow the Increase of Atmospheric CO2.
PB92-180249/REB 92-01 PC **A03**/MF **A01**

EPA/600/9-91/042
Workshop Proceedings: The Role of Created and Natural Wetlands in Controlling Nonpoint Source Pollution. Held in Arlington, Virginia on June 10-11, 1991.
PB92-113463/REB 92-01 PC **A13**/MF **A03**

ENVIRONMENTAL RESEARCH LAB - Duluth, MN

EPA/DF/MT-92/019
Aquatic Toxicity Information Retrieval Data Base (ACQUIRE).
PB92-500453/REB 92-01 CP **T02**

EPA/DF/MT-92/020
Aquqtic Toxicity Information on VAX VMS Backup (ACQUIRE for VMS).
PB92-500479/REB 92-01 CP **T02**

EPA/600/A-92/141
ASTER: An Integration of the ACQUIRE Data Base and the QSAR System for Use in Ecological Risk Assessments.
PB92-198217/REB 92-04 PC **A02**/MF **A01**

EPA/SW/DK-92/039
Complex Effluent Toxicity Information System (CETIS) (for Microcomputers).
PB92-501899/REB 92-01 CP **D04**

EPA/600/J-92/050
Contribution of Ammonia, Metals and Nonpolar Organic Compounds to the Toxicity of Sediment Interstitial Water from an Illinois River Tributary.
PB92-150648/REB 92-01 PC **A03**/MF **A01**

EPA/600/3-91/063
Guidelines for Conducting Early Life Stage Toxicity Tests with Japanese Medaka 'Oryzias latipes'.
PB92-137488/REB 92-01 PC **A03**/MF **A01**

EPA/600/3-91/064
Guidelines for Culturing the Japanese Medaka, 'Oryzias latipes'.
PB92-137496/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/293
Hepatic Microsomal N-hydroxylation of Aniline and 4-chloroaniline by Rainbow Trout 'Onchorhyncus mykiss'.
PB92-227354/REB 92-04 PC **A03**/MF **A01**

EPA/600/J-91/326
Mercury Deposition and Sources for the Upper Great Lakes Region.
PB92-120500/REB 92-01 PC **A03**/MF **A01**

EPA/600/A-92/133
Mercury in the St. Louis River, Mississippi River, Crane Lake, and Sand Point Lake: Cycling, Distribution, and Sources. Report to the Legislative Commission on Minnesota Resources.
PB92-195957/REB 92-01 PC **A07**/MF **A02**

EPA/600/6-91/003
Methods for Aquatic Toxicity Identification Evaluations. Phase 1 Toxicity Characterization Procedures. Second Edition.
PB92-100072/REB 92-01 PC **A05**/MF **A01**

EPA/600/J-92/010
Modeling Studies for Planning: The Green Bay Project.
PB92-136944/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-92/268
Osmoregulatory Failure and Death of First-Year Largemouth Bass 'Micropterus salmoides' Exposed to Low pH and Elevated Aluminum, at Low Temperatures in Soft Water.
PB92-205236/REB 92-04 PC **A03**/MF **A01**

EPA/600/J-92/006
Physiologically Based Toxicokinetic Model for the Uptake and Disposition of Waterborne Organic Chemicals in Fish.
PB92-136902/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/045
Predicting the Toxicity of Bulk Sediments to Aquatic Organisms with Aqueous Test Fractions: Pore Water versus Elutriate.
PB92-150606/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-92/286
Prediction of Octanol/Water Partition Coefficient (K sub ow) with Algorithmically Derived Variables.
PB92-217348/REB 92-04 PC **A02**/MF **A01**

EPA/600/J-91/282
Three Case Studies of Lake Temperature and Stratification Response to Warmer Climate.
PB92-121391/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/079
Zooplankton Population Dynamics in Experimentally Toxified Pond Ecosystems.
PB92-153352/REB 92-01 PC **A02**/MF **A01**

ENVIRONMENTAL RESEARCH LAB - Gulf Breeze, FL

EPA/600/J-92/221
Abundant Males in Populations of a Selfing Hermaphrodite Fish, 'Rivulus marmoratus', from Some Belize Cays.
PB92-195783/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-91/329
Acclimation of Aquatic Microbial Communities to Hg(II) and CH3Hg(+) in Polluted Freshwater Ponds.
PB92-129667/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-91/331
Bench-Scale Evaluation of Alternative Biological Treatment Processes for the Remediation of Pentachlorophenol- and Creosote-Contaminated Materials: Slurry-Phase Bioremediation.
PB92-129683/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-91/335
Bench-Scale Evaluation of Alternative Biological Treatment Processes for the Remediation of Pentachlorophenol- and Creosote-Contaminated Materials: Solid-Phase Bioremediation.
PB92-129725/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-91/328
Biodegradation of Creosote and Pentachlorophenol in Contaminated Groundwater: Chemical and Biological Assessment.
PB92-129659/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-91/341
Carcinoma of the Exocrine Pancreas in Medaka.
PB92-129782/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-91/333
Changes in the Physiological Performance and Energy Metabolism of an Estuarine Mysid 'Mysidopsis bahia' Exposed in the Laboratory through a Complete Life Cycle to the Defoliant DEF.
PB92-129709/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/215
Characterization of Stress-Responsive Behavior in 'Pseudomonas aeruginosa' PAO: Isolation of Tn3-lacZYA Fusions with Novel Damage-Inducible (din) Promoters.
PB92-195718/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-90/552
Cloning and Characterization of tfdS, the Repressor-Activator Gene of tfdB, from the 2,4-Dichlorophenoxyacetic Acid Catabolic Plasmid pJP4.
PB92-129634/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-92/209
Comparative Acute Sensitivity of Larval Topsmelt, 'Atherinops affinis', and Inland Silverside, 'Menidia beryllina', to 11 Chemicals.
PB92-195668/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-91/343
Copper Toxicity to Sperm, Embryos and Larvae of Topsmelt 'Atherinops affinis', with Notes on Induced Spawning.
PB92-129808/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/219
Detection of Horizontal Gene Transfer by Natural Transformation in Native and Introduced Species of Bacteria in Marine and Synthetic Sediments.
PB92-195767/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-91/336
Detoxification of Pentachlorophenol and Creosote Contaminated Groundwater by Physical Extraction: Chemical and Biological Assessment.
PB92-129733/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-92/208
Disease Incidence and Potential Mechanisms of Defense for MSX-Resistant and -Susceptible Eastern Oysters Held in Chesapeake Bay.
PB92-195650/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-92/211
Effects of Fenvalerate on the Early Life Stages of Topsmelt ('Atherinops affinis').
PB92-195684/REB 92-04 PC **A02**/MF **A01**

EPA/600/J-90/551
Estimating the Rate of Plasmid Transfer: An End-Point Method.
PB92-129626/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-91/340
Fate of 'Bacillus sphaericus' 2362 Spores Following Ingestion by Nontarget Invertebrates.
PB92-129774/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-91/339
Heterotrophic Bacteria of the Freshwater Neuston and Their Ability to Act as Plasmid Recipients under Nutrient Deprived Conditions.
PB92-129766/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-91/342
Induction of Cytochrome P-450-IA1 in Juvenile Fish by Creosote-Contaminated Sediment.
PB92-129790/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-92/218
Laboratory Spawning of Topsmelt, 'Atherinops affinis', with Notes on Culture and Growth of Larvae.
PB92-195759/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-92/212
Mixed-Species Colonization of Solid Surfaces in Laboratory Biofilms.
PB92-195692/REB 92-01 PC **A03**/MF **A01**

EPA/600/A-92/122
Mosquito Control Pesticides: Adverse Impacts to Freshwater Aquatic and Marine Organisms.
PB92-195890/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-91/337
Mutants of 'Pseudomonas cepacia' G4 Defective in Catabolism of Aromatic Compounds and Trichloroethylene.
PB92-129741/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-91/332
Ovarian Mycosis in the Topsmelt 'Atherinops affinis'.
PB92-129691/REB 92-01 PC **A01**/MF **A01**

EPA/600/J-91/334
Performance Characterization of a Model Bioreactor for the Biodegradation of Trichloroethylene by 'Pseudomonas cepacia' G4.
PB92-129717/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-92/216
Preparation and Regeneration of Protoplasts of 'Colletotrichum gloeosporioides' f. p. 'Aeschynomene'.
PB92-195734/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-91/330
Relationships of Hg(II) Volatilization from a Freshwater Pond to the Abundance of 'mer' Genes in the Gene Pool of the Indigenous Microbial Community.
PB92-129675/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/220
Reproductive Ecology of the Inland Silverside, 'Menidia beryllina', (Pisces: Atherinidae) from Blackwater Bay, Florida.
PB92-195775/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-91/338
Responses of Wetland Plants to Effluents in Water and Sediment.
PB92-129758/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-92/222
Selection of Surrogates for a Genetically Engineered Microorganism with Cellulolytic Capability for Ecological Studies in Streams.
PB92-195791/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-89/553
Specificity of Cellular DNA-Binding Sites of Microbial Populations in a Florida Reservoir.
PB92-129618/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-92/213
Spongiosis Hepatis: Chemical Induction, Pathogenesis, and Possible Neoplastic Fate in a Teleost Fish Model.
PB92-195700/REB 92-01 PC **A03**/MF **A01**

EPA/600/R-92/091
Statistical Approach to Predicting Chronic Toxicity of Chemicals to Fishes from Acute Toxicity Test Data. Data Tape Documentation.
PB92-169655/REB 92-04 PC **A06**/MF **A02**

EPA/600/J-92/210
Synthetic Substrata for Propagation and Testing of Soil and Sediment Organisms.
PB92-195676/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/214
Technique for Screening and Maintaining Smaller Genomic Libraries.
PB92-195726/REB 92-04 PC **A02**/MF **A01**

EPA/600/A-92/121
Use of Marsh Plants for Toxicity Testing of Water and Sediment.
PB92-195882/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/207
Water Quality Model for a River Receiving Paper Mill Effluents and Conventional Sewage.
PB92-195643/REB 92-01 PC **A03**/MF **A01**

EPA/600/R-92/066
Workshop: Application of Microcosms for Assessing the Risk of Microbial Biotechnology Products. Held in Hunt Valley, Maryland on May 19, 1992.
PB92-216951/REB 92-04 PC **A07**/MF **A02**

ENVIRONMENTAL RESEARCH LAB - Narragansett, RI

EPA/600/J-91/291
Acid-Volatile Sulfide as a Factor Mediating Cadmium and Nickel Bioavailability in Contaminated Sediments.
PB92-124296/REB 92-01 PC **A03**/MF **A01**

EPA/600/3-91/069
Computerized Risk and Bioaccumulation System (Version 1.0).
PB92-114164/REB 92-01 PC **A03**/MF **A01**

EPA/600/D-91/249
Dechlorinations of Polychlorinated Biphenyls in Sediments of New Bedford Harbor.
PB92-121151/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-90/546
Determination and Occurrence of AHH-Active Polychlorinated Biphenyls, 2,3,7,8-Tetrachloro-p-Dioxin and 2,3,7,8-Tetrachlorodibenzofuran in Lake Michigan Sediment and Biota. The Question of Their Relative Toxicological Significance.
PB92-108125/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-91/236
Effects of a Contaminated Sediment on Life History Traits and Population Growth Rate of 'Neanthes Arenaceodentata' (Polychaeta: Nereidae) in the Laboratory.
PB92-108059/REB 92-01 PC **A03**/MF **A01**

EPA/600/D-91/250
EPA's Environmental Monitoring and Assessment Program: An Ecological Status and Trends Program.
PB92-121169/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-91/299
Evaluation of Selected Lipid Methods for Normalizing Pollutant Bioaccumulation.
PB92-124379/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-91/274
Genotoxic Effects of Complex Marine Sediment Extracts on V79 Chinese Hamster Lung Fibroblasts.
PB92-121318/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-91/234
Increased Reproduction by Mysids ('Mysidopsis bahia') Fed with Enriched 'Artemia' spp. Nauplii.
PB92-108034/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-91/235
Influence of Constant and Fluctuating Salinity on Responses of 'Mysidopsis bahia' Exposed to Cadmium in a Life-Cycle Test.
PB92-108042/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-91/275
Influence of Size on Fate and Ecological Effects of Kepone in Physical Models.
PB92-121326/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-91/233
Interactive Effects of Aldrin, Cyclohexylamine, 2,4-Diaminotoluene and Two Phorbol Esters on Metabolic Cooperation between V79 Cells.
PB92-108026/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-91/292
Life History and Toxicological Comparisons of Temperate and Subtropical Mysids.
PB92-124304/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-91/231
Nutritional Value of 'Artemia' and 'Tigriopus californicus' (Baker) for Two Pacific Mysid Species, 'Metamysidopsis elongata' (Holmes) and 'Mysidopsis intii' (Holmquist).
PB92-108000/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-91/327
Technical Basis for Establishing Sediment Quality Criteria for Nonionic Organic Chemicals Using Equilibrium Partitioning. Annual Review.
PB92-129642/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-91/232
Test of Criteria for Introduced Species: The Global Invasion by the Isopod 'Synidotea laevidorsalis' (Miers, 1881).
PB92-108018/REB 92-01 PC **A03**/MF **A01**

EPA/600/D-91/234
Toxicity of Chlorine and Ammonia to Aquatic Life: Chemistry, Water Quality Criteria, Recent Research, and Recommended Future Research.
PB92-108091/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-90/548
U.S. Environmental Protection Agency's Environmental Monitoring and Assessment Program: An Ecological Status and Trends Program.
PB92-121292/REB 92-01 PC **A02**/MF **A01**

EPA/600/D-91/232
Uncertainties in Nitrogen Mass Loadings in Coastal Watersheds.
PB92-108075/REB 92-01 PC **A03**/MF **A01**

EPA/600/D-91/233
Watershed Nitrogen Management: Upper Potomac River Basin Case Study.
PB92-108083/REB 92-01 PC **A03**/MF **A01**

ENVIRONMENTAL MONITORING & SUPPORT LAB - Cinn, OH

EPA/600/J-92/038
Differentiation of 'Giardia duodenalis' from Other 'Giardia spp.' by Using Polymerase Chain Reaction and Gene Probes.
PB92-150531/REB 92-01 PC **A02**/MF **A01**

EPA/600/4-90/027
Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms (Fourth Edition).
PB91-167650/REB 92-01 PC **A14**/MF **A03**

EPA/600/R-92/129
Methods for the Determination of Organic Compounds in Drinking Water. Supplement 2.
PB92-207703/REB 92-04 PC **A12**/MF **A03**

EPA/600/3-91/075
Numerical Calculation: Aspiration Efficiency of Aerosols into Thin-Walled Sampling Inlets.
PB92-132901/REB 92-01 PC **A06**/MF **A02**

EPA/600/4-91/023
Practical Directory to Phycovirus Literature.
PB92-132893/REB 92-01 PC **A03**/MF **A01**

EPA/600/R-92/079
Status Report on Planktonic Cyanobacteria (Blue-Green Algae) and Their Toxins.
PB92-206259/REB 92-04 PC **A07**/MF **A02**

ENVIRONMENTAL MONITORING SYSTEMS LAB - Las Vegas, NV

EPA/600/R-92/033
Characterizing Heterogeneous Wastes: Methods and Recommendations (March 26-28, 1991).
PB92-216894/REB 92-04 PC **A08**/MF **A02**

EPA/600/4-91/008
Direct/Delayed Response Project: Soil Characterization Comparison.
PB92-153428/REB 92-01 PC **A16**/MF **A03**

EPA/600/J-92/166
Effects of Sampling Design Parameters on Block Selection.
PB92-180314/REB 92-01 PC **A02**/MF **A01**

EPA/600/4-91/019
Environmental Monitoring and Assessment Program: Surface Waters Implementation Plan - Northeast Pilot Lake Survey, Summer 1991.
PB92-139948/REB 92-01 PC **A05**/MF **A01**

EPA/600/J-92/302
Evaluation and Comparison of Spatial Interpolators.
PB92-227446/REB 92-04 PC **A03**/MF **A01**

EPA/600/J-92/103
Evaluation of Four Aerobiological Sampling Methods for the Retrieval of Aerosolized 'Pseudomonas syringae'.
PB92-158591/REB 92-01 PC **A01**/MF **A01**

EPA/600/J-92/037
Formation of Hemoglobin Adducts of Acrylamide and Its Epoxide Metabolite Glycidamide in the Rat.
PB92-150523/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/223
Gas Chromatographic Elution Patterns of Chlorinated Dioxins versus Column Polarity.
PB92-192186/REB 92-01 PC **A02**/MF **A01**

EPA/600/R-92/036
GIS Technical Memorandum 3: Global Positioning Systems Technology and Its Application in Environmental Programs.
PB92-169358/REB 92-01 PC **A04**/MF **A01**

EPA/600/4-91/029
Guide to Site and Soil Description for Hazardous Waste Site Characterization. Volume 1. Metals.
PB92-146158/REB 92-01 PC **A13**/MF **A03**

EPA/600/4-89/034-REV
Handbook of Suggested Practices for the Design and Installation of Ground-Water Monitoring Wells (Revised).
PB92-216886/REB 92-04 PC **A11**/MF **A03**

EPA/600/4-91/025
Indoor Air Pollutants from Household Product Sources: Project Report.
PB92-136837/REB 92-01 PC **A08**/MF **A02**

Information Integration for Environmental Monitoring and Assessment: An Annotated Bibliography.
PB92-227461/REB 92-04 PC **A03**/MF **A01**

EPA/600/J-91/317
Interlaboratory Comparison of Thermospray and Particle Beam Liquid Chromatography/Mass Spectrometry Interfaces: Evaluation of a Chlorinated Phenoxy Acid Herbicide Liquid Chromatography/Mass Spectrometry Analysis Method.
PB92-124734/REB 92-01 PC **A02**/MF **A01**

EPA/600/9-91/028
International Symposium on Field Screening Methods for Hazardous Wastes and Toxic Chemicals (2nd), Proceedings. Held in Las Vegas, Nevada on February 12-14, 1991.
PB92-125764/REB 92-01 PC **A99**/MF **E08**

EPA/600/4-91/032
Measurement of Polycyclic Aromatic Hydrocarbons in Soils and Sediments by Particle-Beam/High-Performance Liquid Chromatography/Mass Spectrometry.
PB92-188721/REB 92-01 PC **A03**/MF **A01**

EPA/600/4-91/012
Monitoring and Research Strategy for Forests-Environmental Monitoring and Assessment Program.
PB92-146208/REB 92-01 PC **A09**/MF **A02**

EPA/600/J-92/298
Probability of Plume Interception Using Conditional Simulation of Hydraulic Head and Inverse Modeling.
PB92-227404/REB 92-04 PC **A03**/MF **A01**

EPA/SW/DK-92/037
Protein Adducts for Exposure Monitoring: A Computerized Database (CPAD) (Version 1) (for Microcomputers).
PB92-501873/REB 92-01 CP **D02**

EPA/600/8-91/043
Protein Adducts for Exposure Monitoring: A Computerized Database. Software and User's Manual.
PB92-155431/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/125
Proximity of Louisiana Sanitary Landfills to Wetlands and Deepwater Habitats.
PB92-164953/REB 92-01 PC **A02**/MF **A01**

EPA/600/8-91/045
Selection of Adduct-Forming Chemicals for Human Monitoring Studies.
PB92-132877/REB 92-01 PC **A05**/MF **A01**

EPA/600/4-91/028
Superfund Innovative Technology Evaluation Program Demonstration Plan for Westinghouse Bio-Analytic Systems Pentachlorophenol Immunoassays.
PB92-170190/REB 92-01 PC **A08**/MF **A02**

EPA/600/R-92/032
Superfund Innovative Technology Evaluation (Site) Report for the Westinghouse Bio-Analytic Systems Pentachlorophenol (PCP) Immunoassays.
PB92-188713/REB 92-01 PC **A06**/MF **A02**

EPA/600/4-91/006
Time Spent in Activities, Locations, and Microenvironments: A California-National Comparison.
PB92-140789/REB 92-01 PC **A05**/MF **A01**

EPA/600/4-91/027
Watershed Characterization Using Landsat Thematic Mapper Imagery: Blackfoot River, Montana.
PB92-115237/REB 92-01 PC **A03**/MF **A01**

ENVIRONMENTAL SCIENCES RESEARCH LAB - RTP, NC

EPA/600/R-92/107
Acid Aerosol Measurement Intercomparison Workshop. Held in Research Triangle Park, North Carolina on April 10-11, 1991.
PB92-191097/REB 92-01 PC **A15**/MF **A03**

EPA/600/A-92/120
Acid Aerosol Measurement Methods: Studies of Extraction and Analytical Effects.
PB92-191154/REB 92-01 PC **A02**/MF **A01**

EPA/600/A-92/057
AcidMODES: A Major Field Study to Evaluate Regional Scale Air Pollution Models.
PB92-158518/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/144
Advanced Emission Speciation Methodologies for the Auto/Oil Air Quality Improvement Research Program. 1. Hydrocarbons and Ethers.
PB92-166784/REB 92-01 PC **A03**/MF **A01**

EPA/600/A-92/152
Advanced Emissions Speciation Methodologies for the Auto/Oil Air Quality Improvement Research Program. 2. Aldehydes, Ketones, and Alcohols.
PB92-206523/REB 92-04 PC **A03**/MF **A01**

EPA/600/J-92/295
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PB92-227370/REB 92-04 PC **A02**/MF **A01**

EPA/600/R-92/157
Atlanta Ozone Precursor Monitoring Study Data Report.
PB92-220656/REB 92-04 PC **A08**/MF **A02**

EPA/600/J-92/263
Canister-Based Method for Monitoring Toxic VOCs in Ambient Air.
PB92-206432/REB 92-04 PC **A03**/MF **A01**

EPA/600/A-92/148
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PB92-206481/REB 92-04 PC **A03**/MF **A01**

EPA/600/A-92/069
Clean Air Act Requirements for Trace Metals Information.
PB92-164995/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-92/264
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PB92-206440/REB 92-04 PC **A02**/MF **A01**

EPA/600/J-92/294
Comparison of SIMCA Pattern Recognition and Library Search Identification of Hazardous Compounds from Mass Spectra.
PB92-227362/REB 92-04 PC **A03**/MF **A01**

EPA/600/J-92/134
Composition of Motor Vehicle Organic Emissions under Elevated Temperature Summer Driving Conditions (75 to 105 deg F).
PB92-166693/REB 92-01 PC **A02**/MF **A01**

EPA/600/A-92/067
Concentrations from Above-Roof Releases of Laboratory Exhausts: A Wind Tunnel Study.
PB92-164821/REB 92-01 PC **A03**/MF **A01**

EPA/600/A-92/116
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PB92-188820/REB 92-01 PC **A03**/MF **A01**

EPA/600/A-92/123
Customer/Supplier Accountability and Quality Assurance (QA) Program Implementation.
PB92-191162/REB 92-01 PC **A02**/MF **A01**

EPA/600/A-92/032
Diagnostic Evaluation of Regional Acid Deposition Model (RADM) Performance during a Period of Frontal Passage Using Aircraft Measurements.
PB92-152958/REB 92-01 PC **A06**/MF **A02**

EPA/600/A-92/175
Educating Managers about Quality through Customer-Supplier Understanding. Overview of Current Training Initiatives in Energy and Environmental Programs. Annual National Energy and Environmental Quality Division Conference (19th).
PB92-217116/REB 92-04 PC **A03**/MF **A01**

EPA/600/A-92/058
Effect of Sub-Grid-Scale Rainfall Analysis on Sulfate Wet Deposition Estimates in the Regional Lagrangian Model of Air Pollution (RELMAP).
PB92-158526/REB 92-01 PC **A02**/MF **A01**

EPA-600/A-92/042
Emissions and Fuel Economy of DOE Flex-Fuel Vehicles.
PB92-153055/REB 92-01 PC **A03**/MF **A01**

EPA/600/D-91/286
Estimating Natural Emissions for EPA's Regional Oxidant Model.
PB92-129592/REB 92-01 PC **A03**/MF **A01**

EPA/600/D-91/287
Evaluation of a Sampling and Analysis Method for Determination of Polyhalogenated Dibenzo-p-Dioxins and Dibenzofurans in Ambient Air.
PB92-129600/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-92/130
Evaluation of Gas Chromatography/Matrix Isolation Infrared Spectrometry for the Determination of Semivolatile Organic Compounds in Air Sample Extracts.
PB92-166651/REB 92-01 PC **A03**/MF **A01**

EPA/600/A-92/055
Evaluation of RADM Predictions for a Mesoscale-beta Box Volume over Northeastern Pennsylvania.
PB92-158492/REB 92-01 PC **A02**/MF **A01**

EPA/600/R-92/050
Evaluation of the Fourier Transform Infrared Spectrometer for Particle-Associated Ammonium Sulfate Determination.
PB92-160084/REB 92-01 PC **A04**/MF **A01**

EPA/600/R-92/071
Evaluation of VOST and SemiVOST Methods for Halogenated Compounds in the Clean Air Act Amendments Title III, Bench and Laboratory Studies.
PB92-178979/REB 92-01 PC **A03**/MF **A01**

EPA/600/4-91/026
Example Environmental Assessment Report for Estuaries.
PB92-102656/REB 92-01 PC **A04**/MF **A01**

EPA/600/J-92/129
Fluid Modeling Simulation of Stack-Tip Downwash for Neutrally Buoyant Plumes.
PB92-166644/REB 92-01 PC **A03**/MF **A01**

EPA/600/3-91/066
Forest Health Monitoring, New England, 1990. Annual Report.
PB92-113018/REB 92-01 PC **A07**/MF **A02**

EPA/600/3-91/051
Forest Health Monitoring Plot Design and Logistics Study.
PB92-118447/REB 92-01 PC **A06**/MF **A02**

EPA/600/J-92/138
High-Volume Impactor for Sampling Fine and Coarse Particles.
PB92-166727/REB 92-01 PC **A02**/MF **A01**

EPA/600/D-91/240
Impact of Methanol and CNG Fuels on Motor Vehicle Toxic Emissions.
PB92-110378/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/133
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PB92-166685/REB 92-01 PC **A03**/MF **A01**

EPA/600/A-92/034
Investigation of RADM Performance Using Aircraft Measurements.
PB92-152974/REB 92-01 PC **A02**/MF **A01**

EPA/600/3-91/052
Laboratory and Field Evaluations of a Methodology for Determining Hexavalent Chromium Emissions from Stationary Sources.
PB92-101336/REB 92-01 PC **A06**/MF **A02**

EPA/600/J-92/262
Long-Path FTIR Measurements of Volatile Organic Compounds in an Industrial Setting (July 1989-April 1991).
PB92-206424/REB 92-04 PC **A02**/MF **A01**

EPA/600/A-92/139
Meteorological and Site Influences Affecting the Comparison of Nephelometer and Photographic Determinations of Light Extinction at Rural Sites in the Eastern United States.
PB92-195999/REB 92-01 PC **A03**/MF **A01**

EPA/600/8-91/209
Method 25: Determination of Total Gaseous Non-Methane Organic Emissions as Carbon from Stationary Sources.
PB92-113026/REB 92-01 PC **A07**/MF **A02**

EPA/600/R-92/077
NEXRAD Precipitation Information Application Forum Climate and Global Change.
PB92-180082/REB 92-01 PC **A03**/MF **A01**

EPA/600/A-92/054
Observations of Transport of Trace Gases by Vigorous Convective Clouds.
PB92-158484/REB 92-01 PC **A02**/MF **A01**

EPA/600/A-92/125
Open Path Ambient Measurements of Pollutants with a DOAS System.
PB92-192160/REB 92-01 PC **A02**/MF **A01**

EPA/600/A-92/033
Partitioning of the Sulfate Budget into Gas and Aqueous-Phase Components in the Regional Acid Deposition Model (RADM).
PB92-152966/REB 92-01 PC **A02**/MF **A01**

EPA/600/A-92/056
Performances of Lagrangian and Eulerian Transport and Diffusion Models across Continental Scales.
PB92-158500/REB 92-01 PC **A02**/MF **A01**

Phase Distributions of Airborne Polycyclic Aromatic Hydrocarbons in Two U.S. Cities.
PB92-164979/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/136
Polycyclic Aromatic Hydrocarbons and Their Derivatives in Indoor and Outdoor Air in an Eight-Home Study.
PB92-166701/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-91/254
Production of Carbon Monoxide by the Homogeneous NOx-Induced Photooxidation of Volatile Organic Compounds in the Troposphere.
PB92-110576/REB 92-01 PC **A03**/MF **A01**

EPA/600/R-92/112
Protocols for Evaluating Oxidant Mechanisms for Urban and Regional Models.
PB92-205848/REB 92-04 PC **A06**/MF **A02**

EPA/600/R-92/106
Quality Assurance Support for the National Atmospheric Deposition Program and National Trends Network Monitoring Activities. Fourth Progress Report, 1990-1991.
PB92-194000/REB 92-01 PC **A06**/MF **A02**

EPA/600/D-91/274
Regional Air Quality and Acid Deposition Modeling and the Role for Visualization.
PB92-124247/REB 92-01 PC **A03**/MF **A01**

EPA/600/3-91/065
Regional Fine Particle Field Study: Data Base and Initial Results.
PB92-106939/REB 92-01 PC **A05**/MF **A01**

EPA/SW/MT-92/024
Regional Oxidant Model (ROM), Source Code and Test Data (Version 2.1).
PB92-500859/REB 92-01 MagTape$4000.00

EPA/SW/MT-92/023
Regional Oxidant Model (ROM), (Source Code Only) (Version 2.1).
PB92-500842/REB 92-01 MagTape$1500.00

EPA/600/8-90/083D
Regional Oxidant Model (ROM) User's Guide. Part 4: The ROM System User Tutorial (Processor Network and Core Model).
PB92-120872/REB 92-01 PC **A10**/MF **A03**

EPA/600/R-92/029
Report of the Great Lakes Air Toxics Research Priorities Workshop. Held at Navarre, Minnesota on March 11-13, 1991.
PB92-166933/REB 92-01 PC **A03**/MF **A01**

EPA/600/3-91/074
Role of Climate in Forest Monitoring and Assessment: A New England Example.
PB92-132885/REB 92-01 PC **A06**/MF **A02**

EPA/600/J-92/132
Sampling and Analysis of PCDDs and PCDFs in Stationary Source Emission Air Samples.
PB92-166677/REB 92-01 PC **A02**/MF **A01**

EPA/600/A-92/147
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PB92-198274/REB 92-04 PC **A03**/MF **A01**

EPA/600/R-92/067
Sensitivity of Modeled Ozone Concentrations to Uncertainties in Biogenic Emissions.
PB92-192202/REB 92-01 PC **A10**/MF **A03**

EPA/600/A-92/035
Sensitivity of RADM to Point Source Emissions Processing.
PB92-152982/REB 92-01 PC **A02**/MF **A01**

EPA/600/D-91/263
Source Reconciliation of Ambient Volatile Organic Compounds Measured in the Atlanta 1990 Summer Study: The Mobile Source Component.
PB92-124130/REB 92-01 PC **A03**/MF **A01**

EPA/600/A-92/124
Spatial and Temporal Analysis of Non-Urban Ozone Concentrations over the Eastern United States Using Rotated Principal Component Analysis.
PB92-192152/REB 92-01 PC **A02**/MF **A01**

EPA/600/A-92/115
Stability of Air Toxic Gases Listed in Title III Clean Air Act Amendments.
PB92-188812/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/131
Stability of Tropospheric OH during Ice Ages, Inter-Glacial Epochs and Modern Times.
PB92-166669/REB 92-01 PC **A02**/MF **A01**

EPA/600/8-91/213
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PB92-114172/REB 92-01 PC **A03**/MF **A01**

EPA/600/8-91/214
Standard Operating Procedures for Measurement of Lead in Paint Using the SCITEC MAP-3 X-ray Fluorescence Spectrometer.
PB92-114180/REB 92-01 PC **A04**/MF **A01**

EPA/600/D-91/242
Status and Needs for Toxic Emission Inventories for Regional Dispersion and Deposition Modeling.
PB92-110394/REB 92-01 PC **A03**/MF **A01**

EPA/600/R-92/152
Summary Report for the National Atmospheric Deposition *Program National Trends Network (NADP/NTN) Site Visi*tation Program.
PB92-219823/REB 92-04 PC **A06**/MF **A02**

EPA/600/R-92/151
Summary Report for the National Atmospheric Deposition Program/National Trends Network (NADP/NTN) Site Visitation Program for the Period October 1989 through September 1990.
PB92-217298/REB 92-04 PC **A05**/MF **A01**

EPA/600/8-91/215
Technical Assistance Document for Sampling and Analysis of Ozone Precursors.
PB92-122795/REB 92-01 PC **A09**/MF **A02**

EPA/600/J-92/137
Tedlar Bag Sampling System for Toxic Organic Compounds in Source Emission Sampling and Analysis.
PB92-166719/REB 92-01 PC **A01**/MF **A01**

EPA/600/R-92/055
Theoretical Evaluation of Stability of Volatile Organic Chemicals and Polar Volatile Organic Chemicals in Canisters.
PB92-166941/REB 92-01 PC **A03**/MF **A01**

EPA/600/3-91/070
Tropospheric Nitrogen: The Influence of Anthropogenic Sources on Distribution and Deposition.
PB92-126937/REB 92-01 PC **A06**/MF **A02**

EPA/600/D-91/255
*U.S. Standards for Air Sampling of Environmental Con*taminants: Current Basis and Future Options.
PB92-121219/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/100
*Use of Four-Dimensional Data Assimilation in a Limited-*Area Mesoscale Model Part 2: Effects of Data Assimilation within the Planetary Boundary Layer.
PB92-153923/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/141
Use of Four-Dimensional Data Assimilation in a Limited-Area Mesoscale Model Part 2: Effects of Data Assimilation within the Planetary Boundary Layer.
PB92-166750/REB 92-01 PC **A03**/MF **A01**

HEALTH EFFECTS RESEARCH LAB - Cinn, OH

EPA/600/J-92/250
2,4,5-Trichlorophenoxyacetic Acid Influence on 2,6-Dinitrotoluene-Induced Urine Genotoxicity in Fisher 344 Rats: Effect on Gastrointestinal Microflora and Enzyme Activity.
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EPA/600/J-91/020
5,7-Dihydroxytryptamine Injections Increase Glial Fibrillary Acidic Protein in the Hypothalamus of Adult Rats.
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EPA/600/J-92/071
90-Day Toxicity Study of Dichloroacetate in Dogs.
PB92-150853/REB 92-01 PC **A03**/MF **A01**

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Acute Effects of Diisopropyl Fluorophosphate (DFP) on Autonomic and Behavioral Thermoregulatory Responses in the Long-Evans Rat.
PB92-124668/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/253
Age-Dependent Changes in Receptor-Stimulated Phosphoinositide Turnover in the Rat Hippocampus.
PB92-206333/REB 92-04 PC **A02**/MF **A01**

EPA/600/J-92/309
Age-Related Percutaneous Penetration of 2-sec-Butyl-4-6-Dinitrophenol (Dinoseb) in Rats.
PB92-227495/REB 92-04 PC **A03**/MF **A01**

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PB92-124676/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-92/186
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PB92-206382/REB 92-04 PC **A03**/MF **A01**

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PB92-124551/REB 92-01 PC **A03**/MF **A01**

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PB92-227412/REB 92-04 PC **A02**/MF **A01**

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PB92-217231/REB 92-04 PC **A02**/MF **A01**

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EPA/600/A-92/155
Approach to the Design of Nonmutagenic Azo Dyes: Analogues of the Mutagen 4-Amino-3-Methoxyazobenzene (Chapter 4).
PB92-206556/REB 92-04 PC **A03**/MF **A01**

EPA/600/J-92/069
Assessing Developmental Hazard: The Reliability of the A/D Ratio.
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PB92-113257/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-91/265
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PB92-113273/REB 92-01 PC **A03**/MF **A01**

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PB92-232784/REB 92-04 PC **A03**/MF **A01**

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PB92-232800/REB 92-04 PC **A03**/MF **A01**

EPA/600/D-91/283
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PB92-126903/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-91/249
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PB92-110527/REB 92-01 PC **A03**/MF **A01**

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PB92-188903/REB 92-01 PC **A03**/MF **A01**

EPA/600/A-92/029
Assessment of Toxicant-Induced Alterations in the Luteinizing Hormone Control of Ovulation in the Rat.
PB92-150515/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/017
Auditory Deficits and Motor Dysfunction Following Iminodipropionitrile Administration in the Rat.
PB92-143890/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-92/314
Carboxyhemoglobin and Brain Blood Flow in Humans.
PB92-227552/REB 92-04 PC **A02**/MF **A01**

EPA/600/J-92/201
Carcinogen-DNA Adducts in Cultures of Rat and Human Hepatocytes.
PB92-189075/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-92/313
Carcinogenic Risk of Non-Uniform Alpha Particle Irradiation in the Lungs: Radon Progeny Effects at Bronchial Bifurcations.
PB92-227545/REB 92-04 PC **A02**/MF **A01**

EPA/600/J-92/117
Carcinogens and Human Health: Part 3. Letter to the Editor.
PB92-164870/REB 92-01 PC **A01**/MF **A01**

EPA/600/J-92/191
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PB92-188978/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-92/199
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PB92-189059/REB 92-01 PC **A02**/MF **A01**

*Cigarette Smoke-Induced DNA Adducts in the Respirato*ry and Nonrespiratory Tissues of Rats.
PB92-189083/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-91/323
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EPA/600/A-92/083
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EPA/600/J-91/244
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PB92-110477/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/230
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PB92-195833/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-92/122
Comparative Subchronic Toxicity Studies of Three Disinfectants.
PB92-164920/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-91/252
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PB92-110550/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/198
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PB92-189042/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/188
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PB92-188945/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/108
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PB92-158641/REB 92-01 PC **A03**/MF **A01**

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PB92-110501/REB 92-01 PC **A02**/MF **A01**

EPA/600/A-92/064
Compound-Induced Alterations of Sexual Differentiation: A Review of Effects in Humans and Rodents.
PB92-158583/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/068
Computational Studies of the 3-Dimensional Structure of Cyclopenta Polycyclic Aromatic Hydrocarbons Containing a Gulf Region.
PB92-150820/REB 92-01 PC **A03**/MF **A01**

EPA/600/A-92/070
Computer-Assisted Sperm Analysis of Rodent Epididymal Sperm Motility Using the Hamilton-Thorn Motility Analyzer.
PB92-165000/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-91/250
Concentration of Glial Fibrillary Acidic Protein Increases with Age in the Mouse and Rat Brain.
PB92-110535/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-92/073
Concentration-Time Models for the Effects of Ozone on Bronchoalveolar Lavage Fluid Protein from Rats and Guinea Pigs.
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EPA/600/J-92/254
Considerations in the U.S. Environmental Protection Agency's Testing Approach for Mutagencity.
PB92-206341/REB 92-04 PC **A03**/MF **A01**

EPA/600/J-92/311
Corticosterone Hypersecretion in Preweanling Rats Exposed Neonatally to Trimethyltin.
PB92-227529/REB 92-04 PC **A02**/MF **A01**

EPA/600/J-92/112
Deposition Patterns of Cigarette Smoke in Human Airways.
PB92-158682/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/312
Deposition Patterns of Ragweed Pollen in the Human Respiratory Tract.
PB92-227537/REB 92-04 PC **A02**/MF **A01**

EPA/600/J-92/055
Design and Implementation of a Collaborative Study of the *Mutagenicity of Complex Mixtures in 'Salmonella ty*phimurium'.
PB92-150697/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-92/116
Developmental Effects of Methyl Benzimidazolecarbamate Following Exposure during Early Pregnancy.
PB92-164862/REB 92-01 PC **A02**/MF **A01**

EPA/600/A-92/154
Developmental Neurotoxicology of Polychlorinated Biphenyls and Related Compounds.
PB92-206549/REB 92-04 PC **A03**/MF **A01**

EPA/600/J-91/264
Developmental Toxicity of Bromoxynil in Mice and Rats.
PB92-113265/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-91/308
Developmental Toxicity of TCDD and Related Compounds: Species Sensitivities and Differences.
PB92-124643/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/335
Differences between Rats and Mice in the Immunosuppressive Activity of 2-Methoxyethanol and 2-Methoxyacetic Acid.
PB92-232974/REB 92-04 PC **A03**/MF **A01**

EPA/600/J-92/280
Differences in Arachidonic Acid Metabolism by Human Myelomonocytic Cell Lines.
PB92-217215/REB 92-04 PC **A02**

EPA/600/J-91/262
Differential Impact of Hypothermia and Pentobarbital on *Brain-Stem Auditory Evoked Responses.*
PB92-113240/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/053
Direct DNA Sequencing of PCR Products.
PB92-150671/REB 92-01 PC **A01**/MF **A01**

EPA/600/J-92/016
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PB92-143882/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-92/060
Disposition of 2,3,7,8-Tetrabromodibenzo-p-Dioxin and *2,3,7,8-Tetrachlorodibenzo-p-dioxin in the Rat: Biliary Ex*cretion and Induction of Cytochromes CYP1A1 and CYP1A2.
PB92-150747/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/321
DNA Adduct Formation by 12 Chemicals with Populations Potentially Suitable for Molecular Epidemiological Studies.
PB92-227628/REB 92-04 PC **A04**/MF **A01**

EPA/600/J-91/306
DNA Adducts in Rat Lung, Liver and Peripheral Blood Lymphocytes Produces by i.p. Administration of Benzo(a)Pyrene Metabolites and Derivatives.
PB92-124627/REB 92-01 PC **A01**/MF **A01**

EPA/600/J-92/059
DNA Adducts of the Antitumor Agent Diaziquone.
PB92-150739/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-92/120
DNA Strand Breaks Induced in Cultured Human and Rodent Cells by Chlorohydroxyfuranones, Mutagens Isolated from Drinking Water.
PB92-164904/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/181
Doing the Right Thing (Book Reviews).
PB92-188887/REB 92-01 PC **A01**/MF **A01**

EPA/600/J-92/274
Dose-Related Inhibition of Brain and Plasma Cholinesterase in Neonatal and Adult Rats Following Sublethal Organophosphate Exposures.
PB92-209360/REB 92-04 PC **A03**/MF **A01**

EPA/600/J-92/114
Dosimetry of Localized Accumulations of Cigarette Smoke and Radon Progeny at Bifurcations.
PB92-164847/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-91/305
Dynamics of Behavioral Thermoregulation in the Rat.
PB92-124619/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-92/257
Effect of Bioremediation on the Mutagenicity of Oil Spilled in Prince William Sound, Alaska.
PB92-206374/REB 92-04 PC **A02**/MF **A01**

EPA/600/J-92/075
Effect of Pentachlorophenol on the Activation of 2,6-Dinitrotoluene to Genotoxic Urinary Metabolites in CD-1 Mice: A Comparison of GI Enzyme Activities and Urine Mutagenicity.
PB92-150895/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/074
Effects of Chemically Induced Maternal Toxicity on Prenatal Development in the Rat.
PB92-150887/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-92/279
Effects of Heavy Industrial Pollution on Respiratory Function in the Children of Cubatao, Brazil: A Preliminary Report.
PB92-217207/REB 92-04 PC **A02**/MF **A01**

EPA/600/J-92/063
Effects of NGF and Fetal Cell Transplants on Spatial Learning after Intradentate Administration of Colchicine.
PB92-150770/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/324
Effects of PCB (Aroclor (Trade Name) 1254) on Non-Specific Immune Parameters in Rhesus ('Macaca mulatta') Monkeys.
PB92-232867/REB 92-04 PC **A03**/MF **A01**

EPA/600/J-92/021
Effects of Triadimefon on a Multiple Schedule of Fixed-Interval Performance: Comparison with Methylphenidate, d-Amphetamine and Chlorpromazine.
PB92-143932/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-92/310
Effects of Trimethyltin on Repeated Acquisition (Learning) in the Radial-Arm Maze.
PB92-227503/REB 92-04 PC **A03**/MF **A01**

EPA/600/J-92/248
Efficient Multiple-Exposure Analysis of the Toxicity of Crisnatol: A DNA Intercalator in Phase 2 Clinical Trials.
PB92-206283/REB 92-04 PC **A03**/MF **A01**

EPA/600/J-92/190
Embryonic Palatal Responses to Teratogens in Serum-Free Organ Culture.
PB92-188960/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-91/309
Enhance and Prolonged Pulmonary Influenza Virus Infection Following Phosgene Inhalation.
PB92-124650/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-91/270
Enhanced Neurotoxicity of 3,3'-Iminodipropionitrile Following Pretreatment with Carbon Tetrachloride in the Rat.
PB92-113323/REB 92-01 PC **A03**/MF **A01**

EPA/600/A-92/181
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PB92-227313/REB 92-04 PC **A06**/MF **A02**

EPA/600/J-92/153
Epoxide Ring Opening and Related Reactivities of Cyclopenta Polycyclic Aromatic Hydrocarbons: Quantum Mechanical Studies.
PB92-179795/REB 92-01 PC **A02**/MF **A01**

EPA/600/D-91/236
Evaluating the Human Health Effects of Hazardous Wastes: Reproduction and Development, Neurotoxicity, Genetic Toxicity and Cancer.
PB92-110352/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-91/271
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PB92-113331/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-91/273
Evaluation of Immunotoxicity of an Urban Profile of Nitrogen Dioxide: Acute, Subchronic, and Chronic Studies.
PB92-113356/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-91/304
Evaluation of the Immunotoxicity of Orally Administered 2-Methoxyacetic Acid in Fischer 344 Rats.
PB92-124601/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-91/268
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PB92-113307/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-92/143
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PB92-166776/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-91/301
Excessive Cycling Converts PCR Products to Random-Length Higher Molecular Weight Fragments.
PB92-124577/REB 92-01 PC **A01**/MF **A01**

EPA/600/R-92/136
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PB92-217454/REB 92-04 PC **A05**/MF **A01**

EPA/600/J-92/195
Exposure of Humans to a Volatile Organic Mixture. 1. Behavioral Assessment.
PB92-189018/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-92/118
Exposure of Humans to a Volatile Organic Mixture. 2. Sensory.
PB92-164888/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/281
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PB92-217223/REB 92-04 PC **A02**/MF **A01**

EPA/600/J-92/336
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PB92-232982/REB 92-04 PC **A03**/MF **A01**

EPA/600/D-91/280
Feline Bronchopulmonary Disease.
PB92-126879/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/319
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PB92-227602/REB 92-04 PC **A03**/MF **A01**

EPA/600/D-91/281
Fractionation of Complex Combustion Mixtures Using an Ion-Exchange Methodology.
PB92-126887/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-92/023
Gene Probe for PO Messenger RNA Used to Index Acrylamide Toxic Neuropathy in Rats.
PB92-143957/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/025
Generation of Recombinant Baculovirus via Liposome-Mediated Transfection.
PB92-143973/REB 92-01 PC **A01**/MF **A01**

EPA/600/J-92/203
Genetic Activity Profile Database.
PB92-189091/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-91/324
Genotoxicity in Mouse Lymphoma Cells of Chemicals Capable of Michael Addition.
PB92-120484/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-92/318
Genotoxicity of Industrial Wastes and Effluents. A Review.
PB92-227594/REB 92-04 PC **A03**/MF **A01**

EPA/600/D-91/237
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PB92-110360/REB 92-01 PC **A03**/MF **A01**

EPA/600/A-92/112
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PB92-188788/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/337
Hepatocarcinogenicity of Chloral Hydrate, 2-Chloroacetaldehyde, and Dichloroacetic Acid in the Male B6C3F1 Mouse.
PB92-232990/REB 92-04 PC **A03**/MF **A01**

EPA/600/J-92/067
Host Resistance to Murine Malaria in Mice Exposed to the Adenosine Deaminase Inhibitor, 2'-Deoxycoformycin.
PB92-150812/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/338
Host Resistance to 'Trichinella spiralis' Infection in Rats and Mice: Species-Dependent Effects of Cyclophosphamide Exposure.
PB92-233006/REB 92-04 PC **A03**/MF **A01**

EPA/600/J-92/255
Human Bronchial Epithelial Cell Strain with Unusual In vitro Growth Potential Which Undergoes Neoplastic Transformation after SV40 T Antigen Gene Transfection.
PB92-206358/REB 92-04 PC **A03**/MF **A01**

EPA/600/J-92/316
Human Carcinogenesis by Arsenic.
PB92-227578/REB 92-04 PC **A02**/MF **A01**

EPA/600/J-92/322
Immature Rat Leydig Cells are Intrinsically Less Sensitive Than Adult Leydig Cells to Ethane Dimethanesulfonate.
PB92-232842/REB 92-04 PC **A03**/MF **A01**

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PB92-188796/REB 92-01 PC **A03**/MF **A01**

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PB92-124593/REB 92-01 PC **A01**/MF **A01**

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EPA/600/J-92/260
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PB92-124700/REB 92-01 PC **A02**/MF **A01**

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PB92-113232/REB 92-01 PC **A02**/MF **A01**

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PB92-158674/REB 92-01 PC **A03**/MF **A01**

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PB92-158666/REB 92-01 PC **A02**/MF **A01**

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PB92-150762/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-92/165
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EPA/600/J-92/072
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PB92-150861/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-91/316
Neonatal Exposure to Triethyltin Disrupts Olfactory Discrimination Learning in Preweanling Rats.
PB92-124726/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-91/315
Neonatal Exposure to Trimethyltin Disrupts Spatial Delayed Alternation Learning in Preweanling Rats.
PB92-124718/REB 92-01 PC **A02**/MF **A01**

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PB92-188937/REB 92-01 PC **A02**/MF **A01**

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PB92-189034/REB 92-01 PC **A02**/MF **A01**

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PB92-189000/REB 92-01 PC **A02**/MF **A01**

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PB92-126895/REB 92-01 PC **A03**/MF **A01**

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PB92-124684/REB 92-01 PC **A03**/MF **A01**

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PB92-227420/REB 92-04 PC **A03**/MF **A01**

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PB92-217140/REB 92-04 PC **A05**/MF **A01**

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PB92-158658/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-92/070
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PB92-150846/REB 92-01 PC **A03**/MF **A01**

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PB92-170174/REB 92-01 PC **A04**/MF **A01**

EPA/600/J-92/273
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PB92-209352/REB 92-04 PC **A02**/MF **A01**

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PB92-232826/REB 92-04 PC **A03**/MF **A01**

EPA/600/J-92/061
Utility of Light Scatter in the Morphological Analysis of Sperm.
PB92-150754/REB 92-01 PC **A03**/MF **A01**

EPA/600/A-92/028
Vertebrate Toxicology of the Solubilized Parasporal Crystalline Proteins of 'Bacillus thuringiensis' Subsp. 'israelensis'.
PB92-150507/REB 92-01 PC **A03**/MF **A01**

HEALTH EFFECTS RESEARCH LAB - RTP, NC

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Effect of Inhaled Methanol on Pituitary and Testicular Hormones in Chamber Acclimated and Non-Acclimated Rats.
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EPA/600/J-92-065
Fungicide Benomyl(Methyl 1-(Butylcarbamoyl)-2-Benzimidazolecarbamate) Causes Testicular Dysfunction by Inducing the Sloughing of Germ Cells and Occlusion of Efferent Ductules.
PB92-150796/REB 92-01 PC **A03**/MF **A01**

INDUSTRIAL ENVIRONMENTAL RESEARCH LAB - Cinn, OH

EPA/625/2-79/024
Capsule Report: Acostic Monitoring to Determine the Integrity of Hazardous Waste Dams.
PB92-179928/REB 92-01 PC **A03**/MF **A01**

EPA/625/2-84/031
Capsule Report: Benefits of Microprocessor Control of Curing Ovens for Solvent-Based Coatings.
PB92-179993/REB 92-01 PC **A03**/MF **A01**

EPA/625/7-88/003
Waste Minimization Opportunity Assessment Manual.
PB92-216985/REB 92-04 PC **A06**/MF **A02**

INDUSTRIAL ENVIRONMENTAL RESEARCH LAB - RTP, NC

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EPA/600/J-92/265
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PB92-206457/REB 92-04 PC **A01**/MF **A01**

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PB92-153725/REB 92-01 PC **A03**/MF **A01**

EPA/625/2-82/029
Capsule Report: Adipic Acid-Enhanced Lime/Limestone Test Results at the EPA Alkali Scrubbing Test Facility.
PB92-179944/REB 92-01 PC **A03**/MF **A01**

EPA/625/2-80/028
Capsule Report: Disposal of Flue Gas Desulfurization Wastes. Shawnee Field Evaluation.
PB92-179936/REB 92-01 PC **A03**/MF **A01**

EPA/625/2-79/023
Capsule Report: First Progress Report. Physical Coal-Cleaning Demonstration at Homer City, Pennsylvania.
PB92-179910/REB 92-01 PC **A03**/MF **A01**

EPA/625/2-79/021
Capsule Report: Particulate Control by Fabric Filtration on Coal-Fired Industrial Boilers.
PB92-179894/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/224
Case Study of Radon Diagnostics and Mitigation in a New York State School.
PB92-198571/REB 92-04 PC **A02**/MF **A01**

EPA/600/J-91/283
Characteristics of Single Particle Coal Combustion.
PB92-121409/REB 92-01 PC **A02**/MF **A01**

EPA/600/A-92/160
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PB92-206606/REB 92-04 PC **A03**/MF **A01**

EPA/600/J-90/549
Cleaning of Flue Gases from Waste Combustors, 1990.
PB92-121300/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-89/550
Combustion Control of Trace Organic Air Pollutants from Municipal Waste Combustors.
PB92-113158/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/225
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PB92-198589/REB 92-04 PC **A03**/MF **A01**

EPA/600/A-92/008
Conceptual Design Issues: Developing a New Highway Vehicle Emissions Estimation Methodology.
PB92-139450/REB 92-01 PC **A02**/MF **A01**

EPA/600/R-92/169
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PB92-238468/REB 92-04 PC **A04**/MF **A01**

EPA/600/R-92/058
Controlling Odorous Emissions from Iron Foundries.
PB92-166925/REB 92-01 PC **A03**/MF **A01**

EPA/600/A-92/162
Corona Destruction: An Innovative Control Technology for VOCs and Air Toxics.
PB92-206622/REB 92-04 PC **A03**/MF **A01**

EPA/600/J-91/320
Cost Analysis of Soil Depressurization Techniques for Indoor Radon Reduction.
PB92-120443/REB 92-01 PC **A03**/MF **A01**

EPA/600/A-92/127
Costs of Radon Diagnostics and Mitigation in School Buildings.
PB92-198282/REB 92-04 PC **A03**/MF **A01**

EPA/600/J-92/047
Current Status of ADVACATE Process for Flue Gas Desulfurization (Journal Article).
PB92-150622/REB 92-01 PC **A02**/MF **A01**

EPA/600/A-92/158
Data Logging Systems for Monitoring Long-Term Radon Mitigation Experimental Programs in Schools and Other Large Buildings.
PB92-206580/REB 92-04 PC **A03**/MF **A01**

EPA/600/A-92/007
Degreasing System Pollution Prevention Evaluation.
PB92-139443/REB 92-01 PC **A03**/MF **A01**

EPA/600/R-92/007
Demonstration of Fuel Cells to Recover Energy from Landfill Gas. Phase 1 Final Report: Conceptual Study.
PB92-137520/REB 92-01 PC **A05**/MF **A01**

EPA/600/R-92/115
Demonstration of Sorbent Injection Technology on a Wall-Fired Utility Boiler (Edgewater Limb Demonstration).
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EPA/600/A-92/135
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PB92-195973/REB 92-01 PC **A03**/MF **A01**

EPA/600/D-91/271
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PB92-124213/REB 92-01 PC **A03**/MF **A01**

EPA-600/R-92/084
Development of a Core Combustion Research Program Plan for EPA.
PB92-180868/REB 92-01 PC **A03**/MF **A01**

EPA/600/8-91/210A
Development of Alternate Performance Standard for Radon Resistant Construction Based on Short-Term/Long-Term Indoor Radon Concentrations. Volume 1. Technical Report.
PB92-115211/REB 92-01 PC **A05**/MF **A01**

EPA/600/8-91/210B
Development of Alternate Performance Standard for Radon Resistant Construction Based on Short-Term/Long-Term Indoor Radon Concentrations. Volume 2. Appendices.
PB92-115229/REB 92-01 PC **A04**/MF **A01**

EPA/600/R-92/037
Development of an Empirical Model of Methane Emissions from Landfills.
PB92-152875/REB 92-01 PC **A06**/MF **A02**

EPA/600/7-91/006
Development of Seasonal and Annual Biogenic Emissions Inventories for the U.S. and Canada.
PB92-126796/REB 92-01 PC **A07**/MF **A02**

EPA/600/R-92/001
Documentation of AIRS AMS National Methodologies.
PB92-132869/REB 92-01 PC **A07**/MF **A02**

EPA/600/D-91/264
Effect of Natural Ventilation on Radon and Radon Progeny Levels in Houses.
PB92-124148/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-91/289
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PB92-124270/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-92/088
Effects of Building Features on Indoor Air and Pollutant Movements.
PB92-153808/REB 92-01 PC **A03**/MF **A01**

EPA/600/R-92/102
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PB92-192194/REB 92-01 PC **A04**/MF **A01**

EPA/600/J-92/226
Effects of Operating Variables on PAH Emissions and Mutagenicity of Emissions from Woodstoves (Journal Article).
PB92-195809/REB 92-01 PC **A02**/MF **A01**

EPA/600/D-91/243
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PB92-113109/REB 92-01 PC **A03**/MF **A01**

EPA/600/R-92/158
Energy Use of Ice Making in Domestic Refrigerators.
PB92-232206/REB 92-04 PC **A03**/MF **A01**

EPA/600/A-92/143
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PB92-198233/REB 92-04 PC **A02**/MF **A01**

EPA/600/J-92/048
EPA's Research Projects Relating to the Dual-Circuit and Lorenz Refrigerator/Freezers.
PB92-150630/REB 92-01 PC **A01**/MF **A01**

EPA/SW/DK-92/044
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PB92-169614/REB 92-04 PC **A05**/MF **A01**

EPA/600/D-91/261
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PB92-121276/REB 92-01 PC **A03**/MF **A01**

EPA/600/A-92/066
Evaluation of NOx Emissions from TVA Coal-Fired Power Plants.
PB92-164813/REB 92-01 PC **A03**/MF **A01**

EPA/600/D-91/244
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PB92-113117/REB 92-01 PC **A03**/MF **A01**

EPA/600/2-91/061
Evaluation of VOC Emissions from Heated Roofing Asphalt.
PB92-115286/REB 92-01 PC **A04**/MF **A01**

EPA/600/7-91/010
Experimental Investigation of PIC Formation in CFC Incineration.
PB92-126952/REB 92-01 PC **A06**/MF **A02**

EPA/600/A-92/021
Experimental Investigation of PIC Formation in CFC Incineration.
PB92-150432/REB 92-01 PC **A02**/MF **A01**

EPA/600/7-91/005
Field Performance of Woodburning and Coalburning Appliances in Crested Butte during the 1989-90 Heating Season.
PB92-106921/REB 92-01 PC **A08**/MF **A02**

EPA/600/D-91/246
Field Performance of Woodburning Stoves in Crested Butte, Colorado.
PB92-113133/REB 92-01 PC **A03**/MF **A01**

EPA/625/8-85/010
Fine Pore (Fine Bubble) Aeration Systems.
PB92-150366/REB 92-01 PC **A04**/MF **A01**

EPA/600/D-91/235
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PB92-108109/REB 92-01 PC **A03**/MF **A01**

EPA/600/D-91/257
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PB92-121235/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/046
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PB92-150614/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/267
Fuel Rich Sulfur Capture in a Combustion Environment.
PB92-205228/REB 92-04 PC **A02**/MF **A01**

EPA/600/A-92/149
Full-Scale Laboratory Simulation Facility to Test Particulate and Organic Emissions from a Third World Residential Combustion Process. III Evaluation of a Potential Technique for the Control of Emissions from the Indoor, Open Hearth Combustion of Coal.
PB92-206499/REB 92-04 PC **A03**/MF **A01**

EPA/600/A-92/159
Full-Scale Laboratory Simulation Facility to Test Particulate and Organic Emissions from a Third World Residential Combustion Process. 1. Facility Description and Results of Tests of Three Rural China Residential Coals, a U.S. Coal, and Wood.
PB92-206598/REB 92-04 PC **A03**/MF **A01**

EPA/600/A-92/101
Fuzzy Logic Control of AC Induction Motors.
PB92-180207/REB 92-01 PC **A02**/MF **A01**

EPA/600/R-92/005
Greenhouse Gases from Small-Scale Combustion in Developing Countries: A Pilot Study in Manila.
PB92-139369/REB 92-01 PC **A04**/MF **A01**

EPA/SW/DK-92/025A
Hazardous Air Pollutant Program (HAP-PRO). User's Manual (for Use with Version 1.0, January-September, 1990).
PB92-135904/REB 92-01 PC **A04**/MF **A01**

EPA/SW/DK-92/025
Hazardous Air Pollutant Program (HAP-PRO). Version 1 (for Microcomputers).
PB92-501212/REB 92-01 CP **D03**

EPA/600/R-92/125
HVAC Systems in the Current Stock of U.S. K-12 Schools.
PB92-218338/REB 92-04 PC **A04**/MF **A01**

EPA/600/R-92/006
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EPA/600/R-92/025
Indoor Air Quality Data Base for Organic Compounds.
PB92-158468/REB 92-01 PC **A04**/MF **A01**

EPA/600/R-92/116
Landfill Gas Energy Utilization: Technology Options and Case Studies.
PB92-203116/REB 92-04 PC **A09**/MF **A02**

EPA/600/A-92/170
Landfill Gas Recovery/Utilization: Options and Economics.
PB92-217066/REB 92-04 PC **A03**/MF **A01**

EPA/600/A-92/129
Landfill Gas Utilization: Options, Benefits, and Barriers.
PB92-195916/REB 92-01 PC **A03**/MF **A01**

EPA/600/2-91/057
Liquid and Gaseous Fuel Distribution System.
PB92-115203/REB 92-01 PC **A03**/MF **A01**

EPA/600/2-91/056
Manual for Non-CFC Aerosol Packaging: Conversion from CFC to Hydrocarbon Propellants.
PB92-101344/REB 92-01 PC **A10**/MF **A03**

EPA/600/7-91/009
Measurement and Prediction of the Resistivity of Ash/Sorbent Mixtures Produced by Sulfur Oxide Control Processes.
PB92-126812/REB 92-01 PC **A04**/MF **A01**

EPA/600/R-92/171
Mobile Air-Conditioning Recycling Manual.
PB92-235688/REB 92-04 PC **A08**/MF **A02**

EPA/600/J-91/318
Modeling Air Flow Dynamics in Radon Mitigation Systems: A Simplified Approach.
PB92-120427/REB 92-01 PC **A02**/MF **A01**

EPA/600/R-92/119
Modeling Radon Entry into Florida Houses with Concrete Slabs and Concrete-Block Stem Walls.
PB92-201128/REB 92-04 PC **A06**/MF **A02**

EPA/600/D-91/258
Modeling Wave Form Effects in ESPs: The Algorithm in ESPM and ESPVI.
PB92-121243/REB 92-01 PC **A03**/MF **A01**

EPA/600/R-92/127
Mutagenicity of Emissions from the Simulated Open Burning of Scrap Rubber Tires.
PB92-217009/REB 92-04 PC **A04**/MF **A01**

EPA/DF/DK-92/025
National Acid Precipitation Assessment Program (NAPAP) Emissions Inventory, 1985 (Version 2). Development of the Annual Data and Modelers' (for Microcomputers).
PB92-501139/REB 92-01 CP **D04**

EPA/600/R-92/059
Natural Basement Ventilation as a Radon Mitigation Technique.
PB92-166958/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/044
Near-Continuous Measurement of Hydrogen Sulfide and Carbonyl Sulfide by an Automatic Gas Chromatograph.
PB92-150598/REB 92-01 PC **A02**/MF **A01**

EPA/600/A-92/002
New Developments in Emission Projection Methodologies.
PB92-139393/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-91/286
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PB92-121433/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-91/284
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PB92-121417/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-91/285
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PB92-121425/REB 92-01 PC **A02**/MF **A01**

EPA/600/A-92/131
Novel Method of Reducing Transient Emissions from Rotary Kiln Incinerators through Modified Waste Packaging.
PB92-195932/REB 92-01 PC **A02**/MF **A01**

EPA/600/R-92/083
Oil and Gas Field Emissions Survey.
PB92-184977/REB 92-01 PC **A14**/MF **A03**

EPA/600/J-91/287
Oxidation and Devolatilization of Nitrogen in Coal Char.
PB92-121441/REB 92-01 PC **A02**/MF **A01**

EPA/600/8-91/200
Parametric Analysis of the Installation and Operating Costs of Active Soil Depressurization Systems for Residential Radon Mitigation.
PB92-116037/REB 92-01 PC **A07**/MF **A02**

EPA/600/A-92/132
Parametric Evaluation of Powdered Activated Carbon Injection for Control of Mercury Emissions from a Municipal Waste Combustor.
PB92-195940/REB 92-01 PC **A03**/MF **A01**

EPA/600/A-92/150
Physical Property Data on Fluorinated Propanes and Butanes as CFC and HCFC Alternatives.
PB92-206507/REB 92-04 PC **A03**/MF **A01**

EPA/600/A-92/128
Predictions of Azeotropes Formed from Fluorinated Ethers, Ethanes, and Propanes.
PB92-195908/REB 92-01 PC **A03**/MF **A01**

EPA/600/9-91/044
Proceedings of the Workshop on Radon Potential Mapping, Florida Radon Research Program. Held in Gainesville, Florida on April 20, 1990.
PB92-115278/REB 92-01 PC **A04**/MF **A01**

EPA/600/9-91/037A
Proceedings: The 1991 International Symposium on Radon and Radon Reduction Technology. Volume 1. Symposium Oral Papers Opening Session and Technical Sessions 1 through 5.
PB92-115351/REB 92-01 PC **A18**/MF **A04**

EPA/600/9-91/037B
Proceedings: The 1991 International Symposium on Radon and Radon Reduction Technology. Volume 2. Symposium Oral Papers Technical Sessions 6 through 10.
PB92-115369/REB 92-01 PC **A19**/MF **A04**

EPA/600/9-91/037C
Proceedings: The 1991 International Symposium on Radon and Radon Reduction Technology. Volume 3. Symposium Panel and Poster Papers Technical Sessions 1 through 5.
PB92-115377/REB 92-01 PC **A20**/MF **A04**

EPA/600/9-91/037D
Proceedings: The 1991 International Symposium on Radon and Radon Reduction Technology. Volume 4. Symposium Poster Papers Technical Sessions 6 through 10.
PB92-115385/REB 92-01 PC **A13**/MF **A03**

EPA/600/R-92/052A
Proceedings: 1989 International Conference on Municipal Waste Combustion. Volume 1. Sessions 0, 1, 2, and 3. Held in Hollywood, Florida, on April 11-14, 1989.
PB92-174663/REB 92-01 PC **A19**/MF **A04**

EPA/600/R-92/052B
Proceedings: 1989 International Conference on Municipal Waste Combustion. Volume 2. Sessions 4, 5, and 6. Held in Hollywood, Florida on April 11-14, 1989.
PB92-174671/REB 92-01 PC **A19**/MF **A04**

EPA/600/R-92/052C
Proceedings: 1989 International Conference on Municipal Waste Combustion. Volume 3. Sessions 7 and 8. Held in Hollywood, Florida, on April 11-14, 1989.
PB92-174689/REB 92-01 PC **A19**/MF **A04**

EPA/600/R-92/052B
Proceedings: 1989 International Conference on Municipal Waste Combustion. Volume 4. Sessions 9, 10, 11, and 12. Held in Hollywood, Florida on April 11-14, 1989.
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PB92-239532/REB 92-04 PC **A05**/MF **A01**

EPA/600/A-92/084
Distribution, Speciation, and Transformation of Chromium in Contaminated Soils and Aquifer Sediments.
PB92-179092/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-91/241
Effect of Nitrate Addition on Biorestoration of Fuel-Contaminated Aquifer: Field Demonstration.
PB92-110444/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-91/239
Effect of Sodium Chloride on Transport of Bacteria in a Saturated Aquifer Material.
PB92-110428/REB 92-01 PC **A02**/MF **A01**

EPA/600/A-92/088
Effect of the Geochemical Environment on Heavy-Metal Transport in Ground Water.
PB92-179134/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/026
Effects of pH, Solid/Solution Ratio, Ionic Strength, and Organic Acids on Pb and Cd Sorption on Kaolinite.
PB92-143981/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-92/029
Evaluation of Hydraulic Conductivities Calculated from Multiport-Permeameter Measurements.
PB92-144013/REB 92-01 PC **A03**/MF **A01**

EPA/540/S-92/004
Evaluation of Soil Venting Application. Ground Water Issue.
PB92-232362/REB 92-04 PC **A02**/MF **A01**

EPA/600/J-91/257
Evaluation of Sorption Models in the Simulation of Naphthalene Transport Through Saturated Soils.
PB92-113190/REB 92-01 PC **A02**/MF **A01**

EPA/600/A-92/119
Exposure Assessment Modeling for Hydrocarbon Spills into the Subsurface: Sensitivity to Soil Properties.
PB92-191147/REB 92-01 PC **A03**/MF **A01**

EPA/600/M-91/040
Facilitated Transport of Inorganic Contaminants in Ground Water: Part 2. Colloidal Transport.
PB92-114503/REB 92-01 PC **A03**/MF **A01**

EPA/540/S-92/005
Fundamentals of Ground-Water Modeling. Ground Water Issue.
PB92-232354/REB 92-04 PC **A03**/MF **A01**

EPA/600/R-92/002
General Methods for Remedial Operations Performance Evaluations.
PB92-166842/REB 92-01 PC **A03**/MF **A01**

EPA/600/2-91/064
Identification of Sources of Ground-Water Salinization Using Geochemical Techniques.
PB92-119650/REB 92-01 PC **A12**/MF **A03**

EPA/600/D-91/256
Laboratory and Field Studies on BTEX Biodegradation in a Fuel-Contaminated Aquifer under Denitrifying Conditions.
PB92-121227/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/235
Landfill Leachate Effects on Sorption of Organic Micropollutants onto Aquifer Materials.
PB92-198597/REB 92-04 PC **A03**/MF **A01**

EPA/600/A-92/142
Landfill Leachate Effects on Transport of Organic Substances in Aquifer Materials (Chapter 16).
PB92-198225/REB 92-04 PC **A03**/MF **A01**

EPA/600/J-92/307
Metals in Ground Water: Sampling Artifacts and Reproducibility.
PB92-227479/REB 92-04 PC **A03**/MF **A01**

EPA/600/R-92/042
Methodologies for Evaluating In situ Bioremediation of Chlorinated Solvents.
PB92-146943/REB 92-01 PC **A05**/MF **A02**

EPA/600/J-92/139
Microbial Degradation of Toluene under Sulfate-Reducing Conditions and the Influence of Iron on the Process.
PB92-166735/REB 92-01 PC **A02**/MF **A01**

EPA/600/A-92/024
Microbial Transport through Porpus Media: The Effects of Hydraulic Conductivity and Injection Velocity.
PB92-150465/REB 92-01 PC **A03**/MF **A01**

EPA/600/2-91/062
Model of Virus Transport in Unsaturated Soil.
PB92-119957/REB 92-01 PC **A07**/MF **A02**

EPA/600/A-92/086
Modeling Contaminant Transport through Subsurface Systems.
PB92-179118/REB 92-01 PC **A03**/MF **A01**

EPA/600/S-92/002
Multiphase Chemical Transport in Porous Media.
PB92-205640/REB 92-04 PC **A03**/MF **A01**

EPA/600/A-92/156
New Two-Phase Flow and Transport Model with Interphase Mass Exchange.
PB92-206564/REB 92-04 PC **A03**/MF **A01**

Optimal Adaptive Local Grid Refinement Approach to Modeling Contaminant Transport.
PB92-217314/REB 92-04 PC **A03**/MF **A01**

EPA/600/J-91/288
Optimizing BTEX Biodegradation under Denitrifying Conditions.
PB92-124262/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-91/238
Oxidation-Reduction Capacities of Aquifer Solids.
PB92-110410/REB 92-01 PC **A02**/MF **A01**

EPA/600/A-92/157
Parallel Groundwater Computations Using PVM.
PB92-206572/REB 92-04 PC **A03**/MF **A01**

EPA/540/4-89/005
Performance Evaluations of Pump-and-Treat Remediations.
PB92-114461/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/027
Prediction of the Solubility of Hydrophobic Compounds in Nonideal Solvent Mixtures.
PB92-143999/REB 92-01 PC **A03**/MF **A01**

EPA/600/D-91/247
Reduction of Hexachloroethane and Carbon Tetrachloride at Surfaces of Biotite, Vermiculite, Pyrite, and Marcasite.
PB92-113141/REB 92-01 PC **A03**/MF **A01**

EPA/600/A-92/076
Reductive Dechlorination of Trichloroethylene in Anoxic Aquifer Material from Picatinny Arsenal, New Jersey.
PB92-179019/REB 92-01 PC **A02**/MF **A01**

EPA/600/2-91/043
Regional Assessment of Aquifer Vulnerability and Sensitivity in the Conterminous United States.
PB92-100148/REB 92-01 PC **A15**/MF **A03**

EPA/600/2-91/065
RETC Code for Quantifying the Hydraulic Functions of Unsaturated Soils. Documentation.
PB92-119668/REB 92-01 PC **A05**/MF **A01**

EPA/SW/DK-92/038
RETC Code for Quantifying the Hydraulic Functions of Unsaturated Soils (for Microcomputers).
PB92-501329/REB 92-01 CP **D02**

EPA/600/J-91/240
Sampling of Contaminated Sites.
PB92-110436/REB 92-01 PC **A02**/MF **A01**

EPA/600/A-92/087
Spatial Variability of Geochemical and Hydrologic Properties of Subsurface Materials in a Sand and Gravel Aquifer, Cape Cod, Massachusetts.
PB92-179126/REB 92-01 PC **A02**/MF **A01**

EPA/600/A-92/068
Stability and Transport of Inorganic Colloids through Contaminated Aquifer Material.
PB92-164839/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-92/266
Stimulation of Reductive Dechlorination of Tetrachloroethene in Anaerobic Aquifer Microcosms by Addition of Short-Chain Organic Acids or Alcohols.
PB92-206465/REB 92-04 PC **A01**/MF **A01**

EPA/600/A-92/118
Surface-Charge Repulsive Effects on the Mobility of Inorganic Colloids in Surface Systems. Annual Colloid and Surface Science Symposium (65th). Held in Norman, Oklahoma on June 17-19, 1991.
PB92-191139/REB 92-01 PC **A03**/MF **A01**

EPA/600/A-92/117
Surfactant-Enhanced Solubilization of Tetrachloroethylene and Degradation Products in Pump and Treat Remediation.
PB92-191121/REB 92-01 PC **A03**/MF **A01**

EPA/600/2-91/006
Techniques to Determine Spatial Variations in Hydraulic Conductivity of Sand and Gravel.
PB92-109123/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/113
Transport of Inorganic Colloids through Natural Aquifer Material: Implications for Contaminant Transport.
PB92-158690/REB 92-01 PC **A02**/MF **A01**

OFFICE OF MONITORING SYSTEMS AND QUALITY ASSURANCE (OMSQA)

EPA/600/R-92/098
Andrew W. Breidenbach Environmental Research Center Small Systems Resource Directory.
PB92-239565/REB 92-04 PC **A04**/MF **A01**

EPA/600/A-92/163
At the Threshold: A National Consensus Quality Systems Standard for Environmental Programs, 1992.
PB92-209295/REB 92-04 PC **A03**/MF **A01**

EPA/600/A-92/011
Development of a National Consensus Standard for Quality Assurance for Environmental Programs.
PB92-143783/REB 92-01 PC **A03**/MF **A01**

Dynamic Toxics Wasteload Allocation Model (DINTOX). User's Manual.
PB92-231570/REB 92-04 PC **A05**

EPA/600/M-91/051
EMPA Monitor - March 1992 Edition.
PB92-239557/REB 92-04 PC **A03**/MF **A01**

EPA's Review and Approval Procedure for State Submitted TMDLs/WLAs.
PB92-231588/REB 92-04 PC **A03**/MF **A01**

EPA/440/4-85/031
Guidance for State Water Monitoring and Wasteload Allocation Programs.
PB92-231612/REB 92-04 PC **A04**/MF **A01**

EPA/600/J-92/196
Measurement of the Biotransfer and Time Constant of Radon from Ingested Water by Human Breath Analysis.
PB92-189026/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/002
Observations on Studies Useful to Asbestos Operations and Management Activities.
PB92-136660/REB 92-01 PC **A03**/MF **A01**

EPA/600/A-92/012
Quality and Environmental Protection: The EPA QA Program.
PB92-143791/REB 92-01 PC **A02**/MF **A01**

EPA/810/B-92/003
Quality Assurance Plan for the National Pesticide Survey of Drinking Water Wells: Analytical Method 2 - Chlorinated Pesticides.
PB92-168525/REB 92-04 PC **A08**

EPA/810/B-92/001
Quality Assurance Project Plan for the National Pesticide Survey of Drinking Water Wells.
PB92-168509/REB 92-04 PC **A07**/MF **A02**

EPA/810/B-92/010
Quality Assurance Project Plan for the National Pesticide Survey of Drinking Water Wells: Analytical Method 1.
PB92-168590/REB 92-04 PC **A08**/MF **A02**

EPA/810/B-92/002
Quality Assurance Project Plan for the National Pesticide Survey of Drinking Water Wells: Analytical Method 1 - Nitrogen/Phosphorous Pesticides and Analytical Method 3 - Chlorinated Acid Herbicides.
PB92-168517/REB 92-04 PC **A12**/MF **A03**

EPA/810/B-92/011
Quality Assurance Project Plan for the National Pesticide Survey of Drinking Water Wells: Analytical Method 3.
PB92-168608/REB 92-04 PC **A09**/MF **A02**

EPA/810/B-92/005
Quality Assurance Project Plan for the National Pesticide Survey of Drinking Water Wells: Analytical Method 5 - Methyl Carbamates.
PB92-168541/REB 92-04 PC **A06**/MF **A02**

EPA/810/B-92/006
Quality Assurance Project Plan for the National Pesticide Survey of Drinking Water Wells: Analytical Method 6.
PB92-168558/REB 92-04 PC **A07**/MF **A02**

EPA/810/B-92/012
Quality Assurance Project Plan for the National Pesticide Survey of Drinking Water Wells: Analytical Method 6 - Ethylene Thiourea.
PB92-168616/REB 92-04 PC **A07**/MF **A02**

EPA/810/B-92/007
Quality Assurance Project Plan for the National Pesticide Survey of Drinking Water Wells: Analytical Method 7 - Fumigants.
PB92-168566/REB 92-04 PC **A06**/MF **A02**

EPA/810/B-92/008
Quality Assurance Project Plan for the National Pesticide Survey of Drinking Water Wells: Analytical Method 9 - Nitrate and Nitrite.
PB92-168574/REB 92-04 PC **A05**/MF **A01**

EPA/810/B-92/013
Quality Assurance Project Plan for the National Pesticide Survey of Drinking Water Wells: Hydrogeologic Characterization and Second-Stage Stratification Activities.
PB92-168624/REB 92-04 PC **A08**/MF **A02**

EPA/810/B-92/009
Quality Assurance Project Plan for the National Pesticide Survey of Drinking Water Wells Referee Analyses for Analytical Method 2 - Organochlorine Pesticides, Analytical Method 4 - Carbamates, Method 5 - Methylcarbamates, Method 7 - Fumigants, and Method 9 - Nitrate/Nitrite.
PB92-168582/REB 92-04 PC **A11**/MF **A03**

EPA/810/B-92/015
Quality Assurance Project Plan for the National Pesticide Survey of Drinking Water Wells: Survey Statistics, Data Collection and Processing.
PB92-168640/REB 92-04 PC **A04**/MF **A01**

EPA/810/B-92/014
Quality Assurance Project Plan for the National Survey of Pesticides in Drinking Water Wells: Well Sampling, Data Collection and Processing.
PB92-168632/REB 92-04 PC **A07**/MF **A02**

EPA/540/K-92/001
Radioactive Site Remediation Technologies Seminar. Speaker Slide Copies.
PB92-231174/REB 92-04 PC **A04**/MF **A01**

OFFICE OF EXPLORATORY RESEARCH (OER)

EPA-21R-1005
Hazardous Substance Research Centers Program. Program Summary FY 1991. Office of Exploratory Research.
PB92-224419/REB 92-04 PC **A12**/MF **A03**

OFFICE OF HEALTH AND ENVIRONMENTAL ASSESSMENT (OHEA)

EPA/625/3-91/019F
Alpha2u-Globulin: Association with Chemically Induced Renal Toxicity and Neoplasia in the Male Rat.
PB92-143668/REB 92-01 PC **A07**/MF **A02**

EPA/600/J-92/007
Consideration of Pharmacokinetics and Temporal Sensitivity for Hydroxyurea in Relation to Teratogenic Potential.
PB92-136910/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/238
Consideration of the Target Organ Toxicity of Trichloroethylene in Terms of Metabolite Toxicity and Pharmacokinetics.
PB92-198621/REB 92-04 PC **A06**/MF **A02**

EPA/600/J-92/239
Control of Alkaline Phosphatase Activity in C3H10T1/2 Cells: Role of Retinoic Acid and Cell Density.
PB92-198639/REB 92-04 PC **A03**/MF **A01**

EPA/600/8-91/011B
Dermal Exposure Assessment: Principles and Applications.
PB92-205665/REB 92-04 PC **A17**/MF **A04**

EPA/600/R-92/085
Developmental Toxicology: Risk Assessment and the Future.
PB92-184993/REB 92-01 PC **A13**/MF **A03**

EPA/600/8-91/217
Health Assessment Document for Talc.
PB92-239524/REB 92-04 PC **A04**/MF **A01**

EPA/600/8-91/031
Methodology for Assessing Environmental Releases of and Exposure to Municipal Solid Waste Combustor Residuals.
PB92-109149/REB 92-01 PC **A07**/MF **A02**

EPA/625/3-91/022
Peer Review Workshop Report on a Framework for Ecological Risk Assessment.
PB92-213198/REB 92-04 PC **A06**/MF **A02**

EPA/600/R-92/047
Reference Guide to Odor Thresholds for Hazardous Air Pollutants Listed in the Clean Air Act Amendments of 1990.
PB92-239516/REB 92-04 PC **A05**/MF **A01**

EPA/625/3-91/021
Report of the EPA Peer Review Workshop on Alpha2U-Globulin: Association with Renal Toxicity and Neoplasia in the Male Rat. Held in Gaithersburg, MD. on November 13-14, 1990.
PB92-166826/REB 92-01 PC **A05**/MF **A01**

EPA/600/6-90/006B
Respiratory Health Effects of Passive Smoking: Lung Cancer and Other Disorders.
PB92-182344/REB 92-04 PC **A24**/MF **A04**

EPA/600/J-92/237
Review of Di(2-Ethylhexyl)Phthalate (DEHP) Risk Assessments.
PB92-198613/REB 92-04 PC **A03**/MF **A01**

EPA/600/8-91/053
Upper-Bound Quantitative Cancer Risk Estimate for Populations Adjacent to Sulfur Mustard Incineration Facilities.
PB92-137207/REB 92-01 PC **A03**/MF **A01**

EPA/600/A-92/020
What Can Be Learnt from Protocols Relating to Non-Pharmaceuticals.
PB92-150424/REB 92-01 PC **A03**/MF **A01**

EPA/625/3-91/020
Workshop Report on Toxicity Equivalency Factors for Polychlorinated Biphenyl Congeners. Risk Assessment Forum.
PB92-114529/REB 92-01 PC **A05**/MF **A02**

ENVIRONMENTAL CRITERIA AND ASSESSMENT OFFICE - RTP/Cinn (ECAO)

Drinking Water Criteria Document for Beryllium.
PB92-173301/REB 92-01 PC **A08**/MF **A02**

Drinking Water Criteria Document for Cyanide.
PB92-173319/REB 92-01 PC **A08**/MF **A02**

Drinking Water Criteria Document for Endrin.
PB92-173384/REB 92-01 PC **A10**/MF **A03**

Drinking Water Criteria Document for Hexachlorobenzene.
PB92-173400/REB 92-01 PC **A10**/MF **A03**

Drinking Water Criteria Document for Hexachlorocyclopentadiene.
PB92-173418/REB 92-01 PC **A06**/MF **A02**

Drinking Water Criteria Document for Phthalic Acid Esters (PAES).
PB92-173442/REB 92-01 PC **A14**/MF **A03**

Drinking Water Criteria Document for Polycyclic Aromatic Hydrocarbons (PAHs).
PB92-173459/REB 92-01 PC **A20**/MF **A04**

Drinking Water Criteria Document for Trichlorobenzenes.
PB92-173491/REB 92-01 PC **A05**/MF **A01**

Drinking Water Quantification of Toxicologic Effects for Nickel.
PB92-173426/REB 92-01 PC **A05**/MF **A01**

EPA/600/6-91/006
Preliminary Risk Assessment for Bacteria in Municipal Sewage Sludge Applied to Land.
PB92-126820/REB 92-01 PC **A10**/MF **A03**

EPA/600/R-92/064
Preliminary Risk Assessment for Viruses in Municipal Sewage Sludge Applied to Land.
PB92-198548/REB 92-01 PC **A09**/MF **A03**

OFFICE OF WATER AND HAZARDOUS MATERIALS

EPA/440/5-89/002
Briefing Report to the EPA Science Advisory Board on the Equilibrium Partitioning Approach to Generating Sediment Quality Criteria.
PB92-231521/REB 92-04 PC **A08**/MF **A02**

EPA/440/1-82/029
Development Document for Effluent Limitations Guidelines and Standards and Pretreatment Standards for the Steam Electric: Point Source Category.
PB92-226422/REB 92-04 PC **A99**/MF **A06**

EPA/440/1-79/078B
Development Document for Effluent Limitations Guidelines and Standards for the Gum and Wood Chemicals Manufacturing, Point Source Category.
PB92-232040/REB 92-04 PC **A12**/MF **A03**

EPA/440/1-84/075
Development Document for Effluent Limitations. Guidelines for the Electrical and Electronic Components. Point Source Category. Phase 2.
PB92-232016/REB 92-04 PC **A09**/MF **A02**

EPA/440/1-75/046
Development Document for Interim Final and Proposed Effluent Limitations Guidelines and New Source Performance Standards for the Fruits, Vegetables and Specialties. Segment of the Canned and Preserved Fruits and Vegetables. Point Source Category.
PB92-232065/REB 92-04 PC **A23**/MF **A04**

EPA/440/1-76/047A
Development Document for Interim Final and Proposed Effluent Limitations Guidelines and Proposed New Source Performance Standards for the Bleached Kraft, Groundwood, Sulfite, Soda, Deink, and Non-Integrated Paper Mills. Point Source Category. Volume 2. Sections 8 - 15.
PB92-231562/REB 92-04 PC **A13**/MF **A03**

EPA/440/1-76/047A
Development Document for Interim Final and Proposed Effluent Limitations Guidelines and Proposed New Source Performance Standards for the Bleached Kraft, Groundwood, Sulfite, Soda, Deink and Non-Integrated Paper Mills. Volume 1. Segment of the Pulp, Paper, and Paperboard. Point Source Category. Group 1. Phase 2.
PB92-231869/REB 92-04 PC **A20**/MF **A04**

EPA/440/1-75/038
Development Document for Interim Final Effluent Limitations Guidelines and Proposed New Source Performance Standards for the Calcium Carbide Segment of the Ferroally Manufacturing. Point Source Category. Group 1, Phase 2.
PB92-231919/REB 92-04 PC **A05**/MF **A01**

EPA/440/1-76/060J
Development Document for Interim Final Effluent Limitations Guidelines and Proposed New Source Performance Standards for the Explosives Manufacturing. Point Source Category. Group 2.
PB92-231950/REB 92-04 PC **A11**/MF **A03**

EPA/440/1-75/044
Development Document for Interim Final Effluent Limitations Guidelines and Proposed New Source Performance Standards for the Raw Cane Sugar Processing. Segment of the Sugar Processing. Point Source Category. Group 1, Phase 2.
PB92-231968/REB 92-04 PC **A14**/MF **A03**

Development Document for Proposed Effluent Limitations Guidelines and Standards for Control of Polychlorinated Biphenyls in the Deink Subcategory of the Pulp, Paper and Paperboard. Point Source Category.
PB92-231984/REB 92-04 PC **A05**/MF **A01**

EPA/440/1-79/076B
Development Document for Proposed Effluent Limitations Guidelines and Standards for the Shipbuilding and Repair. Point Source Category.
PB92-232032/REB 92-04 PC **A07**/MF **A02**

EPA/440/1-75/043A
Developmental Document for Effluent Limitations Guidelines and New Source Performance Standards for the Other Non-Fertilizer Phosphate Chemicals Segment of the Phosphate Manufacturing. Point Source Category. Group 1, Phase 2.
PB92-231992/REB 92-04 PC **A06**/MF **A02**

EPA/440/1-78/090
Guidance Development Document for Effluent Limitations Guidelines and New Source Performance Standards for the Concrete Products. Point Source Category.
PB92-231943/REB 92-04 PC **A08**/MF **A02**

Guidance Document for Effluent Discharges from the Auto and Other Laundries. Point Source Category.
PB92-231927/REB 92-04 PC **A09**/MF **A03**

Guidance Manual for Pulp, Paper, and Paperboard and Builders' Paper and Board Mills Pretreatment Standards.
PB92-231636/REB 92-04 PC **A04**/MF **A01**

Health Advisory for 2,4- and 2,6-Dinitrotoluene (DNT).
PB92-189315/REB 92-01 PC **A10**/MF **A03**

EPA/840/B-92/001
Office of Wetlands, Oceans and Watersheds Publications.
PB92-224310/REB 92-04 PC **A03**/MF **A01**

EPA/440/1-83/400
Summary of Available Information on the Levels and Control of Toxic Pollutants Discharges in the Printing and Publishing. Point Source Category.
PB92-231703/REB 92-04 PC **A08**/MF **A02**

EPA/440/1-78/031E
Supplement of Development Document Effluent Limitations, Guidelines New Source Performance Standards Reprint for the Renderer Segment of the Meat Products and Rendering. Point Source Category.
PB92-232008/REB 92-04 PC **A04**/MF **A01**

WATER PLANNING AND STANDARDS

Compilation of Water Quality Standards for Marine Waters.
PB92-231836/REB 92-04 PC **A99**

EPA/506/6-90/003
Contaminated Sediments: Relevant Statutes and EPA Program Activities.
PB92-231547/REB 92-04 PC **A07**/MF **A02**

Cost-Effectiveness Analysis of Effluent Standards and Limitations for Battery Manufacturing.
PB92-231893/REB 92-04 PC **A03**/MF **A01**

EPA/440/2-84/002
Economic Impact Analysis of Effluent Limitations and Standards for the Battery Manufacturing Industry.
PB92-231901/REB 92-04 PC **A08**/MF **A02**

Environmental Profiles and Hazard Indices for Constituents of Municipal Sludge: Beryllium.
PB92-122993/REB 92-01 PC **A03**/MF **A01**

Environmental Profiles and Hazard Indices for Constituents of Municipal Sludge: DDT/DDE/DDD.
PB92-150408/REB 92-01 PC **A05**/MF **A01**

Environmental Profiles and Hazard Indices for Constituents of Municipal Sludge: Lead.
PB92-122985/REB 92-01 PC **A05**/MF **A01**

Environmental Profiles and Hazard Indices for Constituents of Municipal Sludge: Mercury.
PB92-122977/REB 92-01 PC **A05**/MF **A01**

Environmental Profiles and Hazard Indices for Constituents of Municipal Sludge: Nickel.
PB92-123009/REB 92-01 PC **A05**/MF **A01**

Guidance for State Implementation of Water Quality Standards for CWA Section 303(C)(2)(B).
PB92-231604/REB 92-04 PC **A03**/MF **A01**

Guide for the Application of Effluent Limitations Guidelines for the Petroleum Refining Industry.
PB92-232057/REB 92-04 PC **A11**/MF **A03**

EPA/440/5-88/089
Introduction to Water Quality Standards.
PB92-231646/REB 92-04 PC **A03**/MF **A01**

EPA/506/6-90/002
Managing Contaminated Sediments. EPA Decision-Making Processes.
PB92-231653/REB 92-04 PC **A04**/MF **A01**

Method 1624: Volatile Organic Compounds by Isotope Dilution GCMS; Method 1625: Semivolatile Organic Compounds by Isotope Dilution GCMS.
PB92-231976/REB 92-04 PC **A05**/MF **A01**

Sediment Classification Methods Compendium.
PB92-231679/REB 92-04 PC **A13**/MF **A03**

Status Report: State Compliance with CWA Section 303(c)(2)(B) as of February 4, 1990.
PB92-231695/REB 92-04 PC **A05**/MF **A01**

EPA/440/4-87/002
Technical Guidance Manual for Performing Waste Load Allocations. Book 4. Lakes, Reservoirs and Impoundments. Chapter 3: Toxic Substances Impact.
PB92-231760/REB 92-04 PC **A14**/MF **A03**

Technical Guidance Manual for Performing Waste Load Allocations: Simplified Analytical Method for Determining NPDES Effluent Limitations for POTWs Discharging into Low-Flow Streams.
PB92-231786/REB 92-04 PC **A04**/MF **A01**

Technical Guidance on Supplementary Stream Design Conditions for Steady State Modeling.
PB92-231844/REB 92-04 PC **A05**/MF **A01**

Technical Support Manual: Waterbody Surveys and Assessments for Conducting Use Attainability Analyses.
PB92-231794/REB 92-04 PC **A10**/MF **A03**

Technical Support Manual: Waterbody Surveys and Assessments for Conducting Use Attainability Analyses. Volume 2: Estuarine Systems.
PB92-231877/REB 92-04 PC **A09**/MF **A02**

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Citizen Monitoring: Recommendations to Household Well Users.
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EPA/570/9-90/005
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PB92-231539/REB 92-04 PC **A04**/MF **A01**

EPA/821/R-92/004
Cost-Effectiveness Analysis of Proposed Effluent Limitations Guidelines and Standards for the Pesticide Manufacturing Industry.
PB92-173525/REB 92-01 PC **A03**/MF **A01**

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PB92-173392/REB 92-01 PC **A03**/MF **A01**

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Drinking Water from Household Wells.
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Drinking Water Health Advisory Antimony.
PB92-135433/REB 92-01 PC **A03**/MF **A01**

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PB92-231620/REB 92-04 PC **A04**/MF **A01**

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PB92-164722/REB 92-01 PC **A04**/MF **A01**

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EPA/570/9-89/001
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Proceedings of a Conference: Water Quality Standards for the 21st Century. Held in Arlington, Virginia, on December 10-12, 1990.
PB92-231828/REB 92-04 PC **A12**/MF **A03**

Proceedings of a National Conference: Water Quality Standards for the 21st Century. Held in Dallas, Texas on March 1-3, 1989.
PB92-231810/REB 92-04 PC **A11**/MF **A03**

EPA/440/5-91/005
Proceedings of a Symposium: Biological Criteria Research and Regulation. Held in Arlington, Virginia on December 12-13, 1990.
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EPA/570/9-89/008
Protecting Our Drinking Water from Microbes.
PB92-140581/REB 92-01 PC **A03**/MF **A01**

Quantification of Toxicological Effects for Dichloromethane.
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Reference Guide to Water Quality Standards for Indian Tribes.
PB92-231661/REB 92-04 PC **A03**/MF **A01**

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PB92-233063/REB 92-04 PC **A03**/MF **A01**

EPA/822/B-91/001
Special Interest Group (SIG) Forum for Fish Consumption Risk Management. User's Manual, v.1.0: A Division of the Nonpoint Source Information Exchange Computer Bulletin Board System (NPS BBS).
PB92-231687/REB 92-04 PC **A04**/MF **A01**

EPA/570/9-91/005
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Technical Guidance Manual for Performing Waste Load Allocations. Book 3: Estuaries. Part 3: Use of Mixing Zone Models in Estuarine Waste Load Allocations.
PB92-231745/REB 92-04 PC **A03**/MF **A01**

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Technical Guidance Manual for Performing Wasteload Allocation. Book 6. Design Conditions. Chapter 1: Stream Design Flow for Steady-State Modeling.
PB92-231778/REB 92-04 PC **A04**/MF **A01**

EPA/503/8-92/002
U.S. EPA Nonpoint Source Information Exchange Computer Bulletin Board System (BBS). User's Manual.
PB92-228048/REB 92-04 PC **A04**/MF **A01**

EPA/503/9-92/002
Watershed Protection Approach: An Overview.
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PB92-140599/REB 92-01 PC **A03**/MF **A01**

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Handbook of State Management Practices, July 1984.
PB92-164755/REB 92-01 PC **A08**/MF **A02**

EPA/570/9-90/008A
Manual for the Certification of Laboratories Analyzing Drinking Water. Criteria and Procedures Quality Assurance. Third Edition. Change 1.
PB92-150390/REB 92-01 PC **A03**/MF **A01**

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Manual of Small Public Water Supply Systems.
PB92-117936/REB 92-01 PC **A10**/MF **A03**

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Air/Superfund National Technical Guidance Study Series. Guideline for Predictive Baseline Emissions Estimation Procedures for Superfund Sites.
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EPA/450/1-92/003
Air Superfund National Technical Guidance Study Series. Screening Procedures for Estimating the Air Impacts of Incineration at Superfund Sites.
PB92-171917/REB 92-01 PC **A04**/MF **A01**

EPA/DF/DK-92/049
Staten Island/New Jersey Urban Air Toxics Assessment Project. Quarterly and Summary Data (for Microcomputers). October 1987-March 1991.
PB92-504174/REB 92-04 CP **D02**

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Chesapeake Bay Basin Comprehensive List of Toxic Substances.
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Chesapeake Bay Citizen Monitoring Program Report Conestoga River (October 1986-June 1990).
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Chesapeake Bay Striped Bass Fishery Management Plan: Chesapeake Bay Program. Annual Progress Report from the Chesapeake Executive Council.
PB92-186428/REB 92-01 PC **A03**/MF **A01**

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EPA/910/9-91/041
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Development of Seasonal and Annual Biogenic Emissions Inventories for the U.S. and Canada.
(EPA/600/7-91/006)
PB92-126796/REB 92-01 PC **A07**/MF **A02**

Guidelines for Asbestos NESHAP Demolition and Renovation Inspection Procedures.
(EPA/340/1-90/007)
PB92-132836/REB 92-01 PC **A07**/MF **A02**

Seasonal and Annual Biogenic Emission Inventories for the U.S. and Canada.
(EPA/600/A-92/005)
PB92-139427/REB 92-01 PC **A03**/MF **A01**

AMERICAN HONDA MOTOR CO., INC., GARDENA, CA.

Application for Certification 1990 Model Year Light-Duty Vehicles - Honda.
(EPA/460/A-90/34)
PB92-127976/REB 92-01 PC **A22**/MF **A04**

Application for Certification 1991 Model Year Light-Duty Vehicles - American Honda.
(EPA/460/A-91/19)
PB92-128032/REB 92-01 PC **A99**/MF **E08**

AMERICAN HONDA MOTOR CO., INC., TORRANCE, CA.

Application for Certification 1992 Model Year Light-Duty Vehicles - Honda.
(EPA/460/A-92/12)
PB92-122332/REB 92-01 PC **A99**/MF **A06**

AMERICAN SCIENTIFIC INTERNATIONAL, INC., MCLEAN, VA.

Test of Criteria for Introduced Species: The Global Invasion by the Isopod 'Synidotea laevidorsalis' (Miers, 1881).
(EPA/600/J-91/232, ERLN-NX11)
PB92-108018/REB 92-01 PC **A03**/MF **A01**

AMERICAN WATER WORKS ASSOCIATION RESEARCH FOUNDATION, DENVER, CO.

Handbook of State Management Practices, July 1984.
(EPA/570/9-85/2)
PB92-164755/REB 92-01 PC **A08**/MF **A02**

APS-MATERIALS, INC., DAYTON, OH.

Chemical Substitution for 1,1,1,-Trichloroethane and Methanol in an Industrial Cleaning Operation.
(EPA/600/J-92/162)
PB92-179886/REB 92-01 PC **A03**/MF **A01**

AQUA TERRA CONSULTANTS, MOUNTAIN VIEW, CA.

Modeling of Nonpoint Source Water Quality in Urban and Non-urban Areas.
(EPA/600/3-91/039)
PB92-109115/REB 92-01 PC **A05**/MF **A01**

ARIZONA UNIV., TUCSON. DIV. OF RESPIRATORY SCIENCES.

Deposition Patterns of Ragweed Pollen in the Human Respiratory Tract.
(EPA/600/J-92/312)
PB92-227537/REB 92-04 PC **A02**/MF **A01**

ARKANSAS UNIV., FAYETTEVILLE. DEPT. OF PLANT PATHOLOGY.

Preparation and Regeneration of Protoplasts of 'Colletotrichum gloeosporioides' f. p. 'Aeschynomene'.
(EPA/600/J-92/216)
PB92-195734/REB 92-01 PC **A02**/MF **A01**

ASCI CORP., ATHENS, GA.

Application of a Water Quality Assessment Modeling System at a Superfund Site.
(EPA/600/3-91/046)
PB92-164490/REB 92-01 PC **A05**/MF **A01**

Temperature and Conductivity Modeling for the Buffalo River.
(EPA/600/J-92/243)
PB92-206226/REB 92-04 PC **A03**/MF **A01**

BABCOCK AND WILCOX CO., BARBERTON, OH.

Demonstration of Sorbent Injection Technology on a Wall-Fired Utility Boiler (Edgewater Limb Demonstration).
(EPA/600/R-92/115)
PB92-201136/REB 92-04 PC **A10**/MF **A03**

BATTELLE, ARLINGTON, VA.

Biological Criteria: Guide to Technical Literature.
(EPA/440/5-91/004)
PB92-231489/REB 92-04 PC **A07**/MF **A02**

BATTELLE COLUMBUS DIV., OH.

Automotive and Heavy-Duty Engine Coolant Recycling by Distillation: Technology Evaluation Report.
(EPA/600/R-92/024)
PB92-153444/REB 92-01 PC **A05**/MF **A01**

BATTELLE, COLUMBUS, OH.

Automotive and Heavy-Duty Engine Coolant Recycling by Filtration. Technology Evaluation Report.
(EPA/600/2-91/066)
PB92-126804/REB 92-01 PC **A05**/MF **A01**

Diagnostic Evaluation of Regional Acid Deposition Model (RADM) Performance during a Period of Frontal Passage Using Aircraft Measurements.
(EPA/600/A-92/032)
PB92-152958/REB 92-01 PC **A06**/MF **A02**

Phase Distributions of Airborne Polycyclic Aromatic Hydrocarbons in Two U.S. Cities.
PB92-164979/REB 92-01 PC **A03**/MF **A01**

Polycyclic Aromatic Hydrocarbons and Their Derivatives in Indoor and Outdoor Air in an Eight-Home Study.
(EPA/600/J-92/136)
PB92-166701/REB 92-01 PC **A03**/MF **A01**

Theoretical Evaluation of Stability of Volatile Organic Chemicals and Polar Volatile Organic Chemicals in Canisters.
(EPA/600/R-92/055)
PB92-166941/REB 92-01 PC **A03**/MF **A01**

Quality Assurance Project Plan for the National Pesticide Survey of Drinking Water Wells: Analytical Method 6 - Ethylene Thiourea.
(EPA/810/B-92/012)
PB92-168616/REB 92-04 PC **A07**/MF **A02**

Sampling Polycyclic Aromatic Hydrocarbons and Related Semivolatile Organic Compounds in Indoor Air.
(EPA/600/A-92/147)
PB92-198274/REB 92-04 PC **A03**/MF **A01**

Facility Pollution Prevention Guide.
(EPA/600/R-92/088)
PB92-213206/REB 92-04 PC **A08**/MF **A02**

Automated Aqueous Rotary Washer for the Metal Finishing Industry. Technology Evaluation Report.
(EPA/600/R-92/188)
PB92-232214/REB 92-04 PC **A04**/MF **A01**

BECHTEL CORP., SAN FRANCISCO, CA.

Capsule Report: Adipic Acid-Enhanced Lime/Limestone Test Results at the EPA Alkali Scrubbing Test Facility.
(EPA/625/2-82/029)
PB92-179944/REB 92-01 PC **A03**/MF **A01**

BENNETT AND WILLIAMS, INC., COLUMBUS, OH.

Handbook of Suggested Practices for the Design and Installation of Ground-Water Monitoring Wells (Revised).
(EPA/600/4-89/034-REV)
PB92-216886/REB 92-04 PC **A11**/MF **A03**

BMW OF NORTH AMERICA, INC., MONTVALE, NJ.

Application for Certification 1991 Model Year Light-Duty Vehicles - BMW.
(EPA/460/A-91/2)
PB91-242651/REB 92-01 PC **A99**/MF **E08**

Application for Certification 1990 Model Year Light-Duty Vehicles - BMW.
(EPA/460/A-90/33)
PB92-127968/REB 92-01 PC **A99**/MF **E99**

Application for Certification 1992 Model Year Light-Duty Vehicles - BMW of North America, Inc.
(EPA/460/A-92/36)
PB92-182807/REB 92-04 PC **A99**/MF **E11**

BOOZ-ALLEN AND HAMILTON, INC., BETHESDA, MD.

ISBN-0-16-036223-7
Inside the Hotline: A Compilation of 1991 Monthly Hotline Reports.
(EPA/530/SW-91/093N)
PB92-131390/REB 92-01 PC **A04**/MF **A01**

CAMBRIDGE SYSTEMATICS, INC., MA.

Transportation Control Measure Information Documents.
(EPA/400/R-92/006)
PB92-173566/REB 92-01 PC **A19**/MF **A04**

CAMP, DRESSER AND MCKEE, INC., CAMBRIDGE, MA.

Assessing UST Corrective Action Technology: A Scientific Evaluation of the Mobility of Organic Contaminants in Subsurface Environments.
(EPA/600/2-91/053)
PB92-114552/REB 92-01 PC **A16**/MF **A03**

Soil-Air Permeability Method Evaluation.
(EPA/600/D-91/273)
PB92-124239/REB 92-01 PC **A02**/MF **A01**

Technical Aspects of Underground Storage Tank Closure.
(EPA/600/R-92/057)
PB92-161199/REB 92-01 PC **A04**/MF **A01**

Soil Vapor Extraction Column Experiments on Gasoline Contaminated Soil.
(EPA/600/R-92/170)
PB92-226430/REB 92-04 PC **A05**/MF **A01**

CANAL DE ISABEL II, MADRID (SPAIN). DIV. DE ESTADISTICA Y MODELOS.

System for Control of River Water Quality for the Community of Madrid Using QUAL2E.
(EPA/600/J-92/244)
PB92-206218/REB 92-04 PC **A02**/MF **A01**

CATERPILLAR, INC., PEORIA, IL.

Application for Certification 1992 Model Year Heavy-Duty Diesel Engines - Caterpillar.
(EPA/460/A-92/47)
PB92-182922/REB 92-04 PC **A18**/MF **A04**

CDM FEDERAL PROGRAMS CORP., FAIRFAX, VA.

Superfund Soils Data Management System.
(EPA/600/A-92/010)
PB92-139476/REB 92-01 PC **A02**/MF **A01**

CENTEC CORP., RESTON, VA.

Capsule Report: Acostic Monitoring to Determine the Integrity of Hazardous Waste Dams.
(EPA/625/2-79/024)
PB92-179928/REB 92-01 PC **A03**/MF **A01**

CENTER OF MARINE BIOTECHNOLOGY, BALTIMORE, MD.

Mixed-Species Colonization of Solid Surfaces in Laboratory Biofilms.
(EPA/600/J-92/212)
PB92-195692/REB 92-01 PC **A03**/MF **A01**

CHESSON CONSULTING, WASHINGTON, DC.

Comparison of Airborne Asbestos Levels Determined by Transmission Electron Microscopy (TEM) Using Direct and Indirect Transfer Techniques.
(EPA/560/5-89/004)
PB92-191113/REB 92-01 PC **A04**/MF **A01**

CHRYSLER CORP., DETROIT, MI.

Application for Certification 1992 Model Year Light-Duty Trucks - Chrysler.
(EPA/460/A-92/1)
PB92-122225/REB 92-01 PC **A99**/MF **E08**

Application for Certification 1992 Model Year Light-Duty Trucks - Chrysler Jeep.
(EPA/460/A-92/2)
PB92-122233/REB 92-01 PC **A15**/MF **A03**

Application for Certification 1992 Model Year Light-Duty Vehicles - Chrysler.
(EPA/460/A-92/3)
PB92-122241/REB 92-01 PC **A20**/MF **A04**

Application for Certification 1992 Model Year Heavy-Duty Chrysler Otto Cycle.
(EPA/460/A-92/28)
PB92-122506/REB 92-01 PC **A12**/MF **A03**

Application for Certification 1991 Model Year Light-Duty Trucks - Chrysler Jeep.
(EPA/460/A-91/15)
PB92-127992/REB 92-01 PC **A99**/MF **A06**

Application for Certification 1991 Model Year Light-Duty Trucks - Chrysler.
(EPA/460/A-91/16)
PB92-128008/REB 92-01 PC **A99**/MF **E11**

Application for Certification 1991 Model Year Light-Duty Vehicles - Chrysler.
(EPA/460/A-91/17)
PB92-128016/REB 92-01 PC **A99**/MF **E11**

Application for Certification 1991 Model Year Heavy-Duty Gas - Chrysler.
(EPA/460/A-91/27)
PB92-128115/REB 92-01 PC **A06**/MF **A02**

CIBA-GEIGY CORP., RALEIGH, NC.

Color Yes; Cancer No.
(EPA/600/J-91/244)
PB92-110477/REB 92-01 PC **A03**/MF **A01**

CINCINNATI UNIV., OH.

Hydraulic Fracturing to Improve Nutrient and Oxygen Delivery for In situ Bioreclamation.
(EPA/600/J-91/276)
PB92-121334/REB 92-01 PC **A03**/MF **A01**

CLEAN HARBORS, INC., BEDFORD, MA.

Quality Assurance Plan for the National Pesticide Survey of Drinking Water Wells: Analytical Method 2 - Chlorinated Pesticides.
(EPA/810/B-92/003)
PB92-168525/REB 92-04 PC **A08**

CLEMENT INTERNATIONAL CORP., RUSTON, LA.

Health Effects and Dose-Response Assessment for Hydrogen Chloride Following Short-Term Exposure.
(EPA/450/3-92/003)
PB92-161959/REB 92-01 PC **A05**/MF **A01**

CLEMSON UNIV., SC. DEPT. OF CHEMISTRY AND GEOLOGY.

Physical Property Data on Fluorinated Propanes and Butanes as CFC and HCFC Alternatives.
(EPA/600/A-92/150)
PB92-206507/REB 92-04 PC **A03**/MF **A01**

COHEN (S.) AND ASSOCIATES, INC., MCLEAN, VA.

Proceedings: The 1991 International Symposium on Radon and Radon Reduction Technology. Held in Philadelphia, Pennsylvania on April 2-5, 1991.
PB92-115344/REB 92-01 PC **E99**/MF **E99**

Proceedings: The 1991 International Symposium on Radon and Radon Reduction Technology. Volume 1. Symposium Oral Papers Opening Session and Technical Sessions 1 through 5.
(EPA/600/9-91/037A)
PB92-115351/REB 92-01 PC **A18**/MF **A04**

Proceedings: The 1991 International Symposium on Radon and Radon Reduction Technology. Volume 2. Symposium Oral Papers Technical Sessions 6 through 10.
(EPA/600/9-91/037B)
PB92-115369/REB 92-01 PC **A19**/MF **A04**

Proceedings: The 1991 International Symposium on Radon and Radon Reduction Technology. Volume 3. Symposium Panel and Poster Papers Technical Sessions 1 through 5.
(EPA/600/9-91/037C)
PB92-115377/REB 92-01 PC **A20**/MF **A04**

Proceedings: The 1991 International Symposium on Radon and Radon Reduction Technology. Volume 4. Symposium Poster Papers Technical Sessions 6 through 10.
(EPA/600/9-91/037D)
PB92-115385/REB 92-01 PC **A13**/MF **A03**

Potential Uses of Phosphogypsum and Associated Risks. Background Information Document.
(EPA/402/R-92/002)
PB92-196054/REB 92-01 PC **A06**/MF **A02**

COLORADO STATE UNIV., FORT COLLINS.

Pollution Impacts at the Stand and Ecosystem Levels.
(EPA/600/A-92/077)
PB92-179027/REB 92-01 PC **A03**/MF **A01**

COLORADO STATE UNIV., FORT COLLINS. NATURAL RESOURCE ECOLOGY LAB.

Quality Assurance Support for the National Atmospheric Deposition Program and National Trends Network Monitoring Activities. Fourth Progress Report, 1990-1991.
(EPA/600/R-92/106)
PB92-194000/REB 92-01 PC **A06**/MF **A02**

COMMISSION OF THE EUROPEAN COMMUNITIES, LUXEMBOURG.

Methods for the Detection of Microorganisms in the Environment.
PB92-137454/REB 92-01 PC **A06**/MF **A02**

COMPUTER SCIENCES CORP., ANNAPOLIS, MD. CHESAPEAKE BAY LIAISON OFFICE.

CBP/TRS-70/92
Comprehensive List of Chesapeake Bay Basin Species.
PB92-222850/REB 92-04 PC **A07**/MF **A02**

COMPUTER SCIENCES CORP., CINCINNATI, OH.

PAST: The Potential ARARs Selection Tool.
(EPA/600/A-92/031)
PB92-152941/REB 92-01 PC **A02**/MF **A01**

COMPUTER SCIENCES CORP., RESEARCH TRIANGLE PARK, NC.

Regional Ozone Modeling for Northeast Transport (ROMNET).
(EPA/450/4-91/002A)
PB92-108786/REB 92-01 PC **A15**/MF **A03**

Regional Ozone Modeling for Northeast Transport (ROMNET). Appendices.
(EPA/450/4-91/002B)
PB92-108794/REB 92-01 PC **A15**/MF **A03**

Regional Oxidant Model (ROM) User's Guide. Part 4: The ROM System User Tutorial (Processor Network and Core Model).
(EPA/600/8-90/083D, EPA/SW/MT-92/023A)
PB92-120872/REB 92-01 PC **A10**/MF **A03**

User's Guide for the Urban Airshed Model. Volume 6. User's Manual for the Postprocessing System.
(EPA/450/4-90/007F)
PB92-145382/REB 92-01 PC **A06**/MF **A02**

COMPUTER SCIENCES CORP., RESEARCH TRIANGLE PARK, NC. APPLIED TECHNOLOGY DIV.

Gridded Model Information Support System (GMISS) User's Guide. Volume 3. Model Concentration Data Retrieval Subsystem.
(EPA/450/4-91/032)
PB92-190263/REB 92-01 PC **A05**/MF **A01**

CORNELL UNIV., ITHACA, NY. DEPT. OF SOIL, CROP AND ATMOSPHERIC SCIENCES.

Effect of Sodium Chloride on Transport of Bacteria in a Saturated Aquifer Material.
(EPA/600/J-91/239)
PB92-110428/REB 92-01 PC **A02**/MF **A01**

Bacterial Transport through Homogeneous Soil.
(EPA/600/J-92/076)
PB92-153329/REB 92-01 PC **A02**/MF **A01**

CORVALLIS ENVIRONMENTAL RESEARCH LAB., OR.

EPA/600/3-91/067
Assessment of Promising Forest Management Practices and Technologies for Enhancing the Conservation and Sequestration of Atmospheric Carbon and Their Costs at the Site Level.
PB92-122787/REB 92-01 PC **A08**/MF **A02**

EPA/600/9-91/014
Proceedings of the International Workshop on Large-Scale Reforestation. Held in Corvallis, Oregon on May 9-10, 1990.
PB92-109131/REB 92-01 PC **A08**/MF **A02**

EPA/600/9-91/039
Ecological Indicators. Proceedings of an International Symposium. Held in Fort Lauderdale, Florida on October 16-19, 1990.
PB92-114131/REB 92-01 PC **A99**/MF **E99**

EPA/600/A-72/036
Summary, Projections, and Recommendations. (Chapter 13).
PB92-152990/REB 92-01 PC **A03**/MF **A01**

EPA/600/A-92/001
Effects of Ozone on Crops.
PB92-136845/REB 92-01 PC **A03**/MF **A01**

EPA/600/A-92/014
MANE: A Multiphase, Aqueous, Non-Steady State, Equilibrium Model for Simulating Soil-Water Interactions.
PB92-143817/REB 92-01 PC **A03**/MF **A01**

EPA/600/A-92/037
Global Assessment of Promising Forest Management Practices for Sequestration of Carbon.
PB92-153006/REB 92-01 PC **A03**/MF **A01**

EPA/600/A-92/038
Design Issues for Evaluating Seedling Exposure Studies.
PB92-153014/REB 92-01 PC **A02**/MF **A01**

EPA/600/A-92/048
Global Carbon Cycle and Climate Change.
PB92-153741/REB 92-01 PC **A03**/MF **A01**

EPA/600/A-92/078
Methods Used in Determination of Cholinesterase Activity.
PB92-179035/REB 92-01 PC **A03**/MF **A01**

EPA/600/A-92/104
Methods of Assessing Responses of Trees, Stands and Ecosystems to Air Pollution (Chapter 7).
PB92-180231/REB 92-01 PC **A04**/MF **A01**

EPA/600/A-92/110
Clinical Biochemistry.
PB92-188762/REB 92-01 PC **A03**/MF **A01**

EPA/600/A-92/140
Western Forests and Air Pollution.
PB92-198209/REB 92-04 PC **A22**/MF **A04**

EPA/600/D-91/231
Two Different Approaches for Control and Measurement of Plant Functions in Closed Environmental Chambers.
PB92-108067/REB 92-01 PC **A03**/MF **A01**

EPA/600/D-91/267
Toxicological Implementations of Remediating Hazardous Wastes.
PB92-124171/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-90/545
Indicators for Monitoring Biodiversity: A Hierarchical Approach.
PB92-108117/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-91/225
Recovery of Bulk DNA from Soil by a Rapid, Small-Scale Extraction Method.
PB92-108141/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-91/226
Patch Size of Forest Openings and Arthropod Populations.
PB92-108158/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-91/227
On-Site Methods for Assessing Chemical Impact on the Soil Environment Using Earthworms: A Case Study at the Baird and McGuire Superfund Site, Holbrook, Massachusetts.
PB92-108166/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-91/228
Model of Additive Effects of Mixtures of Narcotic Chemicals.
PB92-108174/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-91/230
Developmental Malformation of Frog Embryos: An Analysis of Teratogenicity of Chemical Mixtures.
PB92-108190/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-91/278
Global Carbon Cycle and Climate Change: Responses and Feedbacks from Below-Ground Systems.
PB92-121359/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/013
Regional Patterns and Local Variability of Dry and Occult Deposition Strongly Influence Sulfate Concentrations in Maine Lakes.
PB92-136951/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-92/031
Ozone Decreases Spring Root Growth and Root Carbohydrate Content in Ponderosa Pine the Year Following Exposure.
PB92-144039/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-92/032
Diurnal Water Relations of Walnut Trees: Implications for Remote Sensing.
PB92-144047/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/033
Stress Interactions and Mycorrhizal Plant Response: Understanding Carbon Allocation Priorities.
PB92-144054/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/034
Possible Approaches to Establishing Interlaboratory Comparability of Measurements of Polychlorinated Biphenyls in Human Serum.
PB92-144062/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-92/080
Physical and Chemical Control of Released Microorganisms at Field Sites.
PB92-153360/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-92/081
Nutrient Leaching from Conifer Needles in Relation to Foliar Apoplast Cation Exchange Capacity.
PB92-153378/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-92/083
Sulfate Retention and Cation Leaching of Forest Soils in Response to Acid Additions.
PB92-153394/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/091
Trends in Catskill Stream Water Quality: Evidence from Historical Data.
PB92-153832/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/092
Selection of a Base Serum for the Preparation of Quality Control Pools Containing Environment Analytes.
PB92-153840/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/092
Leaf Photosynthetic and Water Relations Responses for 'Valencia' Orange Trees Exposed to Oxidant Air Pollution.
PB92-153857/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/094
Climate Change and Isoprene Emissions from Vegetation.
PB92-153865/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/095
Ecological Regions versus Hydrologic Units: Frameworks for Managing Water Quality.
PB92-153873/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-92/096
Interlaboratory Study of Cellular Fluorescence Intensity Measurements with Fluorescein-Labeled Microbead Standards.
PB92-153881/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/098
Trends and Patterns in Section 404 Permitting Requiring Compensatory Mitigation in Oregon and Washington, USA.
PB92-153907/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/167
Modification of an Index of Biotic Integrity Based on Fish Assemblages to Characterize Rivers of the Seine Basin, France.
PB92-180322/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/168
Formation of Transconjugants on Plating Media Following 'In situ' Conjugation Experiments.
PB92-180330/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-92/170
Effects of Open-Top Chambers on 'Valencia' Orange Trees.
PB92-180355/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-92/171
Teratogenesis, Toxicity, and Bioconcentration in Frogs Exposed to Dieldrin.
PB92-180363/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/177
Effects of Low Dissolved Oxygen on Survival, Growth and Reproduction of 'Daphnia', 'Hyalella' and 'Gammarus'.
PB92-188846/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-92/178
Acidic Episodes in Surface Waters in Europe.
PB92-188853/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/289
Effects of Section 404 Permitting on Freshwater Wetlands in Louisiana, Alabama, and Mississippi.
PB92-217439/REB 92-04 PC **A03**/MF **A01**

EPA/600/J-92/290
Effects of El Nino and La Nina on Seabird Assemblages in the Equatorial Pacific.
PB92-217405/REB 92-04 PC **A03**/MF **A01**

EPA/600/J-92/291
Effects of Aqueous and Dietary Exposure of Dieldrin on Survival, Growth and Bioconcentration in Mallard Ducklings.
PB92-217413/REB 92-04 PC **A03**/MF **A01**

EPA/600/J-92/325
Age-Dependent Changes in Activity of Mallard Plasma Cholinesterases.
PB92-232875/REB 92-04 PC **A01**/MF **A01**

EPA/600/R-92/020
Effects of Glean, a Sulfonylurea Herbicide, on the Reproductive Biology and Fruit Set in Cherry Trees. Progress Report to Region 10.
PB92-142652/REB 92-01 PC **A03**/MF **A01**

EPA/600/R-92/056
Air Pollution Effects on Biodiversity.
PB92-170166/REB 92-01 PC **A15**/MF **A03**

EPA/600/R-92/060
Wetlands Research Plan FY92-96: An Integrated Risk-Based Approach.
PB92-178946/REB 92-01 PC **A07**/MF **A02**

EPA/600/R-92/070
User's Guide and Data Dictionary for Kenai Lakes Investigation Project.
PB92-178961/REB 92-01 PC **A03**/MF **A01**

EPA/600/R-92/150
Approach to Improving Decision Making in Wetland Restoration and Creation.
PB92-217306/REB 92-04 PC **A08**/MF **A02**

EPA/600/R-92/156
Interim Protocol for the Evaluation of Survival of Genetically Engineered Microorganisms by Simulating the Aerial Environment Using a Freeze-Drying Procedure.
PB92-217470/REB 92-04 PC **A03**/MF **A01**

EPA/600/R-92/186
Direct/Delayed Response Project: Future Effects of Long-Term Sulfur Deposition on Stream Chemistry in the Mid-Appalachian Region of the Eastern United States.
PB92-232370/REB 92-04 PC **A18**/MF **A04**

Permit Tracking System (PTS), Version 1.0 (for Microcomputers).
(EPA/SW/DK-92/015)
PB92-500347/REB 92-01 CP **D03**

Natural Enemy Risk Assessment (NERISK) (for Microcomputers).
(EPA/SW/DK-92/018)
PB92-500446/REB 92-01 CP **D06**

CUMMINS ENGINE CO., INC., COLUMBUS, IN.
Application for Certification 1992 Model Year Heavy-Duty Diesel Vehicles - Cummins Engine Company, Inc.
(EPA/460/A-92/48)
PB92-182930/REB 92-04 PC **A21**/MF **A04**

DAIHATSU MOTOR CO., INC., LOS ALAMITOS, CA.
Application for Certification 1992 Model Year Light-Duty Vehicles - Daihatsu.
(EPA/460/A-92/4)
PB92-122258/REB 92-01 PC **A13**/MF **A03**

DAYTON UNIV., OH. RESEARCH INST.
Comparison of Organic Emissions from Laboratory and Full-Scale Thermal Degradation of Sewage Sludge.
(EPA/600/J-92/001)
PB92-136852/REB 92-01 PC **A03**/MF **A01**

DEECO, INC., CARY, NC.
Method 25: Determination of Total Gaseous Non-Methane Organic Emissions as Carbon from Stationary Sources.
(EPA/600/8-91/209)
PB92-113026/REB 92-01 PC **A07**/MF **A02**

DEPARTMENT OF AGRICULTURE, WASHINGTON, DC.
Nitrate Occurence in U.S. Waters (and Related Questions). A Reference Summary of Published Sources from an Agricultural Perspective.
PB92-155696/REB 92-01 PC **A03**/MF **A01**

DEPARTMENT OF ENERGY, WASHINGTON, DC.
International Symposium on Field Screening Methods for Hazardous Wastes and Toxic Chemicals (2nd), Proceedings. Held in Las Vegas, Nevada on February 12-14, 1991.
(EPA/600/9-91/028)
PB92-125764/REB 92-01 PC **A99**/MF **E08**

DEPARTMENT OF THE ARMY, WASHINGTON, DC.
Base Realignment and Closure 'How-to' Manual for Compliance with the National Environment Policy Act.
PB92-146281/REB 92-01 PC **A15**/MF **A03**

DETROIT DIESEL CORP., MI.
Application for Certification 1990 Heavy-Duty Diesel - Detroit Diesel.
(EPA/460/A-90/35)
PB92-127984/REB 92-01 PC **A13**/MF **A03**

Application for Certification 1992 Model Year Heavy-Duty Diesel Engines - Detroit Diesel Corporation.
(EPA/460/A-92/49)
PB92-182948/REB 92-04 PC **A10**/MF **A03**

DREXEL UNIV., PHILADELPHIA, PA. GEOSYNTHETIC RESEARCH INST.
Biological Activity and Potential Remediation Involving Geotextile Landfill Leachate Filters.
(EPA/600/A-92/053)
PB92-153451/REB 92-01 PC **A03**/MF **A01**

Ductile-to-Brittle Transition Time in Polyethylene Geomembrane Sheet.
(EPA/600/A-92/049)
PB92-153758/REB 92-01 PC **A02**/MF **A01**

Geomembrane Anchorage Behavior Using a Large Scale Pullout Apparatus.
(EPA/600/A-92/177)
PB92-217124/REB 92-04 PC **A03**/MF **A01**

Stress Crack Testing of Polyethylene Geomembranes.
(EPA/600/A-92/178)
PB92-217132/REB 92-04 PC **A03**/MF **A01**

DUKE UNIV. MEDICAL CENTER, DURHAM, NC.
Triphenyl Phosphite-Induced Ultrastructural Changes in Bovine Adrenomedullary Chromaffin Cells.
(EPA/600/J-92/271)
PB92-209337/REB 92-04 PC **A03**/MF **A01**

DUKE UNIV. MEDICAL CENTER, DURHAM, NC. DIV. OF ALLERGY, CRITICAL CARE, AND RESPIRATORY MEDICINE.
Reduction of Neutrophil Influx Diminishes Lung Injury and Mortality Following Phosgene Inhalation.
(EPA/600/J-92/300)
PB92-227420/REB 92-04 PC **A03**/MF **A01**

DUXBURY (DANA) AND ASSOCIATES, ANDOVER, MA.
Proceedings on the National United States Environmental Protection Agency Conference on Household Hazardous Waste Management (6th). Held in Seattle, Washington on December 3-7, 1991.
(EPA/530/R-92/016)
PB92-169390/REB 92-01 PC **A99**/MF **E08**

DYNAMAC CORP., ADA, OK.
Biotransformation of Monoaromatic and Chlorinated Hydrocarbons at an Aviation Gasoline Spill Site.
(EPA/600/J-92/028)
PB92-144005/REB 92-01 PC **A03**/MF **A01**

DYNAMAC CORP., ROCKVILLE, MD.
Health Assessment Document for Vermiculite.
(EPA/600/8-91/037)
PB92-166834/REB 92-01 PC **A03**/MF **A01**

Health Advisory for 2,4- and 2,6-Dinitrotoluene (DNT).
PB92-189315/REB 92-01 PC **A10**/MF **A03**

Sequencing Batch Reactors: Summary Report.
(EPA/625/8-86/011)
PB92-216969/REB 92-04 PC **A03**/MF **A01**

Causes and Control of Activated Sludge Bulking and Foaming.
(EPA/625/8-87/012)
PB92-216977/REB 92-04 PC **A05**

Health Assessment Document for Talc.
(EPA/600/8-91/217, ECAO-R-0367)
PB92-239524/REB 92-04 PC **A04**/MF **A01**

EASTERN RESEARCH GROUP, INC., ARLINGTON, MA.
Workshop Report on Toxicity Equivalency Factors for Polychlorinated Biphenyl Congeners. Risk Assessment Forum.
(EPA/625/3-91/020)
PB92-114529/REB 92-01 PC **A05**/MF **A02**

Seminar Publication: Nonpoint Source Watershed Workshop. Held in New Orleans, Louisiana, January 29-31, 1991.
(EPA/625/4-91/027)
PB92-137504/REB 92-01 PC **A10**/MF **A03**

ECOS, INC., LANDOVER, MD.
Lead and Copper Rule Guidance Manual. Volume 1. Monitoring.
PB92-112101/REB 92-01 PC **A10**/MF **A03**

EG AND G ENERGY MEASUREMENTS, INC., LAS VEGAS, NV. REMOTE SENSING LAB.
EGG-10617-1148
Aerial radiological survey of Pocatello and Soda Springs, Idaho and surrounding area, June-July 1986.
DE91017051/REB 92-01 PC **A03**/MF **A01**

EPA-8613
Aerial radiological survey of Pocatello and Soda Springs, Idaho and surrounding area, June-July 1986.
DE91017051/REB 92-01 PC **A03**/MF **A01**

EMCON ASSOCIATES, SAN JOSE, CA.
Landfill Gas Energy Utilization: Technology Options and Case Studies.
(EPA/600/R-92/116)
PB92-203116/REB 92-04 PC **A09**/MF **A02**

ENERGY AND ENVIRONMENTAL RESEARCH CORP., DURHAM, NC.
Trajectory and Incineration of Rogue Droplets in a Turbulent Diffusion Flame.
(EPA/600/J-91/321)
PB92-120450/REB 92-01 PC **A03**/MF **A01**

ENERGY AND ENVIRONMENTAL RESEARCH CORP., IRVINE, CA.
Waste Combustion System Analysis.
(EPA/600/7-91/008)
PB92-125418/REB 92-01 PC **A06**/MF **A02**

Experimental Investigation of PIC Formation in CFC Incineration.
(EPA/600/7-91/010)
PB92-126952/REB 92-01 PC **A06**/MF **A02**

Experimental Investigation of PIC Formation in CFC Incineration.
(EPA/600/A-92/021)
PB92-150432/REB 92-01 PC **A02**/MF **A01**

ENSR, ACTON, MA.
Evaluation of Hydraulic Conductivities Calculated from Multiport-Permeameter Measurements.
(EPA/600/J-92/029)
PB92-144013/REB 92-01 PC **A03**/MF **A01**

ENTROPY ENVIRONMENTALISTS, INC., RESEARCH TRIANGLE PARK, NC.
Laboratory and Field Evaluations of a Methodology for Determining Hexavalent Chromium Emissions from Stationary Sources.
(EPA/600/3-91/052)
PB92-101336/REB 92-01 PC **A06**/MF **A02**

Emissions of Metals, Chromium and Nickel Species, and Organics from Municipal Wastewater Sludge Incinerators.
PB92-151547/REB 92-01 PC **E99**/MF **E99**

Emissions of Metals, Chromium and Nickel Species, and Organics from Municipal Wastewater Sludge Incinerators. Volume 1. Summary Report.
(EPA/600/R-92/003A)
PB92-151554/REB 92-01 PC **A04**/MF **A01**

Emissions of Metals, Chromium and Nickel Species, and Organics from Municipal Wastewater Sludge Incinerators. Volume 2. Site 5 Emission Test Report Hexavalent Chromium Method Evaluation.
(EPA/600/R-92/003B)
PB92-151562/REB 92-01 PC **A05**/MF **A01**

Emissions of Metals, Chromium and Nickel Species, and Organics from Municipal Wastewater Sludge Incinerators. Volume 3. Site 6 Emissions Test Report.
(EPA/600/R-92/003C)
PB92-151570/REB 92-01 PC **A07**/MF **A02**

Emissions of Metals, Chromium and Nickel Species, and Organics from Municipal Wastewater Sludge Incinerators. Volume 4. Site 6 Emission Test Report - Appendices.
(EPA/600/R-92/003D)
PB92-151588/REB 92-01 PC **A13**/MF **A03**

Emissions of Metals, Chromium and Nickel Species, and Organics from Municipal Wastewater Sludge Incinerators. Volume 5. Site 7 Test Report CEMS Evaluation.
(EPA/600/R-92/003E)
PB92-151596/REB 92-01 PC **A03**/MF **A01**

Emissions of Metals, Chromium and Nickel Species, and Organics from Municipal Wastewater Sludge Incinerators. Volume 6. Site 8 Emission Test Report.
(EPA/600/R-92/003F)
PB92-151604/REB 92-01 PC **A07**/MF **A02**

Emissions of Metals, Chromium and Nickel Species, and Organics from Municipal Wastewater Sludge Incinerators. Volume 7. Site 8 Emission Test Report - Appendices.
(EPA/600/R-92/003G)
PB92-151612/REB 92-01 PC **A16**/MF **A03**

Emissions of Metals, Chromium and Nickel Species, and Organics from Municipal Wastewater Sludge Incinerators. Volume 8. Site 9 Emission Test Report.
(EPA/600/R-92/003H)
PB92-151620/REB 92-01 PC **A08**/MF **A02**

Emissions of Metals, Chromium and Nickel Species, and Organics from Municipal Wastewater Sludge Incinerators. Volume 9. Site 9 Emission Test Report - Appendices.
(EPA/600/R-92/003I)
PB92-151638/REB 92-01 PC **A99**/MF **A06**

Technical Assistance Document: Performance Audit Procedures for Opacity Monitors.
(EPA/450/4-92/010)
PB92-192889/REB 92-01 PC **A12**/MF **A03**

ENVIRONMENTAL HEALTH RESEARCH AND TESTING, INC., RESEARCH TRIANGLE PARK, NC.
Synthesis of a Novel Fluorinated Benzo(a)pyrene: 4,5-Difluorobenzo(a)pyrene.
(EPA/600/J-91/246)
PB92-110493/REB 92-01 PC **A02**/MF **A01**

Induction of Micronuclei by X-radiation in Human, Mouse and Rat Peripheral Blood Lymphocytes.
(EPA/600/J-91/269)
PB92-113315/REB 92-01 PC **A02**/MF **A01**

Genotoxicity in Mouse Lymphoma Cells of Chemicals Capable of Michael Addition.
(EPA/600/J-91/324)
PB92-120484/REB 92-01 PC **A02**/MF **A01**

DNA Adducts in Rat Lung, Liver and Peripheral Blood Lymphocytes Produces by *i.p.* Administration of Benzo(a)Pyrene Metabolites and Derivatives.
(EPA/600/J-91/306)
PB92-124627/REB 92-01 PC **A01**/MF **A01**

Fractionation of Complex Combustion Mixtures Using an Ion-Exchange Methodology.
(EPA/600/D-91/281)
PB92-126887/REB 92-01 PC **A02**/MF **A01**

Direct DNA Sequencing of PCR Products.
(EPA/600/J-92/053)
PB92-150671/REB 92-01 PC **A01**/MF **A01**

Morphological Transformation and DNA Adduct Formation by Benz(j)aceanthrylene and Its Metabolites in C3H10T1/2CL8 Cells: Evidence for Both Cyclopenta-Ring and Bay-Region Metabolic Activation Pathways.
(EPA/600/J-92/062)
PB92-150762/REB 92-01 PC **A02**/MF **A01**

Evaluation of High Volume Particle Sampling and Sample Handling Protocols for Ambient Urban Air Mutagenicity Determinations.
(EPA/600/J-92/189)
PB92-188952/REB 92-01 PC **A02**/MF **A01**

Characteristics of the U.S. EPA's Office of Pesticide Programs' Toxicity Information Databases.
(EPA/600/J-92/191)
PB92-188978/REB 92-01 PC **A02**/MF **A01**

Effects of Operating Variables on PAH Emissions and Mutagenicity of Emissions from Woodstoves (Journal Article).
(EPA/600/J-92/226)
PB92-195809/REB 92-01 PC **A02**/MF **A01**

Interspecies Cytogenetic Comparisons: Studies with X-Radiation and Bleomycin Sulfate.
(EPA/600/J-92/301)
PB92-227438/REB 92-04 PC **A03**/MF **A01**

ENVIRONMENTAL MONITORING SYSTEMS LAB., CINCINNATI, OH.
EPA/600/4-90/027
Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms (Fourth Edition).
PB91-167650/REB 92-01 PC **A14**/MF **A03**

ENVIRONMENTAL MONITORING SYSTEMS LAB., CINCINNATI, OH. CHEMISTRY RESEARCH DIV.
EPA/600/R-92/129
Methods for the Determination of Organic Compounds in Drinking Water. Supplement 2.
PB92-207703/REB 92-04 PC **A12**/MF **A03**

ENVIRONMENTAL MONITORING SYSTEMS LAB., CINCINNATI, OH. VIROLOGY BRANCH.
EPA/600/4-91/023
Practical Directory to Phycovirus Literature.
PB92-132893/REB 92-01 PC **A03**/MF **A01**

ENVIRONMENTAL MONITORING SYSTEMS LAB., LAS VEGAS, NV.
DOE/DP/00539-063
Offsite environmental monitoring report: Radiation monitoring around United States nuclear test areas. Calendar year 1990.
DE92010386/REB 92-04 PC **A09**/MF **A02**

EPA-600/4-91/030
Offsite environmental monitoring report: Radiation monitoring around United States nuclear test areas. Calendar year 1990.
DE92010386/REB 92-04 PC **A09**/MF **A02**

EPA/600/8-91/045
Selection of Adduct-Forming Chemicals for Human Monitoring Studies.
PB92-132877/REB 92-01 PC **A05**/MF **A01**

EPA/600/J-92/125
Proximity of Louisiana Sanitary Landfills to Wetlands and Deepwater Habitats.
PB92-164953/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-92/302
Evaluation and Comparison of Spatial Interpolators.
PB92-227446/REB 92-04 PC **A03**/MF **A01**

Tests of Indoor Air Quality Sinks.
(EPA/600/R-92/094)
PB92-218346/REB 92-04 PC **A15**/MF **A03**

ENVIRONMENTAL MONITORING SYSTEMS LAB., LAS VEGAS, NV. EXPOSURE ASSESSMENT RESEARCH DIV.
Protein Adducts for Exposure Monitoring: A Computerized Database (CPAD) (Version 1) (for Microcomputers).
(EPA/SW/DK-92/037)
PB92-501873/REB 92-01 CP **D02**

ENVIRONMENTAL PROTECTION AGENCY, ANN ARBOR, MI. CERTIFICATION POLICY AND SUPPORT BRANCH.
EPA/AA/CD/CPSB-92/01
Effects of RVP on Emissions at 20F Ambient Temperature.
PB92-143684/REB 92-01 PC **A03**/MF **A01**

ENVIRONMENTAL PROTECTION AGENCY, ANN ARBOR, MI. CONTROL TECHNOLOGY AND APPLICATIONS BRANCH.
EPA/AA/CTAB-91/05
Evaluation of a Schatz Heat Battery on a Flexible-Fueled Vehicle.
PB92-114255/REB 92-01 PC **A03**/MF **A01**

EPA/AA/CTAB-91/06
Evaluation of a Vehicle Equipped with a Direct Injection *Engine Using Neat Methanol.*
PB92-118009/REB 92-01 PC **A03**/MF **A01**

EPA/AA/CTAB-92/01
Evaluation of Research Prototype Vehicles Equipped with Direct Injection Two-Stroke Cycle Engines.
PB92-143692/REB 92-01 PC **A03**/MF **A01**

ENVIRONMENTAL PROTECTION AGENCY, ANN ARBOR, MI. EMISSION CONTROL TECHNOLOGY DIV.
EPA/AA/TSS/IM-90/1
Integrating On-Board Diagnostic System Capabilities into the Inspection and Repair Functions of I/M Programs.
PB92-104454/REB 92-01 PC **A03**/MF **A01**

ENVIRONMENTAL PROTECTION AGENCY, ANN ARBOR, MI. OFFICE OF MOBILE SOURCES.
EPA/AA/CTAB-91/04
Evaluation of a Kemira Oy Resistively Heated Catalyst on a Methanol-Fueled Vehicle.
PB92-104397/REB 92-01 PC **A03**/MF **A01**

EPA/AA/TSS-91/1
IM240 Transient I/M Dynamometer Driving Schedule and the Composite I/M Test Procedure.
PB92-104405/REB 92-01 PC **A03**/MF **A01**

EPA/420/R-92/001
Transportation and Air Quality Planning Guidelines, 1992.
PB92-201458/REB 92-04 PC **A10**/MF **A03**

EPA/450/4-81/026D-REV
Procedures for Emission Inventory Preparation. Volume 4: Mobile Sources.
PB92-209386/REB 92-04 PC **A11**/MF **A03**

EPA/460/3-91/02
Nonroad Engine and Vehicle Emission Study-Report.
PB92-126960/REB 92-01 PC **A24**/MF **A04**

Nonroad Engine and Vehicle Emission Study-Report and Appendixes.
PB92-104462/REB 92-01 PC **A20**/MF **A04**

VMT Forecasting and Tracking Guidance, Section 187.
PB92-164961/REB 92-01 PC **A03**/MF **A01**

ENVIRONMENTAL PROTECTION AGENCY, ANN ARBOR, MI. TECHNICAL SUPPORT STAFF.
EPA/AA/TSS/IM-89/2
I/M Network Type: Effects on Emission Reductions, Cost, and Convenience. Technical Information Document.
PB92-104447/REB 92-01 PC **A04**/MF **A01**

EPA/AA/TSS/IM-90-3
Recommended I/M Short Test Procedures for the 1990's: Six Alternatives.
PB92-104439/REB 92-01 PC **A03**/MF **A01**

ENVIRONMENTAL PROTECTION AGENCY, ANN ARBOR, MI. TECHNOLOGY DEVELOPMENT GROUP.
EPA/AA/TDG-92/03
Evaluation of a Schatz Heat Battery on a Flexible-Fueled Vehicle. Phase 2.
PB92-204585/REB 92-04 PC **A03**/MF **A01**

EPA/AA/TDG-92/05
Natural Gas Vehicle Challenge: EPA Emissions and Fuel Economy Testing, 1992.
PB92-217926/REB 92-04 PC **A04**/MF **A01**

ENVIRONMENTAL PROTECTION AGENCY, ANN ARBOR, MI. TEST AND EVALUATION BRANCH.
EPA/AA/TEB/EF-90/4
Fuel Volatility Effects on Exhaust Emissions.
PB92-110014/REB 92-01 PC **A03**/MF **A01**

EPA/AA/TEB-91/02
Emissions and Fuel Economy Effects of the Platinum Gasaver, a Retrofit Device.
PB92-104421/REB 92-01 PC **A03**/MF **A01**

EPA/AA/TEB-511/91/01
Second EPA Evaluation of the Platinum Gasaver Device under Section 511 of the Motor Vehicle Information and Cost Savings Act (Updated).
PB92-104413/REB 92-01 PC **A03**/MF **A01**

ENVIRONMENTAL PROTECTION AGENCY, ANNAPOLIS, MD. CHESAPEAKE BAY PROGRAM.
CBP/TRS-71/92
Chesapeake Bay Citizen Monitoring Program Report Conestoga River (October 1986-June 1990).
PB92-217801/REB 92-04 PC **A03**/MF **A01**

CBP/TRS-72/92
Chesapeake Bay Basin Comprehensive List of Toxic Substances.
PB92-221373/REB 92-04 PC **A04**/MF **A01**

Progress Report of the Baywide Nutrient Reduction Reevaluation: Chesapeake Bay Program.
PB92-161033/REB 92-01 PC **A04**/MF **A01**

Chesapeake Bay Striped Bass Fishery Management Plan: Chesapeake Bay Program. Annual Progress Report from the Chesapeake Executive Council.
PB92-186428/REB 92-01 PC **A03**/MF **A01**

Chesapeake Bay Bluefish Fishery Management Plan. Chesapeake Bay Program Agreement Commitment Report.
PB92-186436/REB 92-01 PC **A04**/MF **A01**

Chesapeake Bay Waterfowl Policy and Management Plan (Agreement Committment Report).
PB92-186451/REB 92-01 PC **A03**/MF **A01**

Chesapeake Bay Weakfish and Spotted Seatrout Fishery Management Plan: An Agreement Commitment Report from the Chesapeake Executive Council.
PB92-186477/REB 92-01 PC **A03**/MF **A01**

ENVIRONMENTAL PROTECTION AGENCY, ARLINGTON, VA. SPECIAL REVIEW AND REREGISTRATION DIV.

EPA/540/RS-92/214
Reregistration Eligibility Document (RED): Citric Acid.
PB92-221829/REB 92-04 PC **A06**/MF **A02**

EPA/700/R-92/001
Pesticide Reregistration Progress Report.
PB92-224328/REB 92-04 PC **A03**/MF **A01**

ENVIRONMENTAL PROTECTION AGENCY, ATHENS, GA.

EPA/600/J-92/330
Infrared Spectroscopy-Based Property-Reactivity Correlations for Predicting Environmental Fate of Organic Chemicals.
PB92-232925/REB 92-04 PC **A03**/MF **A01**

ENVIRONMENTAL PROTECTION AGENCY, ATLANTA, GA. REGION IV.

EPA/904/6-88/001
Application of Dye-Tracing Techniques for Determining Solute-Transport Characteristics of Ground Water in Karst Terranes.
PB92-231356/REB 92-04 PC **A06**/MF **A02**

ENVIRONMENTAL PROTECTION AGENCY, CHAMBLEE, GA. OFFICE OF PESTICIDES PROGRAMS.

EPA/540/RS-92/186
Reregistration Eligibility Document (RED). Sodium Diacetate.
PB92-161934/REB 92-01 PC **A03**/MF **A01**

ENVIRONMENTAL PROTECTION AGENCY, CHICAGO, IL. GREAT LAKES NATIONAL PROGRAM OFFICE.

Regional Efforts Through the LJC to Address Contaminated Bottom Sediment Problems in the Great Lakes.
AD-P006 832/0/REB 92-04 PC **A02**/MF **A01**

Dealing with Toxic Polluted Sediments in the Great Lakes Basin.
AD-P006 908/8/REB 92-04 PC **A03**/MF **A01**

ENVIRONMENTAL PROTECTION AGENCY, CINCINNATI, OH.

EPA/600/J-92/002
Observations on Studies Useful to Asbestos Operations and Management Activities.
PB92-136860/REB 92-01 PC **A03**/MF **A01**

ENVIRONMENTAL PROTECTION AGENCY, CINCINNATI, OH. CENTER FOR ENVIRONMENTAL RESEARCH INFORMATION.

CERI-91-99
RCRA Corrective Actions. Speaker Slide Copies.
PB92-224815/REB 92-04 PC **A06**/MF **A02**

EPA/540/S5-90/007
Technology Demonstration Summary, DuPont/Oberlin Microfiltration System, Palmerton, Pennsylvania. April-May 1992.
PB92-224351/REB 92-04 PC **A02**/MF **A01**

EPA/625/6-91/014
Handbook: Control Technologies for Hazardous Air Pollutants.
PB92-141373/REB 92-01 PC **A12**/MF **A03**

ENVIRONMENTAL PROTECTION AGENCY, CINCINNATI, OH. DRINKING WATER RESEARCH DIV.

EPA/600/A-92/090
Use of Pilot Columns for Predicting Full-Scale GAC Performance.
PB92-179159/REB 92-01 PC **A03**/MF **A01**

EPA/600/A-92/100
Application of Modified Aluminon and GFAAS Methods to Beryllium Determination in Drinking Water.
PB92-180199/REB 92-01 PC **A02**/MF **A01**

EPA/600/D-91/253
Comparison of Five Solidification/Stabilization Processes for Treatment of Municipal Waste Combustion Residues. Part 1. Physical Testing.
PB92-121193/REB 92-01 PC **A03**/MF **A01**

EPA/600/D-91/262
Radionuclide Removal.
PB92-121284/REB 92-01 PC **A03**/MF **A01**

EPA/600/D-91/269
Drinking Water Research Division's Research Activities in Support of EPA's Regulatory Agenda.
PB92-124197/REB 92-01 PC **A03**/MF **A01**

EPA/600/D-91/270
Field Studies for Control of Organics and Disinfection By-Products.
PB92-124205/REB 92-01 PC **A03**/MF **A01**

EPA/600/D-91/272
Formation of Disinfection By-Products.
PB92-124221/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-92/285
Effect of the Method of Preparing Monochloramine upon Inactivation of MS2 Coliphage, 'Escherichia coli', and 'Klebsiella pneumoniae'.
PB92-217355/REB 92-04 PC **A02**/MF **A01**

EPA/600/R-92/164
Removal of Radium from Drinking Water.
PB92-218320/REB 92-04 PC **A07**/MF **A02**

ENVIRONMENTAL PROTECTION AGENCY, CINCINNATI, OH. ENVIRONMENTAL CRITERIA AND ASSESSMENT OFFICE.

ECAO-CIN-D003
Drinking Water Criteria Document for Beryllium.
PB92-173301/REB 92-01 PC **A08**/MF **A02**

ECAO-CIN-D007
Drinking Water Criteria Document for Hexachlorocyclopentadiene.
PB92-173418/REB 92-01 PC **A06**/MF **A02**

ECAO-CIN-D009
Drinking Water Criteria Document for Phthalic Acid Esters (PAES).
PB92-173442/REB 92-01 PC **A14**/MF **A03**

ECAO-CIN-D010
Drinking Water Criteria Document for Polycyclic Aromatic Hydrocarbons (PAHs).
PB92-173459/REB 92-01 PC **A20**/MF **A04**

ECAO-CIN-D012
Drinking Water Criteria Document for Trichlorobenzenes.
PB92-173491/REB 92-01 PC **A05**/MF **A01**

ECAO-CIN-242
Drinking Water Criteria Document for Hexachlorobenzene.
PB92-173400/REB 92-01 PC **A10**/MF **A03**

ECAO-CIN-423
Drinking Water Criteria Document for Endrin.
PB92-173384/REB 92-01 PC **A10**/MF **A03**

ECAO-CIN-442
Drinking Water Criteria Document for Cyanide.
PB92-173319/REB 92-01 PC **A08**/MF **A02**

ECAO-CIN-443
Drinking Water Quantification of Toxicologic Effects for Nickel.
PB92-173426/REB 92-01 PC **A05**/MF **A01**

EPA/600/6-91/006
Preliminary Risk Assessment for Bacteria in Municipal Sewage Sludge Applied to Land.
PB92-126820/REB 92-01 PC **A10**/MF **A03**

EPA/600/R-92/064
Preliminary Risk Assessment for Viruses in Municipal Sewage Sludge Applied to Land.
PB92-198548/REB 92-01 PC **A09**/MF **A03**

ENVIRONMENTAL PROTECTION AGENCY, CINCINNATI, OH. HAZARDOUS WASTE ENGINEERING RESEARCH LAB.

EPA/625/2-84/031
Capsule Report: Benefits of Microprocessor Control of Curing Ovens for Solvent-Based Coatings.
PB92-179993/REB 92-01 PC **A03**/MF **A01**

ENVIRONMENTAL PROTECTION AGENCY, CINCINNATI, OH. OFFICE OF RESEARCH AND DEVELOPMENT.

EPA/600/R-92/098
Andrew W. Breidenbach Environmental Research Center Small Systems Resource Directory.
PB92-239565/REB 92-04 PC **A04**/MF **A01**

ENVIRONMENTAL PROTECTION AGENCY, CINCINNATI, OH. RISK REDUCTION ENGINEERING LAB.

EPA/530/SW-91/051
Technical Guidance Document: Inspection Techniques for the Fabrication of Geomembrane Field Seams.
PB92-109057/REB 92-01 PC **A08**/MF **A02**

EPA/540/5-91/008
Superfund Innovative Technology Evaluation Program: Technology Profiles, Fourth Edition.
PB92-224294/REB 92-04 PC **A10**/MF **A03**

EPA/540/A5-91/002
AWD Technologies Integrated AquaDetox (Trade Name)/SVE Technology: Applications Analysis Report.
PB92-218379/REB 92-04 PC **A04**/MF **A01**

EPA/540/A5-91/007
Retech, Inc., Plasma Centrifugal Furnace: Applications Analysis Report.
PB92-231315/REB 92-04 PC **A04**/MF **A01**

EPA/540/R-92/001
Technology Evaluation Report: Ogden Circulating Bed Combustor at the McColl Superfund Site.
PB92-227289/REB 92-04 PC **A04**/MF **A01**

EPA/540/S5-91/003
Technology Demonstration Summary: Bio Trol Soil Washing System for Treatment of a Wood Preserving Site.
PB92-224393/REB 92-04 PC **A02**/MF **A01**

EPA/600/9-91/012
Storm and Combined Sewer Pollution Control: A Compilation of Significant References.
PB92-114560/REB 92-01 PC **A03**/MF **A01**

EPA/600/A-92/004
Co-Existing with Asbestos: A Look at the Engineering Research Program of the U.S. Environmental Protection Agency.
PB92-139419/REB 92-01 PC **A03**/MF **A01**

EPA/600/A-92/030
Developments in Chemical Treatment of Contaminated Soil.
PB92-152933/REB 92-01 PC **A03**/MF **A01**

EPA/600/A-92/043
Trace Elements, Leaching and Health Risks from Municipal Waste Combustion Ash.
PB92-153311/REB 92-01 PC **A03**/MF **A01**

EPA/600/A-92/050
Environmental Protection Agency's Municipal Solid Waste Landfill Liner Design Criteria.
PB92-153766/REB 92-01 PC **A02**/MF **A01**

EPA/600/A-92/051
Waste Minimization for Non-Agricultural Pesticide Applicators: EPA's Pollution Prevention Guide.
PB92-153774/REB 92-01 PC **A02**/MF **A01**

EPA/600/A-92/060
Storage of Combined Sewage in a Marine Waterbody.
PB92-158542/REB 92-01 PC **A03**/MF **A01**

EPA/600/A-92/091
Demonstration of Waste Treatment Technologies.
PB92-179670/REB 92-01 PC **A02**/MF **A01**

EPA/600/A-92/092
U.S. Environmental Protection Agency Research Program on the Environmental Impacts and Control of Highway Deicing Salt Pollution.
PB92-179688/REB 92-01 PC **A03**/MF **A01**

EPA/600/A-92/093
Compliance Concerns with the New Coliform Regulation.
PB92-179696/REB 92-01 PC **A02**/MF **A01**

EPA/600/A-92/094
Opportunistic Organisms and the Water Supply Connection.
PB92-179704/REB 92-01 PC **A03**/MF **A01**

EPA/600/A-92/098
Asia Pacific Cleaner Production Conference: Cooperative Approaches in Minimising Hazardous Wastes. Held in Melbourne, Australia on February 24-27, 1992.
PB92-180173/REB 92-01 PC **A02**/MF **A01**

EPA/600/A-92/099
Asia Pacific Cleaner Production Conference: International Legislative Trends. Held in Melbourne, Australia on February 24-27, 1992.
PB92-180181/REB 92-01 PC **A02**/MF **A01**

EPA/600/A-92/111
Inspection Techniques for the Fabrication of Geomembrane Field Seams.
PB92-188770/REB 92-01 PC **A02**/MF **A01**

EPA/600/A-92/169
Assessing Toxicity of Organic Chemicals to Anaerobic Treatment Processes.
PB92-217058/REB 92-04 PC **A03**/MF **A01**

EPA/600/A-92/172
Hazardous Waste Degradation by Wood Degrading Fungi.
PB92-217082/REB 92-04 PC **A03**/MF **A01**

EPA/600/A-92/173
Comparison of the Incineration of Medical Waste with Hazardous and Municipal Waste.
PB92-217090/REB 92-04 PC **A03**/MF **A01**

EPA/600/A-92/174
Respirometric Methods for Determination of Biodegradability and Biodegradation Kinetics for Hazardous Organic Pollutant Compounds.
PB92-217108/REB 92-04 PC **A03**/MF **A01**

EPA/600/A-92/183
Development of Emerging Technologies within the SITE Program.
PB92-217322/REB 92-04 PC **A03**/MF **A01**

EPA/600/A-92/184
Microbiological Changes in Source Water Treatment: Reflections in Distribution Water Quality.
PB92-217363/REB 92-04 PC **A03**/MF **A01**

EPA/600/A-92/186
Intelligent Processing Equipment within the Environmental Protection Agency.
PB92-217330/REB 92-04 PC **A02**/MF **A01**

EPA/600/D-91/251
United States Environmental Protection Agency Municipal Waste Combustion Residue Solidification/Stabilization Evaluation Program.
PB92-121177/REB 92-01 PC **A03**/MF **A01**

EPA/600/D-91/252
U.S. EPA Program for Evaluation of Treatment and Utilization Technologies for Municipal Waste Combustion Residues.
PB92-121185/REB 92-01 PC **A03**/MF **A01**

EPA/600/D-91/254
Comparison of Solidification/Stabilization Processes for Treatment of Municipal Waste Combustion Residues. Part 2. Leaching Properties.
PB92-121201/REB 92-01 PC **A03**/MF **A01**

EPA/600/D-91/278
Applicability of UV/Oxidation Technologies to Treat Contaminated Groundwater.
PB92-126853/REB 92-01 PC **A03**/MF **A01**

EPA/600/D-91/279
Lignocellulosic-Plastic Composites from Recycled Materials.
PB92-126861/REB 92-01 PC **A03**/MF **A01**

EPA/600/D-91/285
Prospects for In situ Chemical Treatment for Contaminated Soil.
PB92-126929/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-91/224
Waste Reduction Technology Evaluations of the U.S. EPA WRITE Program.
PB92-108133/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-91/255
Comparison of In situ Vitrification and Rotary Kiln Incineration for Soils Treatment.
PB92-113174/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-91/256
Field-Testing Distribution Water Quality Models.
PB92-113182/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-91/279
Extraction of Mercury from Groundwater Using Immobilized Algae.
PB92-121367/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-91/290
Comparison of Animal Infectivity, Excystation, and Fluorogenic Dye as *Measures of 'Giardia muris' Cyst Inactivation* by Ozone.
PB92-124288/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-91/300
U.S. EPA SITE Demonstration of AWD Technologies' AquaDetox/SVE System.
PB92-124387/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-91/319
RCRA Cover Systems for Waste Management Facilities.
PB92-120435/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/003
Evaluation of Waste Stabilized by the Soliditech SITE Technology.
PB92-136878/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-92/004
Prevention of Waterborne Cholera in the United States.
PB92-136886/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-92/009
Demonstration of Microfiltration Technology.
PB92-136936/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-92/051
EPA SITE Demonstration of the BioTrol Soil Washing Process.
PB92-150655/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/052
U.S. Environmental Protection Agency's SITE Emerging Technology Program: 1991 Update.
PB92-150663/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-92/077
Pollution Prevention Methods in the Surface Coating Industry.
PB92-153337/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/078
AL and the Environment: Knowledge-Based Tools for Environmental Decision Makers.
PB92-153345/REB 92-01 PC **A01**/MF **A01**

EPA/600/J-92/085
Ten Year Review of Plastics Recycling.
PB92-153402/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/102
Reclaiming Fiber from Newsprint Dry Methods.
PB92-153949/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/128
Expert Systems Show Promise for Customer Inquiries. Management and Operations.
PB92-166636/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-92/140
Personnel Protection through Reconnaissance Robotics at Superfund Remedial Sites.
PB92-166743/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-92/149
Humic Substances and Contaminant Transport: A Review.
PB92-179753/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-92/150
Combined Sewer Overflow: Balancing Flow for CSO Abatement.
PB92-179761/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-92/154
Remediation of Leaking USTs: A System for Accessing Case Histories and Related Documents.
PB92-179803/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-92/159
Visions of the Future in Drinking Water Microbiology.
PB92-179852/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-92/160
Underground Storage Tanks on Indian Lands. Education Moderates: An Environmental Treat.
PB92-179860/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-92/161
U.S. EPA's Research on Life-Cycle Analysis.
PB92-179878/REB 92-01 PC **A01**/MF **A01**

EPA/600/J-92/165
Serological Cross-Reactions between *'Escherichia coli'* O157 and other Species of the Genus 'Escherichia'.
PB92-180306/REB 92-01 PC **A01**/MF **A01**

EPA/600/J-92/205
Solidification/Stabilization: Is It Always Appropriate.
PB92-191188/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/206
Development of Predictive Structure-Biodegradation Relationship Models with the Use of Respirometrically Generated Biokinetic Data.
PB92-191196/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/228
Understanding the Fate of Petroleum Hydrocarbons in the Subsurface Environment.
PB92-217157/REB 92-04 PC **A02**/MF **A01**

EPA/600/J-92/234
Drinking Water from Agriculturally Contaminated Groundwater.
PB92-195874/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/236
Safe Drinking Water from Small Systems: Treatment Options.
PB92-198605/REB 92-04 PC **A02**/MF **A01**

EPA/600/J-92/246
Comparison: Organic Emissions from Hazardous Waste Incinerators versus the 1990 Toxics Release Inventory Air Releases.
PB92-206267/REB 92-04 PC **A03**/MF **A01**

EPA/600/J-92/247
Biomethylation and Environmental Transport of Metals.
PB92-206275/REB 92-04 PC **A02**/MF **A01**

EPA/600/J-92/269
Detection and Disinfection of Pathogens in Storm-Generated Flows.
PB92-209311/REB 92-04 PC **A03**/MF **A01**

EPA/600/J-92/283
Environmental Laws and Regulations Relating to Medical Waste Disposal.
PB92-217249/REB 92-04 PC **A03**/MF **A01**

EPA/600/J-92/284
Searching for a Water Supply Connection in the Cabool, Missouri Disease Outbreak of 'Escherichia coli' 0157:H7.
PB92-235662/REB 92-04 PC **A03**/MF **A01**

EPA/600/R-92/028
Annual Risk Reduction Engineering Laboratory Research Symposium (18th) Abstract Proceedings. Held in Cincinnati, Ohio on April 14-16, 1992.
PB92-166859/REB 92-01 PC **A11**/MF **A03**

EPA/600/R-92/046
Pollution Prevention Case Studies Compendium.
PB92-180165/REB 92-01 PC **A06**/MF **A02**

EPA/600/S-92/012
Waste Minimization Assessment for a Manufacturer of Commercial Ice Machines and Ice Storage Bins.
PB92-196351/REB 92-01 PC **A02**/MF **A01**

Intelligent Processing Equipment within the Environmental Protection Agency.
N92-24997/8/REB
92-01
(Order as N92-24987/9/REB, PC **A10**/MF **A03**)

GAC Adsorption of a Mixture of Natural Organic Matter and VOCs in the Presence and Absence of Molecular Oxygen.
(EPA/600/A-92/052)
PB92-153782/REB 92-01 PC **A03**/MF **A01**

Bioavailability to Plants of Sludge-Borne Toxic Organics.
(EPA/600/J-92/101)
PB92-153931/REB 92-01 PC **A03**/MF **A01**

Toxicity Reduction Evaluation at a Municipal Wastewater Treatment Plant Using Mutagenicity as an Endpoint.
(EPA/600/J-92/305)
PB92-232834/REB 92-04 PC **A02**/MF **A01**

Standardized Costs for Water Supply Distribution (for Microcomputers).
(EPA/SW/DK-92/028)
PB92-501436/REB 92-01 CP **D02**

ENVIRONMENTAL PROTECTION AGENCY, CINCINNATI, OH. TECHNICAL SUPPORT DIV.

EPA/810/B-92/001
Quality Assurance Project Plan for the National Pesticide Survey of Drinking Water Wells.
PB92-168509/REB 92-04 PC **A07**/MF **A02**

EPA/810/B-92/006
Quality Assurance Project Plan for the National Pesticide Survey of Drinking Water Wells: Analytical Method 6.
PB92-168558/REB 92-04 PC **A07**/MF **A02**

EPA/810/B-92/009
Quality Assurance Project Plan for the National Pesticide Survey of Drinking Water Wells Referee Analyses for Analytical Method 2 - Organochlorine Pesticides, Analytical Method 4 - Carbamates, Method 5 - Methylcarbamates, Method 7 - Fumigants, and Method 9 - Nitrate/Nitrite.
PB92-168582/REB 92-04 PC **A11**/MF **A03**

EPA/810/B-92/010
Quality Assurance Project Plan for the National Pesticide Survey of Drinking Water Wells: Analytical Method 1.
PB92-168590/REB 92-04 PC **A08**/MF **A02**

EPA/810/B-92/011
Quality Assurance Project Plan for the National Pesticide Survey of Drinking Water Wells: Analytical Method 3.
PB92-168608/REB 92-04 PC **A09**/MF **A02**

ENVIRONMENTAL PROTECTION AGENCY, DENVER, CO. REGION VIII.

EPA/600/J-92/036
Statistical Methodology for Exploring Elevational Differences in Precipitation Chemistry.
PB92-144088/REB 92-01 PC **A03**/MF **A01**

ENVIRONMENTAL PROTECTION AGENCY, LAS VEGAS, NV.

EPA/600/J-92/166
Effects of Sampling Design Parameters on Block Selection.
PB92-180314/REB 92-01 PC **A02**/MF **A01**

Variable Phase Function Approach for the Inversion of Lidar Return Signals.
N92-31073/9/REB
92-04
(Order as N92-31013/5/REB, PC **A16**/MF **A03**)

ENVIRONMENTAL PROTECTION AGENCY, NEW YORK. AIR PROGRAMS BRANCH.

Staten Island/New Jersey Urban Air Toxics Assessment *Project. Quarterly and Summary Data* (for Microcomputers). October 1987-March 1991.
(EPA/DF/DK-92/049)
PB92-504174/REB 92-04 CP **D02**

ENVIRONMENTAL PROTECTION AGENCY, RESEARCH TRIANGLE PARK, NC.

EPA/600/J-92/056
Standard Reference Materials for Chemical and Biological Studies of Complex Environmental Samples.
PB92-150705/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/192
Introduction and Summary. Genotoxicity and Carcinogenicity Databases: An Assessment of the Present Situation.
PB92-188986/REB 92-01 PC **A01**/MF **A01**

EPA/600/R-92/011
Characterization of the Wintertime Boise, Idaho, Air Shed: A Comprehensive Field Study Report for the U.S. EPA Office of Air Quality Planning and Standards.
PB92-136803/REB 92-01 PC **A04**/MF **A01**

Experimental Design and Instrumentation for a Field *Experiment.*
AD-A252 680/4/REB 92-04 PC **A05**/MF **A01**

Annular Denuders for Use in Global Climate and Stratospheric Measurements of Acidic Gases and Particles (Abstract Only).
N91-32531/6/REB
92-01
(Order as N91-32528/2/REB, PC **A05**/MF **A01**)

ENVIRONMENTAL PROTECTION AGENCY, RESEARCH TRIANGLE PARK, NC. AIR AND ENERGY ENGINEERING RESEARCH LAB.

EPA/600/8-91/200
Parametric Analysis of the Installation and Operating Costs of Active Soil Depressurization Systems for Residential Radon Mitigation.
PB92-116037/REB 92-01 PC **A07**/MF **A02**

EPA/600/A-92/002
New Developments in Emission Projection Methodologies.
PB92-139393/REB 92-01 PC **A02**/MF **A01**

EPA/600/A-92/007
Degreasing System Pollution Prevention Evaluation.
PB92-139443/REB 92-01 PC **A03**/MF **A01**

EPA/600/A-92/008
Conceptual Design Issues: Developing a New Highway Vehicle Emissions Estimation Methodology.
PB92-139450/REB 92-01 PC **A02**/MF **A01**

EPA/600/A-92/009
Program to Determine Performance of Fluorinated Ethers and Fluorinated Propanes in a Compressor Calorimeter.
PB92-139468/REB 92-01 PC **A03**/MF **A01**

EPA/600/A-92/046
Assessment of Diagnostic Measurements for Selection for Residential Radon Mitigation.
PB92-153725/REB 92-01 PC **A03**/MF **A01**

EPA/600/A-92/047
Technology for Reduction of CO2 Emissions from the *Transportation Sector.*
PB92-153733/REB 92-01 PC **A03**/MF **A01**

EPA/600/A-92/102
U.S. EPA's Global Climate Change Program: *Landfill* Emissions and Mitigation Research.
PB92-180215/REB 92-01 PC **A03**/MF **A01**

EPA/600/A-92/127
Costs of Radon Diagnostics and Mitigation in School Buildings.
PB92-198282/REB 92-04 PC **A03**/MF **A01**

EPA/600/A-92/129
Landfill Gas Utilization: Options, Benefits, and Barriers.
PB92-195916/REB 92-01 PC **A03**/MF **A01**

EPA/600/A-92/130
Analysis of Emissions from Residential Oil Furnaces and Comparison with Woodstove Emissions.
PB92-195924/REB 92-01 PC **A03**/MF **A01**

EPA/600/A-92/131
Novel Method of Reducing Transient Emissions from Rotary Kiln Incinerators through Modified Waste Packaging.
PB92-195932/REB 92-01 PC **A02**/MF **A01**

EPA/600/A-92/134
Reducing Mercury Emission from Municipal Waste Combustion with Carbon Injection into Flue Gas.
PB92-195965/REB 92-04 PC **A03**/MF **A01**

EPA/600/A-92/136
Analysis of Emissions from Residential Oil Furnaces.
PB92-195981/REB 92-01 PC **A03**/MF **A01**

EPA/600/A-92/143
EPA's Control Technology Center: Technical Support to Federal, State, and Local Agencies.
PB92-198233/REB 92-04 PC **A02**/MF **A01**

EPA/600/A-92/146
VOC Prevention Options for Surface Coating.
PB92-198266/REB 92-04 PC **A03**/MF **A01**

EPA/600/A-92/170
Landfill Gas Recovery/Utilization: Options and Economics.
PB92-217066/REB 92-04 PC **A03**/MF **A01**

EPA/600/D-91/235
Florida Radon Research Program: Technical Support for the Development of Radon Resistant Construction Standards.
PB92-108109/REB 92-01 PC **A03**/MF **A01**

EPA/600/D-91/243
Effects on Electrostatic Precipitation of Changes in Grain Loading, Size Distribution, Resistivity, and Temperature.
PB92-113109/REB 92-01 PC **A03**/MF **A01**

EPA/600/D-91/244
Evaluation of Pilot ESP Performance with Elevated Loadings from Sorbent Injection Processes.
PB92-113117/REB 92-01 PC **A03**/MF **A01**

EPA/600/D-91/245
SUPER ESP: Ultimate Electrostatic Precipitation.
PB92-113125/REB 92-01 PC **A03**/MF **A01**

EPA/600/D-91/259
U.S. EPA Office of Research and Development Overview of Current Radon Research.
PB92-121250/REB 92-01 PC **A02**/MF **A01**

EPA/600/D-91/260
Sub-Slab Pressure Field Extension in Schools and Other Large Buildings.
PB92-121268/REB 92-01 PC **A03**/MF **A01**

EPA/600/D-91/271
Design, Development, and Implementation of AIRS' Area and Mobile Source Subsystem.
PB92-124213/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-89/550
Combustion Control of Trace Organic Air Pollutants from Municipal Waste Combustors.
PB92-113158/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-90/549
Cleaning of Flue Gases from Waste Combustors, 1990.
PB92-121300/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-91/280
Stationary Combustion NOx Control: A Summary of the 1991 Symposium. Held in Washington, DC., March 25-28, 1991.
PB92-121375/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-91/320
Cost Analysis of Soil Depressurization Techniques for Indoor Radon Reduction.
PB92-120443/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/005
Stratospheric Ozone Protection: An EPA Engineering Perspective.
PB92-136894/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-92/044
Near-Continuous Measurement of Hydrogen Sulfide and Carbonyl Sulfide by an Automatic Gas Chromatograph.
PB92-150598/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-92/048
EPA's Research Projects Relating to the Dual-Circuit and Lorenz Refrigerator/Freezers.
PB92-150630/REB 92-01 PC **A01**/MF **A01**

EPA/600/J-92/087
Simulation Results of Single Refrigerants for Use in a Dual-Circuit Refrigerator/Freezer.
PB92-153790/REB 92-01 PC **A01**/MF **A01**

EPA/600/J-92/164
Radon Prevention in the Design and Construction of Schools and other Large Buildings.
PB92-180298/REB 92-01 PC **A01**/MF **A01**

EPA/600/J-92/224
Case Study of Radon Diagnostics and Mitigation in a New York State School.
PB92-198571/REB 92-04 PC **A02**/MF **A01**

EPA/600/J-92/225
Comparison of Data from an IAQ Test House with Predictions of an IAQ Computer Model.
PB92-198589/REB 92-04 PC **A03**/MF **A01**

EPA/600/J-92/265
Air Pollution Engineering Research at the U.S. Environmental Protection Agency.
PB92-206457/REB 92-04 PC **A01**/MF **A01**

EPA/600/R-92/001
Documentation of AIRS AMS National Methodologies.
PB92-132869/REB 92-01 PC **A07**/MF **A02**

EPA/600/R-92/025
Indoor Air Quality Data Base for Organic Compounds.
PB92-158468/REB 92-01 PC **A04**/MF **A01**

EPA/600/R-92/052A
Proceedings: 1989 International Conference on Municipal Waste Combustion. Volume 1. Sessions 0, 1, 2, and 3. Held in Hollywood, Florida, on April 11-14, 1989.
PB92-174663/REB 92-01 PC **A19**/MF **A04**

EPA/600/R-92/052B
Proceedings: 1989 International Conference on Municipal Waste Combustion. Volume 2. Sessions 4, 5, and 6. Held in Hollywood, Florida on April 11-14, 1989.
PB92-174671/REB 92-01 PC **A19**/MF **A04**

EPA/600/R-92/052B
Proceedings: 1989 International Conference on Municipal Waste Combustion. Volume 4. Sessions 9, 10, 11, and 12. Held in Hollywood, Florida on April 11-14, 1989.
PB92-174697/REB 92-01 PC **A21**/MF **A04**

EPA/600/R-92/052C
Proceedings: 1989 International Conference on Municipal Waste Combustion. Volume 3. Sessions 7 and 8. Held in Hollywood, Florida, on April 11-14, 1989.
PB92-174689/REB 92-01 PC **A19**/MF **A04**

EPA-600/R-92/084
Development of a Core Combustion Research Program Plan for EPA.
PB92-180868/REB 92-01 PC **A03**/MF **A01**

EPA/600/R-92/127
Mutagenicity of Emissions from the Simulated Open Burning of Scrap Rubber Tires.
PB92-217009/REB 92-04 PC **A04**/MF **A01**

EPA/600/R-92/171
Mobile Air-Conditioning Recycling Manual.
PB92-235688/REB 92-04 PC **A08**/MF **A02**

Proceedings: 1989 International Conference on Municipal Waste Combustion. Held in Hollywood, Florida, on April 11-14, 1989.
PB92-174655/REB 92-01 PC **E99**/MF **E99**

National Acid Precipitation Assessment Program (NAPAP) Emissions Inventory, 1985 (Version 2). Development of the Annual Data and Modelers' (for Microcomputers).
(EPA/DF/DK-92/025)
PB92-501139/REB 92-01 CP **D04**

Hazardous Air Pollutant Program (HAP-PRO). Version 1 (for Microcomputers).
(EPA/SW/DK-92/025)
PB92-501212/REB 92-01 CP **D03**

Electrostatic Precipitator V-I (ESPVI 4.0) and Performance Prediction Model (for Microcomputers).
(EPA/SW/DK-92/044)
PB92-502251/REB 92-04 CP **D02**

ENVIRONMENTAL PROTECTION AGENCY, RESEARCH TRIANGLE PARK, NC. ATMOSPHERIC RESEARCH AND EXPOSURE ASSESSMENT LAB.

EPA/600/3-91/065
Regional Fine Particle Field Study: Data Base and Initial Results.
PB92-106939/REB 92-01 PC **A05**/MF **A01**

EPA/600/3-91/066
Forest Health Monitoring, New England, 1990. Annual Report.
PB92-113018/REB 92-01 PC **A07**/MF **A02**

EPA/600/3-91/074
Role of Climate in Forest Monitoring and Assessment: A New England Example.
PB92-132885/REB 92-01 PC **A06**/MF **A02**

EPA/600/8-91/215
Technical Assistance Document for Sampling and Analysis of Ozone Precursors.
PB92-122795/REB 92-01 PC **A09**/MF **A02**

EPA/600/A-92/035
Sensitivity of RADM to Point Source Emissions Processing.
PB92-152982/REB 92-01 PC **A02**/MF **A01**

EPA-600/A-92/042
Emissions and Fuel Economy of DOE Flex-Fuel Vehicles.
PB92-153055/REB 92-01 PC **A03**/MF **A01**

EPA/600/A-92/056
Performances of Lagrangian and Eulerian Transport and Diffusion Models across Continental Scales.
PB92-158500/REB 92-01 PC **A02**/MF **A01**

EPA/600/A-92/057
AcidMODES: A Major Field Study to Evaluate Regional Scale Air Pollution Models.
PB92-158518/REB 92-01 PC **A03**/MF **A01**

EPA/600/A-92/058
Effect of Sub-Grid-Scale Rainfall Analysis on Sulfate Wet Deposition Estimates in the Regional Lagrangian Model of Air Pollution (RELMAP).
PB92-158526/REB 92-01 PC **A02**/MF **A01**

EPA/600/A-92/067
Concentrations from Above-Roof Releases of Laboratory Exhausts: A Wind Tunnel Study.
PB92-164821/REB 92-01 PC **A03**/MF **A01**

EPA/600/A-92/069
Clean Air Act Requirements for Trace Metals Information.
PB92-164995/REB 92-01 PC **A02**/MF **A01**

EPA/600/A-92/116
Current and Future Environmental Role of Atmospheric Methane: Model Studies and Uncertainties.
PB92-188820/REB 92-01 PC **A03**/MF **A01**

EPA/600/A-92/120
Acid Aerosol Measurement Methods: Studies of Extraction and Analytical Effects.
PB92-191154/REB 92-01 PC **A02**/MF **A01**

EPA/600/A-92/123
Customer/Supplier Accountability and Quality Assurance (QA) Program Implementation.
PB92-191162/REB 92-01 PC **A02**/MF **A01**

EPA/600/A-92/124
Spatial and Temporal Analysis of Non-Urban Ozone Concentrations over the Eastern United States Using Rotated Principal Component Analysis.
PB92-192152/REB 92-01 PC **A02**/MF **A01**

EPA/600/A-92/125
Open Path Ambient Measurements of Pollutants with a DOAS System.
PB92-192160/REB 92-01 PC **A02**/MF **A01**

EPA/600/A-92/139
Meteorological and Site Influences Affecting the Comparison of Nephelometer and Photographic Determinations of Light Extinction at Rural Sites in the Eastern United States.
PB92-195999/REB 92-01 PC **A03**/MF **A01**

EPA/600/A-92/148
Chemical and Physical Properties of Emissions from Kuwait Oil Fires.
PB92-206481/REB 92-04 PC **A03**/MF **A01**

EPA/600/A-92/152
Advanced Emissions Speciation Methodologies for the Auto/Oil Air Quality Improvement Research Program. 2. Aldehydes, Ketones, and Alcohols.
PB92-206523/REB 92-04 PC **A03**/MF **A01**

EPA/600/A-92/175
Educating Managers about Quality through Customer-Supplier Understanding. Overview of Current Training Initiatives in Energy and Environmental Programs. Annual National Energy and Environmental Quality Division Conference (19th).
PB92-217116/REB 92-04 PC **A03**/MF **A01**

EPA/600/D-91/240
Impact of Methanol and CNG Fuels on Motor Vehicle Toxic Emissions.
PB92-110378/REB 92-01 PC **A03**/MF **A01**

EPA/600/D-91/242
Status and Needs for Toxic Emission Inventories for Regional Dispersion and Deposition Modeling.
PB92-110394/REB 92-01 PC **A03**/MF **A01**

EPA/600/D-91/255
U.S. Standards for Air Sampling of Environmental Contaminants: Current Basis and Future Options.
PB92-121219/REB 92-01 PC **A03**/MF **A01**

EPA/600/D-91/263
Source Reconciliation of Ambient Volatile Organic Compounds Measured in the Atlanta 1990 Summer Study: The Mobile Source Component.
PB92-124130/REB 92-01 PC **A03**/MF **A01**

EPA/600/D-91/287
Evaluation of a Sampling and Analysis Method for Determination of Polyhalogenated Dibenzo-p-Dioxins and Dibenzofurans in Ambient Air.
PB92-129600/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-91/254
Production of Carbon Monoxide by the Homogeneous NOx-Induced Photooxidation of Volatile Organic Compounds in the Troposphere.
PB92-110576/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/129
Fluid Modeling Simulation of Stack-Tip Downwash for Neutrally Buoyant Plumes.
PB92-166644/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/131
Stability of Tropospheric OH during Ice Ages, Inter-Glacial Epochs and Modern Times.
PB92-166669/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-92/132
Sampling and Analysis of PCDDs and PCDFs in Stationary Source Emission Air Samples.
PB92-166677/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-92/133
Improved Method for Estimating Molecular Weights of Volatile Organic Compounds from Low Resolution Mass Spectra.
PB92-166685/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/134
Composition of Motor Vehicle Organic Emissions under Elevated Temperature Summer Driving Conditions (75 to 105 deg F).
PB92-166693/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-92/137
Tedlar Bag Sampling System for Toxic Organic Compounds in Source Emission Sampling and Analysis.
PB92-166719/REB 92-01 PC **A01**/MF **A01**

EPA/600/J-92/138
High-Volume Impactor for Sampling Fine and Coarse Particles.
PB92-166727/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-92/144
Advanced Emission Speciation Methodologies for the Auto/Oil Air Quality Improvement Research Program. 1. Hydrocarbons and Ethers.
PB92-166784/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/187
Physical and Chemical Characterization of Indoor Aerosols Resulting from the Use of Tap Water in Portable Home Humidifiers.
PB92-188937/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-92/263
Canister-Based Method for Monitoring Toxic VOCs in Ambient Air.
PB92-206432/REB 92-04 PC **A03**/MF **A01**

EPA/600/J-92/295
Apportionment of Residential Indoor Aerosol, VOC, and Aldehyde Species to Indoor and Outdoor Sources, and Their Source Strengths.
PB92-227370/REB 92-04 PC **A02**/MF **A01**

EPA/600/R-92/029
Report of the Great Lakes Air Toxics Research Priorities Workshop. Held at Navarre, Minnesota on March 11-13, 1991.
PB92-166933/REB 92-01 PC **A03**/MF **A01**

EPA/600/R-92/050
Evaluation of the Fourier Transform Infrared Spectrometer for Particle-Associated Ammonium Sulfate Determination.
PB92-160084/REB 92-01 PC **A04**/MF **A01**

EPA/600/R-92/067
Sensitivity of Modeled Ozone Concentrations to Uncertainties in Biogenic Emissions.
PB92-192202/REB 92-01 PC **A10**/MF **A03**

EPA/600/R-92/077
NEXRAD Precipitation Information Application Forum Climate and Global Change.
PB92-180082/REB 92-01 PC **A03**/MF **A01**

Regional Oxidant Model (ROM), (Source Code Only) (Version 2.1).
(EPA/SW/MT-92/023)
PB92-500842/REB 92-01 MagTape$1500.00

Regional Oxidant Model (ROM), Source Code and Test Data (Version 2.1).
(EPA/SW/MT-92/024)
PB92-500859/REB 92-01 MagTape$4000.00

ENVIRONMENTAL PROTECTION AGENCY, RESEARCH TRIANGLE PARK, NC. CELL AND MOLECULAR BIOLOGY SECTION.

EPA/600/J-92/280
Differences in Arachidonic Acid Metabolism by Human Myelomonocytic Cell Lines.
PB92-217215/REB 92-04 PC **A02**

ENVIRONMENTAL PROTECTION AGENCY, RESEARCH TRIANGLE PARK, NC. ENVIRONMENTAL CRITERIA AND ASSESSMENT OFFICE.

ECAO-R-0082-VOL-1
Air Quality Criteria for Oxides of Nitrogen. Volume 1.
PB92-176361/REB 92-01 PC **A20**/MF **A04**

ECAO-R-0082-VOL-2
Air Quality Criteria for Oxides of Nitrogen. Volume 2.
PB92-176379/REB 92-01 PC **A99**/MF **A06**

ECAO-R-0082-VOL-3
Air Quality Criteria for Oxides of Nitrogen. Volume 3.
PB92-176387/REB 92-01 PC **A23**/MF **A04**

ECAO-R-0314
Indoor Air Assessment: A Review of Indoor Air Quality Risk Characterization Studies.
PB92-109107/REB 92-01 PC **A06**/MF **A02**

ECAO-R-0516
Indoor Air-Assessment: An Inventory of Indoor Air Quality Research in the United States: 1989-1990.
PB92-114545/REB 92-01 PC **A10**/MF **A03**

EPA/600/8-88/105F
Summary of Selected New Information on Effects of Ozone on Health and Vegetation: Supplement to 1986 Air Quality Criteria for Ozone and Other Photochemical Oxidants.
PB92-235670/REB 92-04 PC **A05**/MF **A02**

EPA/600/8-90/044
Indoor Air Assessment: A Review of Indoor Air Quality Risk Characterization Studies.
PB92-109107/REB 92-01 PC **A06**/MF **A02**

EPA/600/8-90/080F
Indoor Air-Assessment: An Inventory of Indoor Air Quality Research in the United States: 1989-1990.
PB92-114545/REB 92-01 PC **A10**/MF **A03**

EPA/600/8-91/049AA
Air Quality Criteria for Oxides of Nitrogen. Volume 1.
PB92-176361/REB 92-01 PC **A20**/MF **A04**

EPA/600/8-91/049AB
Air Quality Criteria for Oxides of Nitrogen. Volume 2.
PB92-176379/REB 92-01 PC **A99**/MF **A06**

EPA/600/8-91/049CA
Air Quality Criteria for Oxides of Nitrogen. Volume 3.
PB92-176387/REB 92-01 PC **A23**/MF **A04**

Air Quality Criteria for Oxides of Nitrogen.
PB92-176353/REB 92-01 PC **E99**/MF **E99**

ENVIRONMENTAL PROTECTION AGENCY, RESEARCH TRIANGLE PARK, NC. NEUROTOXICOLOGY DIV.

EPA/600/J-92/063
Effects of NGF and Fetal Cell Transplants on Spatial Learning after Intradentate Administration of Colchicine.
PB92-150770/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/107
Neurobiological Effects of Colchicine: Modulation by Nerve Growth Factor.
PB92-158633/REB 92-01 PC **A03**/MF **A01**

ENVIRONMENTAL PROTECTION AGENCY, RESEARCH TRIANGLE PARK, NC. OFFICE OF AIR QUALITY PLANNING AND STANDARDS.

AP-42-SUPPL-D
Compilation of Air Pollutant Emission Factors. Volume 1. Stationary Point and Area Sources. Fourth Edition. Supplement D.
PB92-126945/REB 92-01 PC **A07**/MF **A02**

EPA/450/2-91/008
Clean Air Act Section 183(d) Guidance on Cost-Effectiveness.
PB92-136795/REB 92-01 PC **A03**/MF **A01**

EPA/450/2-91/009
Status of Selected Air Pollution Control Programs, February 1992.
PB92-171966/REB 92-01 PC **A09**/MF **A02**

EPA/450/2-92/001
Review of the National Ambient Air Quality Standards for Ozone Assessment of Scientific and Technical Information. OAQPS Staff Paper.
PB92-190446/REB 92-01 PC **A17**/MF **A03**

EPA/450/3-90/018
Enabling Document for New Source Performance Standards for Air Oxidation Processes and Distillation Operations in the Synthetic Organic Chemical Manufacturing Industry.
PB92-161967/REB 92-01 PC **A04**/MF **A01**

EPA/450/3-91/013
Enabling Document for Regulations Governing Compliance Extensions for Early Reductions of Hazardous Air Pollutants.
PB92-180132/REB 92-01 PC **A07**/MF **A02**

EPA/450/3-91/020A
Dry Cleaning Facilities: Background Information for Proposed Standards.
PB92-126762/REB 92-01 PC **A07**/MF **A02**

EPA/450/3-91/021
Economic Impact Analysis of Regulatory Controls in the Dry Cleaning Industry.
PB92-126770/REB 92-01 PC **A11**/MF **A03**

EPA/450/3-91/022A
Technical Guidance: State II Vapor Recovery Systems for Control of Vehicle Refueling Emissions at Gasoline Dispensing Facilities. Volume 1. Chapters.
PB92-132844/REB 92-01 PC **A10**/MF **A03**

EPA/450/3-91/022B
Technical Guidance: Stage II Vapor Recovery Systems for Control of Vehicle Refueling Emissions at Gasoline Dispensing Facilities. Volume 2. Appendices.
PB92-132851/REB 92-01 PC **A20**/MF **A04**

EPA/450/3-91/030
Documentation for Developing the Initial Source Category List.
PB92-218429/REB 92-04 PC **A16**/MF **A03**

EPA/450/3-91/0100
Human Exposure Model-II: User's Guide.
PB92-186246/REB 92-01 PC **A08**/MF **A02**

EPA/450/3-92/005
Questions and Answers about the Early Reductions Program.
PB92-180124/REB 92-01 PC **A04**/MF **A01**

EPA/450/3-92/015
Production of Acetal, Amino, and Phenolic Resins.
PB92-213263/REB 92-04 PC **A08**/MF **A02**

EPA/450/4-90/007G
User's Guide for the Urban Airshed Model. Volume 7. User's Manual for the Performance Evaluation System.
PB92-224849/REB 92-04 PC **A07**/MF **A02**

EPA/450/4-91/013
Guideline for Regulatory Application of the Urban Airshed Model.
PB92-108760/REB 92-01 PC **A05**/MF **A01**

EPA/450/4-91/016
Procedures for the Preparation of Emission Inventories for Carbon Monoxide and Precursors of Ozone. Volume 1. General Guidance for Stationary Sources.
PB92-112168/REB 92-01 PC **A11**/MF **A03**

EPA/450/4-91/023
National Air Quality and Emissions Trends Report, 1990.
PB92-141555/REB 92-01 PC **A07**/MF **A02**

EPA/450/4-91/031
Guideline Series: Control of Volatile Organic Compound Emissions from Reactor Processes and Distillation Operations Processes in the Synthetic Organic Chemical Manufacturing Industry.
PB92-180009/REB 92-01 PC **A09**/MF **A03**

EPA/450/4-92/001
Tiered Modeling Approach for Assessing the Risks Due to Sources of Hazardous Air Pollutants.
PB92-164748/REB 92-01 PC **A03**/MF **A01**

EPA/450/4-92/009
Guide for Using the Empirical Kinetics Modeling Approach Interface (EKMAI).
PB92-196005/REB 92-01 PC **A03**/MF **A01**

EPA/452/B-92/001
Directory of OAQPS Information Services, May 1992.
PB92-198654/REB 92-01 PC **A03**/MF **A01**

EPA/453/R-92/002
RACT/BACT/LAER Clearinghouse: A Compilation of Control Technology Determinations. Second Supplement to the 1990 Edition.
PB92-235647/REB 92-04 PC **A20**/MF **A04**

EPA/454/R-92/001
Interagency Workgroup on Air Quality Modeling (IWAQM) Work Plan Rationale.
PB92-213248/REB 92-04 PC **A03**/MF **A01**

EPA/500/K-92/002
Air Quality Atlas.
PB92-190248/REB 92-01 PC **A03**/MF **A01**

EPA/4503-91/012A
Procedures for Establishing Emissions for Early Reduction Compliance Extensions. Volume 1. Synthetic Organic Chemical Manufacturing, Ethylene Oxide Sterilization, and Chromium Electroplating.
PB92-176221/REB 92-01 PC **A05**/MF **A01**

Volatile Organic Compound and Particulate Matter (VOC/PM) Speciation Data Base Management System (SPECIATE), Version 1.4 (for Microcomputers).
(EPA/DF/DK-92/016)
PB92-500354/REB 92-01 CP **D02**

Crosswalk/Air Toxic Emission Factor Data Base Management System (XATEF), (Version 1.2) (for Microcomputers).
(EPA/SW/DK-92/030)
PB92-501626/REB 92-01 CP **D02**

ENVIRONMENTAL PROTECTION AGENCY, RESEARCH TRIANGLE PARK, NC. QUALITY ASSURANCE MANAGEMENT STAFF.

EPA/600/A-92/011
Development of a National Consensus Standard for Quality Assurance for Environmental Programs.
PB92-143783/REB 92-01 PC **A03**/MF **A01**

EPA/600/A-92/163
At the Threshold: A National Consensus Quality Systems Standard for Environmental Programs, 1992.
PB92-209295/REB 92-04 PC **A03**/MF **A01**

ENVIRONMENTAL PROTECTION AGENCY, RESEARCH TRIANGLE PARK, NC. REPRODUCTIVE TOXICOLOGY BRANCH.

EPA/600/J-92/064
Effect of Inhaled Methanol on Pituitary and Testicular Hormones in Chamber Acclimated and Non-Acclimated Rats.
PB92-150788/REB 92-01 PC **A03**/MF **A01**

ENVIRONMENTAL PROTECTION AGENCY, RESEARCH TRIANGLE PARK, NC. SOURCE METHODS RESEARCH BRANCH.

EPA/600/A-92/114
Quality Assurance Planning for Stationary Source Field Sampling.
PB92-188804/REB 92-01 PC **A02**/MF **A01**

ENVIRONMENTAL PROTECTION AGENCY, SEATTLE, WA. HAZARDOUS WASTE DIV.

Developing Sediments Quality Standards: Comprehensive Sediment Management in Puget Sound.
AD-P006 465/9/REB 92-01 PC **A03**/MF **A01**

ENVIRONMENTAL PROTECTION AGENCY, SEATTLE, WA. OFFICE OF RESEARCH AND DEVELOPMENT.

Toxicological Assessment of Hazardous Wastes.
AD-P006 468/3/REB 92-01 PC **A03**/MF **A01**

ENVIRONMENTAL PROTECTION AGENCY, SEATTLE, WA. PUGET SOUND ESTUARY PROGRAM.

EPA/910/9-91/038
Beyond the Border: Environmental Management in Washington and British Columbia.
PB92-166883/REB 92-01 PC **A08**/MF **A02**

ENVIRONMENTAL PROTECTION AGENCY, SEATTLE, WA. REGION X.

EPA/910/9-89/027F
Chetco Ocean Dredged Material Disposal Site (ODMDS) Designation: Final Environmental Impact Statement.
PB92-104470/REB 92-01 PC **A08**/MF **A02**

EPA/910/9-91/033
Characteristics of Successful Riparian Restoration Projects in the Pacific Northwest.
PB92-196039/REB 92-04 PC **A04**/MF **A01**

EPA/910/9-91/039
Land Manager's Guide to Water Quality Monitoring.
PB92-132602/REB 92-01 PC **A02**/MF **A01**

EPA/910/9-91/046
Oil Tanker Waste Disposal Practices: A Review.
PB92-196047/REB 92-01 PC **A03**/MF **A01**

EPA/910/9-92/003
Environmental Guidance: For Very Small Communities.
PB92-196021/REB 92-01 PC **A03**/MF **A01**

ENVIRONMENTAL PROTECTION AGENCY, WASHINGTON, DC.

EPA/DF/DK-92/045
Fish Communities in Lakes in Subregion 2B (Upper Peninsula of Michigan) in Relation to Lake Acidity. Volume 1 and Volume 2: Appendices. Data Tape Documentation.
PB92-169630/REB 92-04 PC **A11**/MF **A03**

EPA/579/09-91/020
Another Look: National Survey of Pesticides in Drinking Water Wells. Phase 2 Report.
PB92-120831/REB 92-01 PC **E05**/MF **A03**

EPA Publications Bibliography 1984-1990. Part 1. Report Summaries. Part 2. Indexes.
PB91-205500/REB 92-01 PC**$200.00**

Application for Certification 1991 Model Year Light-Duty Vehicles.
PB91-242636/REB 92-01 PC **E99**/MF **E99**

Application for Certification 1991 Model Year Heavy-Duty Vehicles.
PB91-242750/REB 92-01 PC **E99**/MF **E99**

Application for Certification 1992 Model Year Light-Duty Vehicles.
PB92-122217/REB 92-01 PC **E99**/MF **E99**

Application for Certification 1992 Model Year Heavy-Duty Vehicles.
PB92-122498/REB 92-01 PC **E99**/MF **E99**

Toxic Substances Control Act (TSCA) Chemical Substances Inventory: Revised Inventory Synonym and Preferred Name File. January 1992 Magnetic Tape Documentation.
(EPA/DF/MT-92/027A)
PB92-140755/REB 92-01 PC **A03**/MF **A01**

Application for Certification 1992 Model Year Light-Duty Vehicles.
PB92-182781/REB 92-04 PC **E99**/MF **E99**

Application for Certification 1992 Model Year Heavy-Duty Vehicles.
PB92-182914/REB 92-04 PC **E99**/MF **E99**

Toxic Substances Control Act (TSCA) Chemical Substances Inventory: Revised Inventory Synonym and Preferred Name File, January 1992.
(EPA/DF/MT-92/027)
PB92-501386/REB 92-01 CP **T05**

Fish and Chemistry Data for the Upper Peninsula of Michigan Report (for Microcomputers).
(EPA/DF/DK-92/045)
PB92-503085/REB 92-04 CP **D02**

Health Effects Assessment Summary Tables.
PB92-921100/REB 92-01 Standing Order

ENVIRONMENTAL PROTECTION AGENCY, WASHINGTON, DC. ASSOCIATE ADMINISTRATOR FOR COMMUNICATIONS AND PUBLIC AFFAIRS.

EPA/21K-1012
Preserving Our Future Today: Your Guide to the United States Environmental Protection Agency.
PB92-226190/REB 92-04 PC **A03**/MF **A01**

ENVIRONMENTAL PROTECTION AGENCY, WASHINGTON, DC. CHEMICAL EMERGENCY PREPAREDNESS AND PREVENTION OFFICE.

OSWER-92-009
Title 3 on Indian Lands: A Guide to the Emergency Planning and Community Right-to-Know Act. (Technical Assistance Bulletin). Volume 10, Number 2.
PB92-224740/REB 92-04 PC **A03**/MF **A01**

ENVIRONMENTAL PROTECTION AGENCY, WASHINGTON, DC. CRITERIA AND STANDARDS DIV.

EPA/440/5-89/002
Briefing Report to the EPA Science Advisory Board on the Equilibrium Partitioning Approach to Generating Sediment Quality Criteria.
PB92-231521/REB 92-04 PC **A08**/MF **A02**

ENVIRONMENTAL PROTECTION AGENCY, WASHINGTON, DC. EFFLUENT GUIDELINES DIV.

EPA/440/1-75/038
Development Document for Interim Final Effluent Limitations Guidelines and Proposed New Source Performance Standards for the Calcium Carbide Segment of the Ferroally Manufacturing. Point Source Category. Group 1, Phase 2.
PB92-231919/REB 92-04 PC **A05**/MF **A01**

EPA/440/1-75/043A
Developmental Document for Effluent Limitations Guidelines and New Source Performance Standards for the Other Non-Fertilizer Phosphate Chemicals Segment of the Phosphate Manufacturing. Point Source Category. Group 1, Phase 2.
PB92-231992/REB 92-04 PC **A06**/MF **A02**

EPA/440/1-75/044
Development Document for Interim Final Effluent Limitations Guidelines and Proposed New Source Performance Standards for the Raw Cane Sugar Processing. Segment of the Sugar Processing. Point Source Category. Group 1, Phase 2.
PB92-231968/REB 92-04 PC **A14**/MF **A03**

EPA/440/1-75/046
Development Document for Interim Final and Proposed Effluent Limitations Guidelines and New Source Performance Standards for the Fruits, Vegetables and Specialties. Segment of the Canned and Preserved Fruits and Vegetables. Point Source Category.
PB92-232065/REB 92-04 PC **A23**/MF **A04**

EPA/440/1-76/047A
Development Document for Interim Final and Proposed Effluent Limitations Guidelines and Proposed New Source Performance Standards for the Bleached Kraft, Groundwood, Sulfite, Soda, Deink, and Non-Integrated Paper Mills. Point Source Category. Volume 2. Sections 8 - 15.
PB92-231562/REB 92-04 PC **A13**/MF **A03**

EPA/440/1-76/047A
Development Document for Interim Final and Proposed Effluent Limitations Guidelines and Proposed New Source Performance Standards for the Bleached Kraft, Groundwood, Sulfite, Soda, Deink and Non-Integrated Paper Mills. Volume 1. Segment of the Pulp, Paper, and Paperboard. Point Source Category. Group 1. Phase 2.
PB92-231869/REB 92-04 PC **A20**/MF **A04**

EPA/440/1-76/060J
Development Document for Interim Final Effluent Limitations Guidelines and Proposed New Source Performance Standards for the Explosives Manufacturing. Point Source Category. Group 2.
PB92-231950/REB 92-04 PC **A11**/MF **A03**

EPA/440/1-78/031E
Supplement of Development Document Effluent Limitations, Guidelines New Source Performance Standards Reprint for the Renderer Segment of the Meat Products and Rendering. Point Source Category.
PB92-232008/REB 92-04 PC **A04**/MF **A01**

EPA/440/1-78/090
Guidance Development Document for Effluent Limitations Guidelines and New Source Performance Standards for the Concrete Products. Point Source Category.
PB92-231943/REB 92-04 PC **A08**/MF **A02**

EPA/440/1-79/076B
Development Document for Proposed Effluent Limitations Guidelines and Standards for the Shipbuilding and Repair. Point Source Category.
PB92-232032/REB 92-04 PC **A07**/MF **A02**

EPA/440/1-79/078B
Development Document for Effluent Limitations Guidelines and Standards for the Gum and Wood Chemicals Manufacturing. Point Source Category.
PB92-232040/REB 92-04 PC **A12**/MF **A03**

EPA/440/1-82/029
Development Document for Effluent Limitations Guidelines and Standards and Pretreatment Standards for the Steam Electric: Point Source Category.
PB92-226422/REB 92-04 PC **A99**/MF **A06**

EPA/440/1-83/400
Summary of Available Information on the Levels and Control of Toxic Pollutants Discharges in the Printing and Publishing. Point Source Category.
PB92-231703/REB 92-04 PC **A08**/MF **A02**

EPA/440/1-84/075
Development Document for Effluent Limitations. Guidelines for the Electrical and Electronic Components. Point Source Category. Phase 2.
PB92-232016/REB 92-04 PC **A09**/MF **A02**

Guidance Manual for Pulp, Paper, and Paperboard and Builders' Paper and Board Mills Pretreatment Standards.
PB92-231638/REB 92-04 PC **A04**/MF **A01**

Guidance Document for Effluent Discharges from the Auto and Other Laundries. Point Source Category.
PB92-231927/REB 92-04 PC **A09**/MF **A03**

Development Document for Proposed Effluent Limitations Guidelines and Standards for Control of Polychlorinated Biphenyls in the Deink Subcategory of the Pulp, Paper and Paperboard. Point Source Category.
PB92-231984/REB 92-04 PC **A05**/MF **A01**

ENVIRONMENTAL PROTECTION AGENCY, WASHINGTON, DC. ENGINEERING AND ANALYSIS DIV.

EPA/821/R-92/005
Development Document for Best Available Technology, Pretreatment Technology, and New Source Performance Technology for the Pesticide Chemical Industry. Proposed. (Pesticide Chemicals Manufacturing Category Effluent Limitations Guidelines, Pretreatment Standards, and New Source Performance Standards).
PB92-173541/REB 92-01 PC **A21**/MF **A04**

ENVIRONMENTAL PROTECTION AGENCY, WASHINGTON, DC. HAZARDOUS SITE EVALUATION DIV.

Preliminary Ranking Evaluation Score (PREscore) Version 1.1 (for Microcomputers).
(EPA/SW/DK-92/048)
PB92-503507/REB 92-04 CP **D02**

ENVIRONMENTAL PROTECTION AGENCY, WASHINGTON, DC. HEADQUARTERS LIBRARY.

EPA/220/B-92/019
EPA Journal Holdings Report, 1992.
PB92-217728/REB 92-04 PC **A12**/MF **A03**

ENVIRONMENTAL PROTECTION AGENCY, WASHINGTON, DC. INDUSTRIAL TECHNOLOGY DIV.

Method 1624: Volatile Organic Compounds by Isotope Dilution GCMS; Method 1625: Semivolatile Organic Compounds by Isotope Dilution GCMS.
PB92-231976/REB 92-04 PC **A05**/MF **A01**

Guide for the Application of Effluent Limitations Guidelines for the Petroleum Refining Industry.
PB92-232057/REB 92-04 PC **A11**/MF **A03**

ENVIRONMENTAL PROTECTION AGENCY, WASHINGTON, DC. INFORMATION MANAGEMENT AND SERVICES DIV.

EPA/IMSD-91/010
EPA Journal Holdings Report, 1991.
PB92-132810/REB 92-01 PC **A12**/MF **A03**

EPA/220/B-92/014
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Guidance for State Water Monitoring and Wasteload Allocation Programs.
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EPA's Review and Approval Procedure for State Submitted TMDLs/WLAs.
PB92-231588/REB 92-04 PC **A03**/MF **A01**

ENVIRONMENTAL PROTECTION AGENCY, WASHINGTON, DC. OFFICE OF ADMINISTRATION.

EPA (Environmental Protection Agency) Publications Bibliography, Quarterly Abstract Bulletin.
PB92-904200/REB 92-01 Subscription

ENVIRONMENTAL PROTECTION AGENCY, WASHINGTON, DC. OFFICE OF ADMINISTRATION AND RESOURCES MANAGEMENT.

Environmental Crisis in the Gulf. The U.S. Response.
PB92-226182/REB 92-04 PC **A03**/MF **A01**

ENVIRONMENTAL PROTECTION AGENCY, WASHINGTON, DC. OFFICE OF ANALYSIS AND EVALUATION.

Cost-Effectiveness Analysis of Effluent Standards and Limitations for Battery Manufacturing.
PB92-231893/REB 92-04 PC **A03**/MF **A01**

ENVIRONMENTAL PROTECTION AGENCY, WASHINGTON, DC. OFFICE OF DRINKING WATER.

EPA/570/9-86/002
Safe Drinking Water Act: 1986 Amendments.
PB92-140607/REB 92-01 PC **A02**/MF **A01**

EPA/570/9-90/008A
Manual for the Certification of Laboratories Analyzing Drinking Water. Criteria and Procedures Quality Assurance. Third Edition. Change 1.
PB92-150390/REB 92-01 PC **A03**/MF **A01**

EPA/570/9-90/012
Risk Assessment Methodologies: Comparing EPA and State Approaches.
PB92-137462/REB 92-01 PC **A05**/MF **A01**

EPA/570/9-91/003
Manual of Small Public Water Supply Systems.
PB92-117936/REB 92-01 PC **A10**/MF **A03**

ENVIRONMENTAL PROTECTION AGENCY, WASHINGTON, DC. OFFICE OF EMERGENCY AND REMEDIAL RESPONSE.

CERCLA-005/1091
Compendium of CERCLA ARARs fact sheets and directives.
DE92004878/REB 92-01 PC **A12**/MF **A03**

EPA/ROD/R01-85/064
Superfund Record of Decision (EPA Region 1): Western Sand and Gravel, RI. (Second Remedial Action), September 1985.
PB92-183284/REB 92-04 PC **A04**/MF **A01**

EPA/ROD/R01-91/053
Superfund Record of Decision (EPA Region 1): Union Chemical, South Hope, ME. (First Remedial Action), December 1990.
PB92-963703/REB 92-01 PC **A13**/MF **A03**

EPA/ROD/R01-91/054
Superfund Record of Decision (EPA Region 1): Mottolo Pig Farm, Raymond, NH. (First Remedial Action), March 1991.
PB92-963705/REB 92-01 PC **A08**/MF **A02**

EPA/ROD/R01-91/055
Superfund Record of Decision (EPA Region 1): Western Sand and Gravel Site, Burrillville and North Smithfield, RI. (Third Remedial Action), April 1991.
PB92-963701/REB 92-01 PC **A11**/MF **A03**

EPA/ROD/R01-91/057
Superfund Record of Decision (EPA Region 1): Iron Horse Park, Billerica, MA. (Second Remedial Action), June 1991.
PB92-963707/REB 92-04 PC **A12**/MF **A03**

EPA/ROD/R01-91/058
Superfund Record of Decision (EPA Region 1): Groveland Wells, Operable Unit 1, Groveland, MA. (Second Remedial Action), September 1991.
PB92-963710/REB 92-04 PC **A11**/MF **A03**

EPA/ROD/R01-91/059
Superfund Record of Decision (EPA Region 1): Savage Municipal Water Supply, Milford, NH. (First Remedial Action), September 1991.
PB92-963706/REB 92-04 PC **A14**/MF **A03**

EPA/ROD/R01-91/061
Superfund Record of Decision (EPA Region 1): Silresim Chemical, MA. (First Remedial Action), September 1991.
PB92-963709/REB 92-04 PC **A13**/MF **A03**

EPA/ROD/R01-91/062
Superfund Record of Decision (EPA Region 1): Dover Municipal Landfill, Dover, NH. (First Remedial Action), September 1991.
PB92-963702/REB 92-01 PC **A13**/MF **A03**

EPA/ROD/R01-91/063
Superfund Record of Decision (EPA Region 1): Sullivan's Ledge Superfund Site, Middle Marsh Operable Unit, New Bedford, MA. (First Remedial Action), September 1991.
PB92-963708/REB 92-04 PC **A13**/MF **A03**

EPA/ROD/R02-90/140
Superfund Record of Decision (EPA Region 2): Hooker Chemical S-Area, Niagara Falls, NY. (First Remedial Action), September 1990.
PB92-963812/REB 92-04 PC **A15**/MF **A03**

EPA/ROD/R02-91/131
Superfund Record of Decision (EPA Region 2): General Motors/Central Foundry Division Site, St. Lawrence County, Massena, NY. (First Remedial Action), December 1990.
PB92-963818/REB 92-04 PC **A10**/MF **A03**

EPA/ROD/R02-91/132
Superfund Record of Decision (EPA Region 2): Naval Air Engineering Center (Operable Unit 1), Lakehurst, NJ. (First Remedial Action), February 1991.
PB92-963808/REB 92-01 PC **A04**/MF **A01**

EPA/ROD/R02-91/133
Superfund Record of Decision (EPA Region 2): Naval Air Engineering Center, (Operable Unit 2), Lakehurst, NJ. (Second Remedial Action), February 1991.
PB92-963810/REB 92-01 PC **A04**/MF **A01**

EPA/ROD/R02-91/134
Superfund Record of Decision (EPA Region 2): C and J Disposal Site, Town of Eaton, Madison County, NY. (First Remedial Action), March 1991.
PB92-963801/REB 92-01 PC **A06**/MF **A02**

EPA/ROD/R02-91/135
Superfund Record of Decision (EPA Region 2): Colesville Municipal Landfill Site, Town of Colesville, Broome County, NY. (First Remedial Action), March 1991.
PB92-963822/REB 92-04 PC **A12**/MF **A03**

EPA/ROD/R02-91/136
Superfund Record of Decision (EPA Region 2): Conklin Dumps, Broome County, Conklin, NY. (First Remedial Action), March 1991.
PB92-963824/REB 92-04 PC **A07**/MF **A02**

EPA/ROD/R02-91/137
Superfund Record of Decision (EPA Region 2): Endicott Village Wellfield, Broome County, Endicott, NY. (Second Remedial Action), March 1991.
PB92-963802/REB 92-01 PC **A04**/MF **A01**

EPA/ROD/R02-91/138
Superfund Record of Decision (EPA Region 2): Circuitron Corporation, East Farmingdale, Suffolk County, NY. (First Remedial Action), March 1991.
PB92-963830/REB 92-04 PC **A05**/MF **A01**

EPA/ROD/R02-91/141
Superfund Record of Decision (EPA Region 2): Warwick Landfill, Town of Warwick, Orange County, NY. (First Remedial Action), June 1991.
PB92-963826/REB 92-04 PC **A06**/MF **A02**

EPA/ROD/R02-91/142
Superfund Record of Decision (EPA Region 2): Genzale Plating Company, Franklin Square, Nassau County, NY. (First Remedial Action), March 1991.
PB92-963803/REB 92-01 PC **A05**/MF **A01**

EPA/ROD/R02-91/143
Superfund Record of Decision (EPA Region 2): Curcio Scrap Metal, Bergen County, Saddle Brook, NJ. (First Remedial Action), June 1991.
PB92-963825/REB 92-04 PC **A06**/MF **A02**

EPA/ROD/R02-91/144
Superfund Record of Decision (EPA Region 2): Mattiace Petrochemicals Co., Inc., Nassau County, Glen Cove, NY. (Second Remedial Action), June 1991.
PB92-963807/REB 92-04 PC **A06**/MF **A02**

EPA/ROD/R02-91/145
Superfund Record of Decision (EPA Region 2): Nascolite Corporation, Doris Avenue, Cities of Millville and Vineland, Cumberland County, NJ. (Second Remedial Action), June 1991.
PB92-963817/REB 92-04 PC **A07**/MF **A02**

EPA/ROD/R02-91/146
Superfund Record of Decision (EPA Region 2): Applied Environmental Services Site, Glenwood Landing, Nassau County, NY. (First Remedial Action), June 1991.
PB92-963823/REB 92-04 PC **A05**/MF **A01**

EPA/ROD/R02-91/147
Superfund Record of Decision (EPA Region 2): Global Landfill, Middlesex County, NJ. (First Remedial Action), October 1991.
PB92-963804/REB 92-01 PC **A08**/MF **A02**

EPA/ROD/R02-91/148
Superfund Record of Decision (EPA Region 2): Garden State Cleaners, Buena Borough, Atlantic County, NJ. (First Remedial Action), September 1991.
PB92-963834/REB 92-04 PC **A04**/MF **A01**

EPA/ROD/R02-91/150
Superfund Record of Decision (EPA Region 2): White Chemical Corporation, Essex County, Newark, NJ. (First Remedial Action), September 1991.
PB92-963829/REB 92-04 PC **A03**/MF **A01**

EPA/ROD/R02-91/151
Superfund Record of Decision: Roebling Steel Company, Florence Township, Burlington County, NJ. (Second Remedial Action), September 1991.
PB92-963814/REB 92-04 PC **A04**/MF **A01**

EPA/ROD/R02-91/153
Superfund Record of Decision (EPA Region 2): Upper Deerfield Township Sanitary Landfill, Upper Deerfield Township, Cumberland County, NJ. (First Remedial Action), September 1991.
PB92-963816/REB 92-04 PC **A03**/MF **A01**

EPA/ROD/R02-91/154
Superfund Record of Decision (EPA Region 2): Waldick Aerospace Devices, Wall Township, Monmouth County, NJ. (Second Remedial Action), March 1991.
PB92-963815/REB 92-04 PC **A04**/MF **A01**

EPA/ROD/R02-91/155
Superfund Record of Decision (EPA Region 2): Fibers Public Supply Wells, Guayama, PR. (First Remedial Action), September 1991.
PB92-963828/REB 92-04 PC **A06**/MF **A02**

EPA/ROD/R02-91/156
Superfund Record of Decision (EPA Region 2): Juncos Landfill, Juncos, PR. (First Remedial Action), September 1991.
PB92-963831/REB 92-04 PC **A05**/MF **A02**

EPA/ROD/R02-91/157
Superfund Record of Decision (EPA Region 2): Naval Air Engineering Center, (Operable Unit 4), Lakehurst, NJ. (Third Remedial Action), September 1991.
PB92-963832/REB 92-04 PC **A04**/MF **A01**

EPA/ROD/R02-91/158
Superfund Record of Decision (EPA Region 2): Swope Oil and Chemical Company, Pennsauken Township, Camden County, NJ. (Second Remedial Action), September 1991.
PB92-963833/REB 92-04 PC **A07**/MF **A02**

EPA/ROD/R02-91/159
Superfund Record of Decision (EPA Region 2): Chemsol, Inc., Piscataway, Middlesex County, NJ. (First Remedial Action), September 1991.
PB92-963811/REB 92-01 PC **A04**/MF **A01**

EPA/ROD/R02-91/160
Superfund Record of Decision (EPA Region 2): Hertel Landfill, Town of Plattekill, Ulster County, NY. (First Remedial Action), September 1991.
PB92-963821/REB 92-04 PC **A05**/MF **A01**

EPA/ROD/R02-91/162
Superfund Record of Decision (EPA Region 2): NL Industries, Salem County, Pedricktown, NJ. (First Remedial Action), September 1991.
PB92-963813/REB 92-04 PC **A07**/MF **A02**

EPA/ROD/R02-091/163
Superfund Record of Decision (EPA Region 2): Asbestos Dump, New Vernon Road and White Bridge Road Sites, Passaic Township, Meyersville, NJ. (Second Remedial Action), September 1991.
PB92-963809/REB 92-01 PC **A04**/MF **A01**

EPA/ROD/R02-91/164
Superfund Record of Decision (EPA Region 2): Frontera Creek Site, Humacao, Puerto Rico (First Remedial Action), September 1991.
PB92-963819/REB 92-04 PC **A06**/MF **A02**

EPA/ROD/R02-91/165
Superfund Record of Decision (EPA Region 2): Love Canal (93rd Street School), Niagara County, City of Niagara Falls, NY. (Third Remedial Action), (Amendment), May 1991.
PB92-963805/REB 92-01 PC **A03**/MF **A01**

EPA/ROD/R02-91/166
Superfund Record of Decision (EPA Region 2): Naval Air Engineering Center (Operable Unit 3), Lakehurst, NJ. (Fourth Remedial Action), September 1991.
PB92-963806/REB 92-01 PC **A04**/MF **A01**

EPA/ROD/R02-91/167
Superfund Record of Decision (EPA Region 2): Fort Dix Landfill, Fort Dix Military Reservation, Pemberton Township, Burlington County, NJ. (First Remedial Action), September 1991.
PB92-963820/REB 92-04 PC **A06**/MF **A02**

EPA/ROD/R03-90/092
Superfund Record of Decision (EPA Region 3): Hranica Landfill, Buffalo Township, PA. (First Remedial Action), June 1990.
PB91-921566/REB 92-01 PC **A03**/MF **A01**

EPA/ROD/R03-91/106
Superfund Record of Decision (EPA Region 3): Mid-Atlantic Wood Preservers, Harmans, Anne Arundel County, MD. (First Remedial Action), December 1990.
PB92-963901/REB 92-01 PC **A04**/MF **A01**

EPA/ROD/R03-91/107
Superfund Record of Decision (EPA Region 3): Middletown Air Field Site, Middletown, PA. (Second Remedial Action), December 1990.
PB92-963904/REB 92-01 PC **A04**/MF **A01**

EPA/ROD/R03-91/108
Superfund Record of Decision (EPA Region 3): Whitmoyer Laboratories (Operable Unit 2), Lebanon County, PA. (Second Remedial Action), December 1990.
PB92-963912/REB 92-01 PC **A05**/MF **A01**

EPA/ROD/R03-91/109
Superfund Record of Decision (EPA Region 3): Whitmoyer Laboratories (Operable Unit 3), Lebanon County, PA. (Third Remedial Action), December 1990.
PB92-963926/REB 92-04 PC **A05**/MF **A01**

EPA/ROD/R03-91/110
Superfund Record of Decision (EPA Region 3): Brodhead Creek, Stroudsburg, PA. (First Remedial Action), March 1991.
PB92-963915/REB 92-01 PC **A06**/MF **A02**

EPA/ROD/R03-91/112
Superfund Record of Decision (EPA Region 3): AVCO Lycoming-Williamsport Division, Lycoming County, Williamsport, PA. (First Remedial Action), June 1991.
PB92-963920/REB 92-01 PC **A05**/MF **A01**

EPA/ROD/R03-91/113
Superfund Record of Decision (EPA Region 3): Resin Disposal, Jefferson Borough, Allegheny County, PA. (First Remedial Action), June 1991.
PB92-963903/REB 92-01 PC **A04**/MF **A01**

EPA/ROD/R03-91/114
Superfund Record of Decision (EPA Region 3): Publicker/Cuyahoga Wrecking Plant, PA. (Second Remedial Action), June 1991.
PB92-963902/REB 92-01 PC **A03**/MF **A01**

EPA/ROD/R03-91/115
Superfund Record of Decision (EPA Region 3): Halby Chemical, Wilmington, New Castle County, DE. (First Remedial Action), June 1991.
PB92-963914/REB 92-01 PC **A06**/MF **A02**

EPA/ROD/R03-91/116
Superfund Record of Decision (EPA Region 3): Strasburg Landfill, Newlin Township, Chester County, PA. (Second Remedial Action), June 1991.
PB92-963913/REB 92-01 PC **A04**/MF **A01**

EPA/ROD/R03-91/117
Superfund Record of Decision (EPA Region 3): Greenwood Chemical Site, Operable Unit 2, Newtown, VA. (Second Remedial Action), December 1990.
PB92-963930/REB 92-04 PC **A03**/MF **A01**

EPA/ROD/R03-91/118
Superfund Record of Decision (EPA Region 3): USA Letterkenny - PDO, Chambersburg, PA. (First Remedial Action), August 1991.
PB92-963910/REB 92-01 PC **A03**/MF **A01**

EPA/ROD/R03-91/119
Superfund Record of Decision (EPA Region 3): USA Letterkenny - Southeastern Area, Chambersburg, PA. (First Remedial Action), August 1991.
PB92-963911/REB 92-01 PC **A04**/MF **A01**

EPA/ROD/R03-91/120
Superfund Record of Decision (EPA Region 3): Cryo-Chem Site, Earl Township, Berks County, PA. (Third Remedial Action), September 1991.
PB92-963908/REB 92-01 PC **A05**/MF **A01**

EPA/ROD/R03-91/121
Superfund Record of Decision (EPA Region 3): Sealand Limited Site, Mt. Pleasant, DE. (First Remedial Action), September 1991.
PB92-963923/REB 92-04 PC **A03**/MF **A01**

EPA/ROD/R03-91/122
Superfund Record of Decision (EPA Region 3): NCR Corporation (Millsboro Plant), Sussex County, Millsboro, DE. (First Remedial Action), August 1991.
PB92-963919/REB 92-01 PC **A05**/MF **A01**

EPA/ROD/R03-91/123
Superfund Record of Decision (EPA Region 3): Hellertown Manufacturing Company, Hellertown Borough, Northampton County, PA. (First Remedial Action), September 1991.
PB92-963905/REB 92-01 PC **A04**/MF **A01**

EPA/ROD/R03-91/124
Superfund Record of Decision (EPA Region 3): Heleva Landfill Site, Lehigh County, PA. (First Remedial Action), (Amendment), September 1991.
PB92-963917/REB 92-01 PC **A03**/MF **A01**

EPA/ROD/R03-91/125
Superfund Record of Decision (EPA Region 3): USA Aberdeen Proving Ground, Edgewood, MD. (First Remedial Action), September 1991.
PB92-963916/REB 92-01 PC **A05**/MF **A01**

EPA/ROD/R03-91/126
Superfund Record of Decision (EPA Region 3): USA Aberdeen, Michaelsville, MD. (First Remedial Action), September 1991.
PB92-963909/REB 92-01 PC **A03**/MF **A01**

EPA/ROD/R03-91/127
Superfund Record of Decision (EPA Region 3): Dorney Road Landfill Site, Upper Macungie Township, Lehigh County, PA. (Second Remedial Action), September 1991.
PB92-963907/REB 92-01 PC **A05**/MF **A01**

EPA/ROD/R03-91/128
Superfund Record of Decision (EPA Region 3): Old City of York Landfill, Springfield Township, York County, PA. (First Remedial Action), September 1991.
PB92-963928/REB 92-04 PC **A05**/MF **A01**

EPA/ROD/R03-91/129
Superfund Record of Decision (EPA Region 3): Hebelka Auto Salvage Yard, Weisenber Township, Lehigh County, PA. (Second Remedial Action), September 1991.
PB92-963906/REB 92-01 PC **A03**/MF **A01**

EPA/ROD/R03-91/130
Superfund Record of Decision (EPA Region 3): McAdoo Associates, (Operable Unit 2), Schuylkill County, PA. (Third Remedial Action), September 1991.
PB92-963932/REB 92-04 PC **A04**/MF **A01**

EPA/ROD/R03-91/131
Superfund Record of Decision (EPA Region 3): Havertown PCP (Pentachlorophenol), Haverford Township, Delaware County, PA. (Second Remedial Action), September 1991.
PB92-963922/REB 92-04 PC **A06**/MF **A02**

EPA/ROD/R03-91/132
Superfund Record of Decision (EPA Region 3): Arrowhead Associates/Scovill, Montross, VA. (First Remedial Action), September 1991.
PB92-963925/REB 92-04 PC **A05**/MF **A01**

EPA/ROD/R03-91/133
Superfund Record of Decision (EPA Region 3): Dixie Caverns County Landfill, Roanoke County, VA. (First Remedial Action), September 1991.
PB92-963929/REB 92-04 PC **A03**/MF **A01**

EPA/ROD/R03-91/134
Superfund Record of Decision (EPA Region 3): First Piedmont Rock Quarry/Route 719 Site, Danville, VA. (First Remedial Action), June 1991.
PB92-963924/REB 92-04 PC **A04**/MF **A01**

EPA/ROD/R03-91/135
Superfund Record of Decision (EPA Region 3): Eastern Diversified Metals, Schuylkill County, PA. (First Remedial Action), March 1991.
PB92-963933/REB 92-04 PC **A05**/MF **A01**

EPA/ROD/R03-91/136
Superfund Record of Decision (EPA Region 3): Saunders Supply Company, Chuckatuck, VA. (First Remedial Action), September 1991.
PB92-963927/REB 92-04 PC **A04**/MF **A01**

EPA/ROD/R03-91/137
Superfund Record of Decision (EPA Region 3): William Dick Lagoons, West Caln Township, Chester County, PA. (First Remedial Action), June 1991.
PB92-963921/REB 92-04 PC **A07**/MF **A02**

EPA/ROD/R03-91/138
Superfund Record of Decision (EPA Region 3): Modern Sanitation Landfill, Windsor and Lower Windsor Townships, York County, PA. (First Remedial Action), June 1991.
PB92-963931/REB 92-04 PC **A04**/MF **A01**

EPA/ROD/R03-91/139
Superfund Record of Decision (EPA Region 3): Industrial Drive Operable Unit 2, Williams Township, PA. (Second Remedial Action), March 1991.
PB92-963918/REB 92-01 PC **A05**/MF **A01**

EPA/ROD/R04-90/064
Superfund Record of Decision (EPA Region 4): Jadco-Hughes Site, North Belmont, NC. (First Remedial Action), September 1990.
PB91-921565/REB 92-01 PC **A17**/MF **A03**

EPA/ROD/R04-91/079
Superfund Record of Decision (EPA Region 4): Petroleum Products Corporation Site, Operable Unit 1, Pembroke Park, Broward County, FL. (First Remedial Action), October 1990.
PB92-964007/REB 92-01 PC **A04**/MF **A01**

EPA/ROD/R04-91/080
Superfund Record of Decision (EPA Region 4): Monsanto Superfund Site, Augusta, GA. (First Remedial Action), December 1990.
PB92-964003/REB 92-01 PC **A04**/MF **A01**

EPA/ROD/R04-91/081
Superfund Record of Decision (EPA Region 4): Medley Farms, Cherokee County, Gaffney, SC. (First Remedial Action), May 1991.
PB92-964009/REB 92-01 PC **A09**/MF **A02**

EPA/ROD/R04-91/082
Superfund Record of Decision (EPA Region 4): Tri-City Industrial Disposal Site, Bullitt County, Brooks, KY. (First Remedial Action), August 1991.
PB92-964004/REB 92-01 PC **A14**/MF **A03**

EPA/ROD/R04-91/084
Superfund Record of Decision (EPA Region 4): Golden Strip Septic Tank, Greenville County, Simpsonville, SC. (First Remedial Action), September 1991.
PB92-964018/REB 92-04 PC **A14**/MF **A03**

EPA/ROD/R04-91/085
Superfund Record of Decision (EPA Region 4): USAF Robins Air Force Base, Warner Robins, Houston County, GA. (First Remedial Action), June 1991.
PB92-964002/REB 92-01 PC **A04**/MF **A01**

EPA/ROD/R04-91/086
Superfund Record of Decision (EPA Region 4): USA Anniston Army Depot, (Groundwater Operable Unit), Calhoun County, Anniston, AL. (First Remedial Action), September 1991.
PB92-964010/REB 92-01 PC **A03**/MF **A01**

EPA/ROD/R04-91/087
Superfund Record of Decision (EPA Region 4): Wrigley Charcoal Site, Hickman County, Wrigley, TN. (First Remedial Action), September 1991.
PB92-964011/REB 92-01 PC **A08**/MF **A02**

EPA/ROD/R04-91/088
Superfund Record of Decision (EPA Region 4): Smith's Farm Site (First Operable Unit), Bullitt County, Brooks, KY. (First Remedial Action), (Amendment), September 1991.
PB92-964006/REB 92-01 PC **A10**/MF **A03**

EPA/ROD/R04-91/089
Superfund Record of Decision (EPA Region 4): Hercules 009 Landfill Site, Brunswick, Glynn County, GA. (First Remedial Action), June 1991.
PB92-964001/REB 92-01 PC **A03**/MF **A01**

EPA/ROD/R04-91/090
Superfund Record of Decision (EPA Region 4): Interstate Lead (ILCO), Jefferson County, Leeds, AL. (First Remedial Action), September 1991.
PB92-964016/REB 92-04 PC **A06**/MF **A02**

EPA/ROD/R04-91/091
Superfund Record of Decision (EPA Region 4): Ciba-Geigy, Washington County, McIntosh, AL. (Second Remedial Action), September 1991.
PB92-964021/REB 92-04 PC **A04**/MF **A01**

EPA/ROD/R04-91/092
Superfund Record of Decision (EPA Region 4): Sherwood Medical Industries, Volusia County, Deland, FL. (First Remedial Action), March 1991.
PB92-964019/REB 92-04 PC **A03**/MF **A01**

EPA/ROD/R04-91/093
Superfund Record of Decision (EPA Region 4): Aberdeen Pesticide Dumps, Moore County, Aberdeen, NC. (First Remedial Action), (Amendment), September 1991.
PB92-964005/REB 92-01 PC **A07**/MF **A02**

EPA/ROD/R04-91/094
Superfund Record of Decision (EPA Region 4): Charles Macon Lagoon and Drum Storage, Richmond County, Cordova, NC. (First Remedial Action), September 1991.
PB92-964023/REB 92-04 PC **A07**/MF **A02**

EPA/ROD/R04-91/095
Superfund Record of Decision (EPA Region 4): Carolina Transformer Site, Cumberland County, Fayetteville, NC. (First Remedial Action), August 1991.
PB92-964017/REB 92-04 PC **A06**/MF **A02**

EPA/ROD/R04-91/095
Superfund Record of Decision (EPA Region 4): Oak Ridge Reservation (USDOE), (Operable Unit 3), Anderson County, Oak Ridge, TN. (Second Remedial Action), September 1991.
PB92-964022/REB 92-04 PC **A03**/MF **A01**

EPA/ROD/R04-91/096
Superfund Record of Decision (EPA Region 4): Oak Ridge Reservation (USDOE), (Operable Unit 4), Roane County, Oak Ridge, TN. (Third Remedial Action), September 1991.
PB92-964012/REB 92-01 PC **A03**/MF **A01**

EPA/ROD/R04-91/097
Superfund Record of Decision (EPA Region 4): Maxey Flats Nuclear Disposal Site, Fleming County, KY. (First Remedial Action), September 1991.
PB92-964015/REB 92-04 PC **A09**/MF **A03**

EPA/ROD/R04-91/098
Superfund Record of Decision (EPA Region 4): Oak Ridge Reservation (USDOE), (Operable Unit 2), Oak Ridge, TN. (First Remedial Action), June 1991.
PB92-964013/REB 92-01 PC **A03**/MF **A01**

EPA/ROD/R04-91/099
Superfund Record of Decision (EPA Region 4): Arlington Blending and Packaging, Shelby County, Arlington, TN. (First Remedial Action), June 1991.
PB92-964014/REB 92-04 PC **A06**/MF **A02**

EPA/ROD/R04-91/100
Superfund Record of Decision (EPA Region 4): Sangamo/Twelve-Mile Creek, Lake Hartwell PCB Contamination Site, Pickens, SC. (First Remedial Action), December 1990.
PB92-964008/REB 92-01 PC **A11**/MF **A03**

EPA/ROD/R04-91/101
Superfund Record of Decision (EPA Region 4): Velsicol Chemical, (First Operable Unit), Toone, TN. (First Remedial Action), June 1991.
PB92-964020/REB 92-04 PC **A04**/MF **A01**

EPA/ROD/R05-90/163
Superfund Record of Decision (EPA Region 5): U.S. DOI Sangamo/Crab Orchard National Wildlife Refuge, Carterville, IL. (First Remedial Action), March 1990.
PB92-964125/REB 92-04 PC **A05**/MF **A02**

EPA/ROD/R05-91/151
Superfund Record of Decision (EPA Region 5): Allied Chemical and Ironton Coke, Ironton, OH. (Second Remedial Action), December 1990.
PB92-964115/REB 92-01 PC **A06**/MF **A02**

EPA/ROD/R05-91/152
Superfund Record of Decision (EPA Region 5): G and H Industrial Landfill Site, Macomb County, MI. (First Remedial Action), December 1990.
PB92-964106/REB 92-01 PC **A06**/MF **A02**

EPA/ROD/R05-91/153
Superfund Record of Decision (EPA Region 5): Oak Grove Sanitary Landfill, Anoka County, MN. (Second Remedial Action), December 1990.
PB92-964102/REB 92-01 PC **A04**/MF **A01**

EPA/ROD/R05-91/154
Superfund Record of Decision (EPA Region 5): Summit National Liquid Disposal Service, Deerfield, OH. (First Remedial Action), (Amendment), November 1990.
PB92-964118/REB 92-01 PC **A03**/MF **A01**

EPA/ROD/R05-91/155
Superfund Record of Decision (EPA Region 5): Kentwood Landfill, Kentwood, MI. (First Remedial Action), March 1991.
PB92-964140/REB 92-04 PC **A04**/MF **A01**

EPA/ROD/R05-91/156
Superfund Record of Decision (EPA Region 5): Main Street Well Field, Elkhart, IN. (Second Remedial Action), March 1991.
PB92-964107/REB 92-01 PC **A05**/MF **A01**

EPA/ROD/R05-91/157
Superfund Record of Decision (EPA Region 5): Rasmussen's Dump Site, Green Oak Township, Livingston County, MI. (First Remedial Action), March 1991.
PB92-964105/REB 92-01 PC **A09**/MF **A02**

EPA/ROD/R05-91/158
Superfund Record of Decision (EPA Region 5): Folkertsma Refuse Site, Walker, MI. (First Remedial Action), June 1991.
PB92-964108/REB 92-01 PC **A05**/MF **A01**

EPA/ROD-R05-91/159
Superfund Record of Decision (EPA Region 5): Conrail Railyard, Elkhart County, IN. (First Remedial Action), June 1991.
PB92-964109/REB 92-01 PC **A04**/MF **A01**

EPA/ROD/R05-91/160
Superfund Record of Decision (EPA Region 5): Verona Well Field Site, Battle Creek, MI. (Second Remedial Action), June 1991.
PB92-964110/REB 92-01 PC **A08**/MF **A02**

EPA/ROD/R05-91/161
Superfund Record of Decision (EPA Region 5): Enviro-Chem (Northside Sanitary Landfill), Zionsville, IN. (First Remedial Action), (Amendment), June 1991.
PB92-964116/REB 92-01 PC **A03**/MF **A01**

EPA/ROD/R05-91/162
Superfund Record of Decision (EPA Region 5): Northside Sanitary Landfill (Enviro-Chem), Zionsville, IN. (First Remedial Action), (Amendment), June 1991.
PB92-964117/REB 92-01 PC **A03**/MF **A01**

EPA/ROD/R05-91/164
Superfund Record of Decision (EPA Region 5): Fadrowski Drum Disposal Site, Franklin, WI. (First Remedial Action), June 1991.
PB92-964111/REB 92-01 PC **A05**/MF **A01**

EPA/ROD/R05-91/165
Superfund Record of Decision (EPA Region 5): Pagel's Pit Site, Winnebago County, IL. (First Remedial Action), June 1991.
PB92-964120/REB 92-01 PC **A04**/MF **A01**

EPA/ROD/R05-91/166
Superfund Record of Decision (EPA Region 5): South Macomb Disposal No. 9 and 9A, Macomb County, MI. (First Remedial Action), August 1991.
PB92-964130/REB 92-04 PC **A05**/MF **A01**

EPA/ROD/R05-91/167
Superfund Record of Decision (EPA Region 5): Buckeye Reclamation Landfill Site, Belmont County, OH. (First Remedial Action), August 1991.
PB92-964123/REB 92-04 PC **A06**/MF **A02**

EPA/ROD/R05-91/168
Superfund Record of Decision (EPA Region 5): Acme Solvent Reclaiming, Winnebago County, IL. (Second Remedial Action), December 1990.
PB92-964101/REB 92-01 PC **A05**/MF **A02**

EPA/ROD/R05-91/169
Superfund Record of Decision (EPA Region 5): Carter Industrials Site, Detroit, MI. (First Remedial Action), September 1991.
PB92-964126/REB 92-04 PC **A08**/MF **A02**

EPA/ROD/R05-91/170
Superfund Record of Decision (EPA Region 5): MacGillis and Gibbs/Bell Lumber and Pole Co., New Brighton, MN. (First Remedial Action), September 1991.
PB92-964121/REB 92-01 PC **A03**/MF **A01**

EPA/ROD/R05-91/171
Superfund Record of Decision (EPA Region 5): Michigan Disposal Service (Cork Street) Landfill, Kalamazoo, MI. (First Remedial Action), September 1991.
PB92-964134/REB 92-04 PC **A06**/MF **A02**

EPA/ROD/R05-91/172
Superfund Record of Decision (EPA Region 5): Motor Wheel Disposal Site, Lansing, MI. (First Remedial Action), September 1991.
PB92-964112/REB 92-01 PC **A04**/MF **A01**

EPA/ROD/R05-91/173
Superfund Record of Decision (EPA Region 5): Organic Chemicals, Grandville, MI. (First Remedial Action), September 1991.
PB92-964103/REB 92-01 PC **A04**/MF **A01**

EPA/ROD/R05-91/174
Superfund Record of Decision (EPA Region 5): Thermo Chem Site, (Operable Unit 1), Muskegon County, MI. (First Remedial Action), September 1991.
PB92-964135/REB 92-04 PC **A05**/MF **A01**

EPA/ROD/R05-91/175
Superfund Record of Decision (EPA Region 5): Sturgis Municipal Wells, Sturgis, MI. (First Remedial Action), September 1991.
PB92-964136/REB 92-04 PC **A08**/MF **A02**

EPA/ROD/R05-91/176
Superfund Record of Decision (EPA Region 5): Zanesville Well Field Site, Zanesville, OH. (First Remedial Action), September 1991.
PB92-964122/REB 92-01 PC **A04**/MF **A01**

EPA/ROD/R05-91/177
Superfund Record of Decision (EPA Region 5): Anderson Development Company Site, Lenawee County, Adrian, MI. (First Remedial Action), (Amendment), September 1991.
PB92-964114/REB 92-01 PC **A03**/MF **A01**

EPA/ROD/R05-91/178
Superfund Record of Decision (EPA Region 5): Pine Bend Sanitary Landfill, Dakota County, City of Inver Grove Heights, MN. (First Remedial Action), September 1991.
PB92-964119/REB 92-01 PC **A03**/MF **A01**

EPA/ROD/R05-91/179
Superfund Record of Decision (EPA Region 5): Chem-Central Site, Wyoming, MI. (First Remedial Action), September 1991.
PB92-964138/REB 92-04 PC **A04**/MF **A01**

EPA/ROD/R05-91/180
Superfund Record of Decision (EPA Region 5): National Presto Industries, Eau Claire, WI. (Second Remedial Action), September 1991.
PB92-964129/REB 92-04 PC **A04**/MF **A01**

EPA/ROD/R05-91/181
Superfund Record of Decision (EPA Region 5): Stoughton City Landfill Site, Stoughton, WI. (First Remedial Action), September 1991.
PB92-964128/REB 92-04 PC **A04/MF A01**

EPA/ROD/R05-91/182
Superfund Record of Decision (EPA Region 5): Berlin and Farro Site, Swartz Creek, MI. (First Remedial Action), September 1991.
PB92-964132/REB 92-04 PC **A04/MF A01**

EPA/ROD/R05-91/183
Superfund Record of Decision (EPA Region 5): Fultz Landfill, Byesville, OH. (First Remedial Action), September 1991.
PB92-964131/REB 92-04 PC **A06/MF A02**

EPA/ROD/R05-91/184
Superfund Record of Decision (EPA Region 5): Better Brite Plating Chrome and Zinc, De Pere, WI. (First Remedial Action), June 1991.
PB92-964139/REB 92-04 PC **A03/MF A01**

EPA/ROD/R05-91/185
Superfund Record of Decision (EPA Region 5): Ossineke Groundwater Contamination Site, Alpena County, Ossineke, MI. (First Remedial Action), June 1991.
PB92-964127/REB 92-04 PC **A03/MF A01**

EPA/ROD/R05-91/186
Superfund Record of Decision (EPA Region 5): Lemberger Landfill Site, Manitowoc County, WI. (First Remedial Action), September 1991.
PB92-964133/REB 92-04 PC **A05/MF A01**

EPA/ROD/R05-91/187
Superfund Record of Decision (EPA Region 5): Lemberger Transport and Recycling, Manitowoc County, WI. (First Remedial Action), September 1991.
PB92-964124/REB 92-04 PC **A05/MF A01**

EPA/ROD/R05-91/188
Superfund Record of Decision (EPA Region 5): Novaco Industries, MI. (First Remedial Action), (Amendment), September 1991.
PB92-964104/REB 92-01 PC **A03/MF A01**

EPA/ROD/R05-91/189
Superfund Record of Decision (EPA Region 5): Dakhue Sanitary Landfill, Hampton Township, Dakota County, MN. (First Remedial Action), June 1991.
PB92-964137/REB 92-04 PC **A03/MF A01**

EPA/ROD/R05-91/190
Superfund Record of Decision (EPA Region 5): Southeast Rockford Groundwater Contamination, Rockford, IL. (First Remedial Action), June 1991.
PB92-964141/REB 92-04 PC **A03/MF A01**

EPA/ROD/R05-91/191
Superfund Record of Decision (EPA Region 5): Washington County Landfill, Lake Elmo, MN. (Second Remedial Action), November 1990.
PB92-964113/REB 92-01 PC **A05/MF A01**

EPA/ROD/R06-91/066
Superfund Record of Decision (EPA Region 6): Petro-Chemical (Turtle Bayou), Liberty County, TX. (Second Remedial Action), September 1991.
PB92-964202/REB 92-01 PC **A07/MF A02**

EPA/ROD/R06-91/067
Superfund Record of Decision (EPA Region 6): Cimarron Mining Site, Operable Unit 2, Carrizozo, NM. (Second Remedial Action), September 1991.
PB92-964201/REB 92-01 PC **A06/MF A02**

EPA/ROD/R07-91/045
Superfund Record of Decision (EPA Region 7): Lee Chemical Site, Liberty, MO. (First Remedial Action), March 1991.
PB92-964307/REB 92-01 PC **A04/MF A01**

EPA/ROD/R07-91/046
Superfund Record of Decision (EPA Region 7): E.I. Dupont De Nemours (County Road X23), Lee County, West Point, IA. (First Remedial Action), May 1991.
PB92-964306/REB 92-01 PC **A04/MF A01**

EPA/ROD/R07-91/047
Superfund Record of Decision (EPA Region 7): Ellisville Area Site, St. Louis County, Ellisville, MO. (Second Remedial Action), September 1991.
PB92-964312/REB 92-04 PC **A03/MF A01**

EPA/ROD/R07-91/048
Superfund Record of Decision (EPA Region 7): Hastings Ground Water Contamination (Operable Unit 1), Hastings, NE. (Second Remedial Action), September 1991.
PB92-964304/REB 92-04 PC **A03/MF A01**

EPA/ROD/R07-91/049
Superfund Record of Decision (EPA Region 7): Hastings Groundwater Contamination (Operable Unit 10), Hastings, NE. (Seventh Remedial Action), September 1991.
PB92-964303/REB 92-01 PC **A03/MF A01**

EPA/ROD/R07-91/050
Superfund Record of Decision (EPA Region 7): Lehigh Portland Cement Company, Mason City, IA. (First Remedial Action), June 1991.
PB92-964311/REB 92-04 PC **A04/MF A01**

EPA/ROD/R07-91/051
Superfund Record of Decision (EPA Region 7): Shaw Avenue Dump Site, Charles City, Floyd County, IA. (First Remedial Action), September 1991.
PB92-964309/REB 92-04 PC **A03/MF A01**

EPA/ROD/R07-91/052
Superfund Record of Decision (EPA Region 7): People's Natural Gas Coal Gasification Site, Dubuque, IA. (First Remedial Action), September 1991.
PB92-964301/REB 92-01 PC **A05/MF A01**

EPA/ROD/R07-91/053
Superfund Record of Decision (EPA Region 7): John Deere (Ottumwa Works Landfill), Ottumwa, IA. (First Remedial Action), September 1991.
PB92-964308/REB 92-04 PC **A05/MF A01**

EPA/ROD/R07-91/054
Superfund Record of Decision (EPA Region 7): Kem-Pest Laboratories Site, Cape Girardeau County, MO. (Second Remedial Action), December 1990.
PB92-964305/REB 92-01 PC **A04/MF A01**

EPA/ROD/R07-91/055
Superfund Record of Decision (EPA Region 7): Mid-America Tanning Site, Sergeant Bluff, IA. (First Remedial Action), September 1991.
PB92-964310/REB 92-04 PC **A07/MF A02**

EPA/ROD/R07-91/056
Superfund Record of Decision (EPA Region 7): Ellisville Area Site, St. Louis County, Ellisville, MO. (First Remedial Action), (Amendment), September 1991.
PB92-964302/REB 92-01 PC **A03/MF A01**

EPA/ROD/R08-91/045
Superfund Record of Decision (EPA Region 8): Chemical Sales (New Location) (Operable Unit 1), Denver, CO. (First Remedial Action), June 1991.
PB92-964409/REB 92-04 PC **A09/MF A02**

EPA/ROD/R08-91/046
Superfund Record of Decision (EPA Region 8): Chemical Sales Site, (New Location), (Operable Unit 2), Adams County, CO. (Second Remedial Action), June 1991.
PB92-964408/REB 92-04 PC **A09/MF A03**

EPA/ROD/R08-91/047
Superfund Record of Decision (EPA Region 8): Chemical Sales, (New Location), (Operable Unit 3), Adams County, CO. (Third Remedial Action), June 1991.
PB92-964410/REB 92-04 PC **A09/MF A02**

EPA/ROD/R08-91/048
Superfund Record of Decision (EPA Region 8): Wasatch Chemical Site (Lot 6), Salt Lake City, UT. (First Remedial Action), March 1991.
PB92-964407/REB 92-04 PC **A06/MF A02**

EPA/ROD/R08-91/049
Superfund Record of Decision (EPA Region 8): Hill Air Force Base, Operable Unit 2, Chemical Disposal Pit 3, Site WP07, Davis and Weber Counties, UT. (First Remedial Action), September 1991.
PB92-964401/REB 92-01 PC **A03/MF A01**

EPA/ROD/R08-91/050
Superfund Record of Decision (EPA Region 8): Rocky Mountain Arsenal (Operable Unit 21), CO. (Ninth Remedial Action), June 1991.
PB92-964405/REB 92-04 PC **A04/MF A01**

EPA/ROD/R08-91/051
Superfund Record of Decision (EPA Region 8): Rocky Mountain Arsenal (Operable Unit 26), CO. (Tenth Remedial Action), September 1991.
PB92-964403/REB 92-04 PC **A09/MF A02**

EPA/ROD/R08-91/052
Superfund Record of Decision (EPA Region 8): Broderick Wood Products, Adams County, CO. (First Remedial Action), (Amendment), September 1991.
PB92-964402/REB 92-01 PC **A04/MF A01**

EPA/ROD/R08-91/053
Superfund Record of Decision (EPA Region 8): Anaconda Smelter Site, (Operable Unit 11 - Flue Dust), Deer Lodge County, Anaconda, MT. (Second Remedial Action), September 1991.
PB92-964404/REB 92-04 PC **A10/MF A03**

EPA/ROD/R08-91/055
Superfund Record of Decision (EPA Region 8): Central City-Clear Creek Site, (Operable Unit 3), Clear Creek and Gilpin Counties, CO. (Third Remedial Action), September 1991.
PB92-964406/REB 92-04 PC **A06/MF A02**

EPA/ROD/R09-91/056
Superfund Record of Decision (EPA Region 9): Atlas Asbestos Mine, Fresno County, CA. (Second Remedial Action), February 1991.
PB92-964510/REB 92-01 PC **A07/MF A02**

EPA/ROD/R09-91/057
Superfund Record of Decision (EPA Region 9): CTS Printex Corporation, Mountain View, CA. (First Remedial Action), June 1991.
PB92-964516/REB 92-04 PC **A04/MF A01**

EPA/ROD/R09-91/058
Superfund Record of Decision (EPA Region 9): Teledyne Semiconductor (Spectra Physics), Mountain View, CA. (First Remedial Action), March 1991.
PB92-964505/REB 92-01 PC **A05/MF A01**

EPA/ROD/R09-91/059
Superfund Record of Decision (EPA Region 9): Synertek (Building No. 1), Santa Clara, CA. (First Remedial Action), June 1991.
PB92-964513/REB 92-04 PC **A07/MF A02**

EPA/ROD/R09-91/060
Superfund Record of Decision (EPA Region 9): FMC (Fresno Plant), Fresno, CA. (First Remedial Action), June 1991.
PB92-964512/REB 92-04 PC **A06/MF A02**

EPA/ROD/R09-91/061
Superfund Record of Decision (EPA Region 9): South Bay Asbestos Area, San Jose, CA. (First Remedial Action), (Amendment), June 1991.
PB92-964501/REB 92-01 PC **A03/MF A01**

EPA/ROD/R09-91/062
Superfund Record of Decision (EPA Region 9): Valley Wood Preserving Site, Turlock, CA. (First Remedial Action), September 1991.
PB92-964517/REB 92-04 PC **A07/MF A02**

EPA/ROD/R09-91/063
Superfund Record of Decision (EPA Region 9): Van Waters and Rogers, San Jose, CA. (First Remedial Action), September 1991.
PB92-964506/REB 92-01 PC **A04/MF A01**

EPA/ROD/R09-91/064
Superfund Record of Decision (EPA Region 9): Mesa Area Ground Water Contamination, Mesa, AZ. (First Remedial Action), September 1991.
PB92-964514/REB 92-04 PC **A03/MF A01**

EPA/ROD/R09-91/065
Superfund Record of Decision (EPA Region 9): Indian Bend Wash Area (Operable Units 1, 4, 5, 6), AZ. (Second Remedial Action), September 1991.
PB92-964509/REB 92-01 PC **A06/MF A02**

EPA/ROD/R09-91/066
Superfund Record of Decision (EPA Region 9): Advanced Micro Devices 915, Sunnyvale, CA. (First Remedial Action), August 1991.
PB92-964520/REB 92-04 PC **A04/MF A01**

EPA/ROD/R09-91/067
Superfund Record of Decision (EPA Region 9): Castle Air Force Base, Merced County, CA. (First Remedial Action), August 1991.
PB92-964508/REB 92-01 PC **A04/MF A01**

EPA/ROD/R09-91/068
Superfund Record of Decision (EPA Region 9): Sola Optical USA, Inc., Petaluma, CA. (First Remedial Action), September 1991.
PB92-964515/REB 92-04 PC **A03/MF A01**

EPA/ROD/R09-91/070
Superfund Record of Decision (EPA Region 9): Monolithic Memories (Advanced Micro Devices - Arques) (National Semiconductor), CA. (First Remedial Action), September 1991.
PB92-964503/REB 92-01 PC **A04/MF A01**

EPA/ROD/R09-91/071
Superfund Record of Decision (EPA Region 9): National Semiconductor (Monolithic Memories), CA. (First Remedial Action), September 1991.
PB92-964502/REB 92-01 PC **A04/MF A01**

EPA/ROD/R09-91/072
Superfund Record of Decision (EPA Region 9): Micro Storage/Intel Magnetics, Santa Clara, CA. (First Remedial Action), August 1991.
PB92-964511/REB 92-04 PC **A04/MF A01**

EPA/ROD/R09-91/073
Superfund Record of Decision (EPA Region 9): Advanced Micro Devices 901, (Signetics), (TRW Microwave), Sunnyvale, CA. (First Remedial Action), September 1991.
PB92-964504/REB 92-04 PC **A06/MF A02**

EPA/ROD/R09-91/074
Superfund Record of Decision (EPA Region 9): Signetics (Advanced Micro Devices 901) (TRW Microwave), Sunnyvale, CA. (First Remedial Action), September 1991.
PB92-964507/REB 92-01 PC **A06/MF A02**

EPA/ROD/R09-91/075
Superfund Record of Decision (EPA Region 9): Spectra-Physics, (Teledyne Semiconductor), Mountain View, CA. (First Remedial Action), March 1991.
PB92-964519/REB 92-04 PC **A04/MF A01**

EPA/ROD/R09-91/076
Superfund Record of Decision (EPA Region 9): TRW Microwave, (Advanced Micro Devices 901), (Signetics), Sunnyvale, CA. (First Remedial Action), September 1991.
PB92-964518/REB 92-04 PC **A06/MF A02**

EPA/ROD/R10-91/027
Superfund Record of Decision (EPA Region 10): Commencement Bay-Nearshore/Tideflats (Operable Unit 7), Tacoma, WA. (Third Remedial Action), December 1990.
PB92-964604/REB 92-01 PC **A17/MF A04**

EPA/ROD/R10-91/028
Superfund Record of Decision (EPA Region 10): Bunker Hill Mining and Metallurgical Complex, Shoshone County, ID. (First Remedial Action), August 1991.
PB92-964601/REB 92-01 PC **A07/MF A02**

EPA/ROD/R10-91/029
Superfund Record of Decision (EPA Region 10): Union Pacific Railroad Yard, Bannock County, Pocatello, ID. (First Remedial Action), September 1991.
PB92-964606/REB 92-04 PC **A08/MF A02**

EPA/ROD/R10-91/030
Superfund Record of Decision (EPA Region 10): Yakima Plating Facility, Yakima, WA. (First Remedial Action), September 1991.
PB92-964607/REB 92-04 PC **A05/MF A01**

EPA/ROD/R10-91/031
Superfund Record of Decision (EPA Region 10): Northwest Transformer-Mission Pole, Whatcom County, WA. (First Remedial Action), (Amendment), September 1991.
PB92-964602/REB 92-01 PC **A03/MF A01**

EPA/ROD/R10-91/032
Superfund Record of Decision (EPA Region 10): American Lake Gardens (McChord AFB - Area D), Pierce County, WA. (First Remedial Action), September 1991.
PB92-964605/REB 92-04 PC **A05/MF A02**

EPA/ROD/R10-91/033
Superfund Record of Decision (EPA Region 10): Bangor Naval Submarine Base, Site F (Operable Unit 2), Bangor, WA. (First Remedial Action), September 1991.
PB92-964603/REB 92-01 PC **A03**/MF **A01**

EPA/540/2-91/019A
Guide for Conducting Treatability Studies under CERCLA: Soil Vapor Extraction. Interim Guidance.
PB92-227271/REB 92-04 PC **A05**/MF **A01**

EPA/540/2-91/021
In situ Soil Flushing. Engineering Bulletin.
PB92-180025/REB 92-01 PC **A02**/MF **A01**

EPA/540/2-91/022
Air Stripping of Aqueous Solutions. Engineering Bulletin.
PB92-180033/REB 92-01 PC **A02**/MF **A01**

EPA/540/2-91/023
Control of Air Emissions from Materials Handling during Remediation. Engineering Bulletin.
PB92-180041/REB 92-01 PC **A02**/MF **A01**

EPA/540/2-91/024
Granular Activated Carbon Treatment. Engineering Bulletin.
PB92-180058/REB 92-01 PC **A02**/MF **A01**

EPA/540/2-91/025
Chemical Oxidation Treatment. Engineering Bulletin.
PB92-180066/REB 92-01 PC **A02**/MF **A01**

EPA/540/5-91/004
Superfund Innovative Technology Evaluation Program: Progress and Accomplishments, Fiscal Year 1990. A Fourth Report to Congress.
PB92-224799/REB 92-04 PC **A05**/MF **A01**

EPA/540/8-91/003
Superfund Program: Ten Years of Progress.
PB91-921286/REB 92-01 PC **A04**/MF **A01**

EPA/540/8-91/004
Progress Toward Implementing Superfund, Fiscal Year 1990: A Report to the Congress.
PB92-963256/REB 92-01 PC **E05**/MF **A04**

EPA/540/8-91/016
Superfund: Focusing on the Nation at Large. 1991 Update.
PB92-963252/REB 92-01 PC **A05**/MF **A01**

EPA/540/8-91/017
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PB92-963220/REB 92-01 PC **A04**/MF **A01**

EPA/540/8-91/021
National Priorities List Sites: California and Hawaii.
PB92-963239/REB 92-01 PC **A11**/MF **A03**

EPA/540/8-91/022
National Priorities List Sites: Colorado.
PB92-963237/REB 92-01 PC **A05**/MF **A01**

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PB92-963228/REB 92-01 PC **A05**/MF **A01**

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PB92-963222/REB 92-01 PC **A04**/MF **A01**

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PB92-963309/REB 92-01 PC **A05**/MF **A01**

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PB92-963310/REB 92-01 PC **A05**/MF **A01**

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PB92-963313/REB 92-01 PC **A05**/MF **A01**

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EPA/540/8-91/080
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EPA/540/8-91/081
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EPA/540/8-91/082
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EPA/540/8-91/085
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PB92-963320/REB 92-01 PC **A05**/MF **A01**

EPA/540/8-91/086
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PB92-963321/REB 92-01 PC **A05**/MF **A01**

EPA/540/8-91/087
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PB92-963322/REB 92-01 PC **A05**/MF **A01**

EPA/540/8-91/088
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PB92-963323/REB 92-01 PC **A05**/MF **A01**

EPA/540/8-91/089
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PB92-963324/REB 92-01 PC **A05**/MF **A01**

EPA/540/8-91/090
CERCLIS Characterization Project: Region 10 Results.
PB92-963325/REB 92-01 PC **A05**/MF **A01**

EPA/540/8-91/091
Technical Support Services for Superfund Site Remediation and RCRA Corrective Action. Third Edition.
PB92-205657/REB 92-04 PC **A04**/MF **A01**

EPA/540/8-91/093
Superfund Emergency Response Actions: A Summary of Federally-Funded Removals. Fifth Annual Report - Fiscal Year 1990.
PB92-963403/REB 92-01 PC **A08**/MF **A02**

EPA/540/G-91/012
Contracting and Subcontracting Guide to the Superfund Program.
PB92-963274/REB 92-04 PC **Free**

EPA/540/M5-91/005
Superfund Innovative Technology Evaluation (SITE): Demonstration Bulletin. Flame Reactor, Horsehead Resource Development Company, Inc.
PB92-235613/REB 92-04 PC **A01**/MF **A01**

EPA/540/P-91/013
Guidance on Site Assessment Cooperative Agreements.
PB92-224385/REB 92-04 PC **A03**/MF **A01**

EPA/540/R-92/005
Presentations EPA-State Soil Standards Conference. Held in Crystal City, Virginia on January 29, 1991.
PB92-963350/REB 92-01 PC **A08**/MF **A02**

EPA/540/R-92/009
Community Relations in Superfund: A Handbook.
PB92-963341/REB 92-01 PC **A12**/MF **A03**

EPA/540/R-92/012
Superfund Innovative Technology Evaluation Program: Spring Update to the Technology Profiles. Fourth Edition.
PB92-233121/REB 92-04 PC **A03**/MF **A01**

EPA/540/S-92/001
Chemical Enhancements to Pump-and-Treat Remediation. Ground Water Issue.
PB92-180074/REB 92-01 PC **A03**/MF **A01**

EPA/540/S-92/007
Rotating Biological Contactors. Engineering Bulletin.
PB92-235936/REB 92-04 PC **A02**/MF **A01**

EPA/9200.1-12A
Superfund Progress - Aficionado's Version (Progress as of March 31, 1992).
PB92-963267/REB 92-01 PC **A03**/MF **A01**

EPA/9200.5-07A
Superfund: Reporting on Cleanup Activities through Environmental Indicators. FY 1991 Update.
PB92-963255/REB 92-01 PC **A03**/MF **A01**

OERR-9246.0-05
Guidance on Site Assessment Cooperative Agreements.
PB92-224385/REB 92-04 PC **A03**/MF **A01**

OSWER-9200.0-03D
OSWER Superfund Telephone Directory, October 1991.
PB92-963202/REB 92-01 PC **A03**/MF **A01**

OSWER-9200.0-03E
OSWER Superfund Telephone Directory, May 1992.
PB92-963264/REB 92-01 PC **E02**

OSWER-9200.1-09I-VOL-1-NO-1
Superfund Policy Forum Update, Volume 1, Number 1, February 1992.
PB92-963262/REB 92-01 PC **A02**/MF **A01**

OSWER-9200.1-11
Accessing the $50 Million Set-Aside in the Remedial Action Budget for Quick Response at National Priorities List Sites.
PB92-963342/REB 92-01 PC **A01**/MF **A01**

OSWER-9200.1-12
Superfund Progress, Spring 1992.
PB92-963265/REB 92-01 PC **A03**/MF **A01**

OSWER-9200.1-12-2
Superfund Progress, Summer 1992.
PB92-963279/REB 92-04 PC **A03**/MF **A01**

OSWER-9200.1-12B
Superfund Progress - Aficionado's Version: Progress as of June 30, 1992.
PB92-963278/REB 92-04 PC **A03**/MF **A01**

OSWER-9200.2-13
Progress Toward Implementing Superfund, Fiscal Year 1990: A Report to the Congress.
PB92-963256/REB 92-01 PC **E05**/MF **A04**

OSWER-9200.2-14
National Oil and Hazardous Substances Pollution Contingency Plan (The NCP).
PB92-963261/REB 92-01 PC **A15**/MF **A03**

OSWER-9200.3-01G
Correction of FY-92 Superfund Program Management Manual Definitions.
PB92-963266/REB 92-01 PC **A01**/MF **A01**

OSWER-9200.3-01H-1
Superfund Program Implementation Manual, Fiscal Year 1993. Volumes 1 and 2.
PB92-963276/REB 92-04 PC **A18**/MF **A04**

OSWER-9200.5-01B
Superfund Program: Ten Years of Progress.
PB91-921286/REB 92-01 PC **A04**/MF **A01**

OSWER-9200.5-115I
OPA Update: Implementation of the Oil Pollution Act of 1990. Volume 2, Number 1.
PB92-963420/REB 92-04 PC **A02**/MF **A01**

OSWER-9200.5-115I-VOL-1-NO-4
Update on Implementation of the Oil Pollution Act of 1990. Volume 1, Number 4, September 1991.
PB91-921374/REB 92-01 PC **A02**/MF **A01**

OSWER-9200.5-208FS-A
Debarment and Suspension.
PB92-963331/REB 92-01 PC **A01**/MF **A01**

OSWER-9200.5-402A
Contracting and Subcontracting Guide to the Superfund Program.
PB92-963274/REB 92-04 PC **Free**

OSWER-9200.5-701A
Superfund: Focusing on the Nation at Large. 1991 Update.
PB92-963252/REB 92-01 PC **A05**/MF **A01**

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OSWER-9200.5-720A
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OSWER-9200.5-731A
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OSWER-9200.5-732A
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OSWER-9200.5-733A
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OSWER-9200.5-734A
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Implementation of the Superfund Alternative Remedial Contracting Strategy (ARCS): Report of the Administrator's Task Force. Implementation Plan.
PB92-963201/REB 92-01 PC **A03**/MF **A01**

OSWER-9202.1-01
Regional Pilot Projects and Initiatives.
PB92-963259/REB 92-01 PC **A01**/MF **A01**

OSWER-9202.1-02I-VOL-1-NO-1
Smart Moves in Superfund - Regional Initiatives. Volume 1, Number 1, February 1992.
PB92-963272/REB 92-04 PC **A01**/MF **A01**

OSWER-9202.1-03FS
Regional Pilots and Applications of Superfund Accelerated Cleanup Model (SACM).
PB92-963273/REB 92-04 PC **A01**/MF **A01**

OSWER-9202.1-04
Identification of a Senior Superfund Official for Addressing Special NPL Site-Related Issues.
PB92-963277/REB 92-04 PC **A01**/MF **A01**

OSWER-9203.1-01
Superfund Accelerated Cleanup Model (SACM).
PB92-963263/REB 92-01 PC **A03**/MF **A01**

OSWER-9203.1-02I-VOL-1-NO-1
Superfund Accelerated Cleanup Bulletin. Volume 1, Number 1. Presumptive Remedies for Municipal Landfill Sites.
PB92-963367/REB 92-04 PC **A01**/MF **A01**

OSWER-9203.1-02I-VOL-1-NO-2
Superfund Accelerated Cleanup Bulletin: Presumptive Remedies for Wood Treatment Facilities. Volume 1, Number 2, May 1992.
PB92-963361/REB 92-04 PC **A01**/MF **A01**

OSWER-9203.1-02I-VOL-1-NO-3
Superfund Accelerated Cleanup Bulletin. Volume 1, Number 3. Presumptive Remedies.
PB92-963371/REB 92-04 PC **A01**/MF **A01**

OSWER-9230.0-03C
Community Relations in Superfund: A Handbook.
PB92-963341/REB 92-01 PC **A12**/MF **A03**

OSWER-9230.0-23FS
Homeowners Exempted from Superfund Cleanup Costs: National Policy Overview.
PB92-963336/REB 92-01 PC **A01**/MF **A01**

OSWER-9242.2-03
Administrative Guidance for the FIT to ARCS (FIT/ARCS) Transition.
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OSWER-9242.2-05
Implementation of the Alternative Remedial Contracting Strategy (ARCS) Task Force Recommendations: Transmittal of the Implementation Plan.
PB92-963258/REB 92-01 PC **A01**/MF **A01**

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PB92-963257/REB 92-01 PC **A02**/MF **A01**

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Revision of Policy Regarding Superfund Project Assignment between Alternative Remedial Contracting Strategy Contractors and the U.S. Army Corps of Engineers.
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OSWER-9242.3-10
Congressional Limits for FY 92 Alternative Remedial Contracting Strategy (ARCS) Program Management Costs.
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Considerations in Ground-Water Remediation at Superfund Sites and RCRA Facilities: Update.
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OSWER-9285.1-03
Standard Operating Safety Guides.
PB92-963414/REB 92-04 PC **A09**/MF **A03**

OSWER-9285.7-01B
Risk Assessment Guidance for Superfund. Volume 1. Human Health Evaluation Manual (Part B, Development of Risk-Based Preliminary Remediation Goals).
PB92-963333/REB 92-01 PC **A04**/MF **A01**

OSWER-9285.7-01BFS
Risk Assessment Guidance for Superfund. Volume 1. Human Health Evaluation Manual (Part B).
PB92-963339/REB 92-01 PC **A02**/MF **A01**

OSWER-9285.7-01C
Risk Assessment Guidance for Superfund. Volume 1. Human Health Evaluation Manual (Part C, Risk Evaluation of Remedial Alternatives).
PB92-963334/REB 92-01 PC **A05**/MF **A01**

OSWER-9285.7-01CFS
Risk Assessment Guidance for Superfund. Volume 1. Human Health Evaluation Manual (Part C).
PB92-963340/REB 92-01 PC **A02**/MF **A01**

OSWER-9285.7-08FS
Understanding Superfund Risk Assessment.
PB92-963372/REB 92-04 PC **A02**/MF **A01**

OSWER-9285.7-08I-VOL-1-NO-1
Supplemental Guidance to RAGS: Calculating the Concentration Term. Volume 1, Number 1, May 1992.
PB92-963373/REB 92-04 PC **A02**/MF **A01**

OSWER-9285.7-09A
Guidance for Data Useability in Risk Assessment (Part A).
PB92-963356/REB 92-04 PC **A13**/MF **A03**

OSWER-9285.7-09B
Guidance for Data Useability in Risk Assessment (Part B).
PB92-963362/REB 92-04 PC **A05**/MF **A01**

OSWER-9285.7-09FS
Guidance for Data Useability in Risk Assessment.
PB92-963363/REB 92-04 PC **A02**/MF **A01**

OSWER-9295.0-02
Memorandum of Understanding between the National Oceanic and Atmospheric Administration and the U.S. Environmental Protection Agency Concerning the Notification and Coordination of Activities Pursuant to the Comprehensive Environmental Response, Compensation, and Liability Act.
PB92-963281/REB 92-04 PC **A03**/MF **A01**

OSWER-9320.2-3C
Update No. 2 to 'Procedures for Completion and Deletion of NPL Sites'.
PB92-963344/REB 92-01 PC **A01**/MF **A01**

OSWER-9345.0-01A
Guidance for Performing Preliminary Assessments under CERCLA.
PB92-963303/REB 92-01 PC **A13**/MF **A03**

OSWER-9345.0-05I-VOL-1-NO-1
ECO Update: The Role of BTAGs in Ecological Assessment. Volume 1, Number 1, September 1991.
PB92-963337/REB 92-01 PC **A02**/MF **A01**

OSWER-9345.0-05I-VOL-1-NO-2
ECO Update: Ecological Assessment of Superfund Sites. An Overview. Volume 1, Number 2, December 1991.
PB92-963335/REB 92-01 PC **A02**/MF **A01**

OSWER-9345.0-05I-VOL-1-NO-3
ECO Update. Volume 1, Number 3. The Role of Natural Resource Trustees in the Superfund Process.
PB92-963369/REB 92-04 PC **A03**/MF **A01**

OSWER-9345.0-05I-VOL-1-NO-3
ECO Update. Volume 1, Number 4. Developing a Work Scope for Ecological Assessments.
PB92-963370/REB 92-04 PC **A03**/MF **A01**

OSWER-9345.0-05I-VOL-1-NO-5
ECO Update. Volume 1, Number 5, August 1992. Briefing the BTAG: Initial Description of Setting, History, and Ecology of a Site.
PB92-963374/REB 92-04 PC **A03**/MF **A01**

OSWER-9345.1-03FS
Revised Hazard Ranking System: Evaluating Sites After Waste Removals.
PB92-963326/REB 92-01 PC **A03**/MF **A01**

OSWER-9345.1-04
PREscore Software. Users Manual and Tutorial. Version 1.0.
PB92-963349/REB 92-01 PC **A05**/MF **A01**

OSWER-9345.1-08
Regional Quality Control Guidance for NPL Candidate Sites.
PB92-963352/REB 92-01 PC **A04**/MF **A01**

OSWER-9345.1-09-0
NPL Characterization Project: National Results.
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NPL Characterization Project: Region 1 Results.
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NPL Characterization Project: Region 2 Results.
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NPL Characterization Project: Region 5 Results.
PB92-963309/REB 92-01 PC **A05**/MF **A01**

OSWER-9345.1-09-6
NPL Characterization Project: Region 6 Results.
PB92-963310/REB 92-01 PC **A05**/MF **A01**

OSWER-9345.1-09-7
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OSWER-9345.1-09-8
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PB92-963312/REB 92-01 PC **A05**/MF **A01**

OSWER-9345.1-09-9
NPL Characterization Project: Region 9 Results.
PB92-963313/REB 92-01 PC **A05**/MF **A01**

OSWER-9345.1-09-10
NPL Characterization Project: Region 10 Results.
PB92-963314/REB 92-01 PC **A05**/MF **A01**

OSWER-9345.1-10-0
CERCLIS Characterization Project: National Results.
PB92-963315/REB 92-01 PC **A06**/MF **A02**

OSWER-9345.1-10-1
CERCLIS Characterization Project: Region 1 Results.
PB92-963316/REB 92-01 PC **A05**/MF **A01**

OSWER-9345.1-10-2
CERCLIS Characterization Project: Region 2 Results.
PB92-963317/REB 92-01 PC **A05**/MF **A01**

OSWER-9345.1-10-3
CERCLIS Characterization Project: Region 3 Results.
PB92-963318/REB 92-01 PC **A05**/MF **A01**

OSWER-9345.1-10-4
CERCLIS Characterization Project: Region 4 Results.
PB92-963319/REB 92-01 PC **A05**/MF **A01**

OSWER-9345.1-10-5
CERCLIS Characterization Project: Region 5 Results.
PB92-963320/REB 92-01 PC **A05**/MF **A01**

OSWER-9345.1-10-6
CERCLIS Characterization Project: Region 6 Results.
PB92-963321/REB 92-01 PC **A05**/MF **A01**

OSWER-9345.1-10-7
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PB92-963322/REB 92-01 PC **A05**/MF **A01**

OSWER-9345.1-10-8
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PB92-963323/REB 92-01 PC **A05**/MF **A01**

OSWER-9345.1-10-9
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PB92-963324/REB 92-01 PC **A05**/MF **A01**

OSWER-9345.1-10-10
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PB92-963325/REB 92-01 PC **A05**/MF **A01**

OSWER-9345.1-11
PA-Score Software, Version 1.0. Users Manual and Tutorial.
(EPA/SW/DK-92/002A)
PB92-963302/REB 92-01 PC **A04**/MF **A01**

OSWER-9345.3-03FS
Guide to Management of Investigation-Derived Wastes.
PB92-963353/REB 92-01 PC **A02**/MF **A01**

OSWER-9355.0-36
FY 1992 Themes for Regional Coordination to Support Continuous Improvements of Superfund's Remedial Program.
PB92-963368/REB 92-04 PC **A02**/MF **A01**

OSWER-9355.0-39FS
Remedial Action Report: Documentation for Operable Unit Completion.
PB92-963364/REB 92-04 PC **A01**/MF **A01**

OSWER-9355.4-05
Evaluation of Ground-Water Extraction Remedies: Phase 2. Volume 1. Summary Report.
PB92-963346/REB 92-04 PC **A03**/MF **A01**

OSWER-9355.4-05A
Evaluation of Ground-Water Extraction Remedies: Phase 2. Volume 2. Case Studies and Updates.
PB92-963347/REB 92-04 PC **A19**/MF **A04**

OSWER-9355.4-06
Summary of Treatment Technology Effectiveness for Contaminated Soil.
PB92-963351/REB 92-01 PC **A23**/MF **A04**

OSWER-9355.4-07FS
Estimating Potential for Occurrence of DNAPL at Superfund Sites.
PB92-963338/REB 92-01 PC **A03**/MF **A01**

OSWER-9355.6-05-1
ROD Annual Report, FY1991. Volume 1.
PB92-963359/REB 92-01 PC **A99**/MF **A06**

OSWER-9355.6-05-2
ROD Annual Report, FY1991. Volume 2.
PB92-963360/REB 92-01 PC **A18**/MF **A04**

OSWER-9360.0-22FS
Oil Notifications: Emergency Response Notification System (ERNS) Fact Sheet.
PB92-963413/REB 92-04 PC **A01**/MF **A01**

OSWER-9360.0-23FS
CERCLA Notifications: Emergency Response Notification System (ERNS) Fact Sheet.
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OSWER-9360.0-29FS
Overview of ERNS: Emergency Response Notification System (ERNS) Fact Sheet.
PB92-963412/REB 92-04 PC **A01**/MF **A01**

OSWER-9360.2-04
Authorization for Regional Administrators to Approve Consistency Exemptions at NPL Sites.
PB92-963343/REB 92-01 PC **A01**/MF **A01**

OSWER-9360.3-02
Superfund Removal Procedures: Guidance on the Consideration of ARARS during Removal Actions.
PB92-963401/REB 92-01 PC **A03**/MF **A01**

OSWER-9360.3-05
Superfund Removal Procedures: Public Participation Guidance for On-Scene Coordinators: Community Relations and the Administrative Record.
PB92-963416/REB 92-04 PC **A03**/MF **A01**

OSWER-9360.3-06
Superfund Removal Procedures: Removal Enforcement Guidance for On-Scene Coordinators.
PB92-963409/REB 92-04 PC **A03**/MF **A01**

OSWER-9360.3-06FS
Guide to Removal Enforcement.
PB92-963419/REB 92-04 PC **A01**/MF **A01**

OSWER-9360.4-04
Compendium of ERT Field Analytical Procedures.
PB92-963405/REB 92-04 PC **A05**/MF **A01**

OSWER-9360.4-05
Compendium of ERT Air Sampling Procedures.
PB92-963406/REB 92-04 PC **A07**/MF **A02**

OSWER-9360.4-10
Removal Program Representative Sampling Guidance. Volume 1. Soil.
PB92-963408/REB 92-01 PC **A04**/MF **A01**

OSWER-9360.4-12
CERCLA Reporting Requirements for Releases of Ethylene Glycol from Airplane De-Icing Operations.
PB92-963402/REB 92-01 PC **A02**/MF **A01**

OSWER-9360.6-06
Superfund Emergency Response Actions: A Summary of Federally-Funded Removals. Fifth Annual Report - Fiscal Year 1990.
PB92-963403/REB 92-01 PC **A08**/MF **A02**

OSWER-9360.6-08
Technical Assistance Team (TAT) Contracts Users' Manual.
PB92-963407/REB 92-01 PC **A09**/MF **A02**

OSWER-9360.7-08FS
Notification Requirements for Continuous Releases of Hazardous Substances.
PB92-963422/REB 92-04 PC **A02**/MF **A01**

OSWER-9360.8-01FS
OPA Q's and A's: Overview of the Oil Pollution Act of 1990.
PB92-963348/REB 92-01 PC **A02**/MF **A01**

OSWER-9375.5-01FS-A
State and Local Involvement in the Superfund Program.
PB92-963329/REB 92-01 PC **A01**/MF **A01**

OSWER-9375.5-03FS-A
Political Subdivision Involvement in Superfund.
PB92-963330/REB 92-01 PC **A01**/MF **A01**

OSWER-9375.5-04FS-A
Audits and the Superfund Program Manager.
PB92-963328/REB 92-01 PC **A01**/MF **A01**

OSWER-9375.6-08B
Analysis of State Superfund Programs: 50-State Study. 1991 Update.
PB92-963418/REB 92-04 PC **A12**/MF **A03**

OSWER-9380.1-10FS
Characterization Protocol for Radioactive Contaminated Soils.
PB92-963354/REB 92-01 PC **A02**/MF **A01**

OSWER-9380.3-06FS
Guide to Principal Threat and Low Level Threat Wastes.
PB92-963345/REB 92-01 PC **A01**/MF **A01**

OSWER-9834.11FS
Overview of the Off-Site Policy for OSCs and RPMs.
PB92-963603/REB 92-01 PC **A01**/MF **A01**

OSWER-9835.16
Guidance on Preparing Waste-in Lists and Volumetric Rankings for Release to Potentially Responsible Parties (PRPs) under CERCLA.
PB92-963606/REB 92-01 PC **A03**/MF **A01**

PA-Score (Preliminary Assessment Score), Version 1.0 (for Microcomputers).
(EPA/SW/DK-92/002)
PB92-500032/REB 92-01 CP **D02**

Organic Contract Compliance Screening System (OCCSS) Software (SOW February 1988) (for Microcomputers).
(EPA/SW/DK-92/034)
PB92-501501/REB 92-01 CP **D02**

Inorganic Contract Compliance Screening System (ICCSS) Software (SOW March 1990) (Version 1) (for Microcomputers).
(EPA/SW/DK-92/033)
PB92-501519/REB 92-01 CP **D02**

Organic Contract Compliance Screening System (OCCSS) Software (SOW March 1990) (Version 1) (for Microcomputers).
(EPA/SW/DK-92/032)
PB92-501527/REB 92-01 CP **D02**

Organic Contract Compliance Screening System (OCCSS) Software (SOW OLM01.8 Version January 1992) (Version 1) (for Microcomputers).
(EPA/SW/DK-92/031)
PB92-501535/REB 92-01 CP **D02**

Organic Contract Compliance Screening System (OCCSS) Software (OLM01.8 Version 2) (for Microcomputers).
(EPA/SW/DK-92/043)
PB92-502202/REB 92-04 CP **D02**

Superfund: Program Policies and Administration.
PB92-963200/REB 92-01 Standing Order

National Priorities List Sites Set (1991).
PB92-963253/REB 92-01 PC **E99**/MF **E99**

Superfund: Site Assessment and Remediation.
PB92-963300/REB 92-01 Standing Order

Superfund: Removals and Emergency Response.
PB92-963400/REB 92-01 Standing Order

Superfund: Technology and Analytical Services.
PB92-963500/REB 92-01 Standing Order

Superfund: Enforcement.
PB92-963600/REB 92-01 Standing Order

Superfund Record of Decision (EPA Region 1): Nyanza Chemical Waste Dump, Operable Unit 2, Ashland, MA. (Second Remedial Action), September 1991.
PB92-963704/REB 92-01 PC **A09**/MF **A02**

Superfund Record of Decision (EPA Region 2): Sinclair Refinery, Allegany County, Wellsville, NY. (Second Remedial Action), September 1991.
PB92-963827/REB 92-04 PC **A06**/MF **A02**

Superfund: Record of Decision.
PB92-964700/REB 92-01 Standing Order

ENVIRONMENTAL PROTECTION AGENCY, WASHINGTON, DC. OFFICE OF ENFORCEMENT.

EPA-22E-2000
Enforcement in the 1990's Project: Recommendations of the Analytical Workgroups.
PB92-224286/REB 92-04 PC **A17**/MF **A04**

Enforcement Document Retrieval System (EDRS) - ASCII (1972-November 1991).
PB92-592210/REB 92-01 Subscription

Enforcement Document Retrieval System (EDRS) - EBCDIC (1972-November 1991).
PB92-592220/REB 92-01 Subscription

Enforcement Document Retrieval System (EDRS) Master File (1972-April 1992).
PB92-592380/REB 92-01 Subscription$1,440.00

Enforcement Document Retrieval System (EDRS) Update File (November 14, 1991 to April 22, 1992).
(EPA/DF/MT-92/042)
PB92-592390/REB 92-01 CP **T99**

Environmental Protection Agency Civil Enforcement Docket.
PB92-921700/REB 92-01 Subscription

ENVIRONMENTAL PROTECTION AGENCY, WASHINGTON, DC. OFFICE OF ENVIRONMENTAL ENGINEERING AND TECHNOLOGY DEMONSTRATION.

EPA/600/R-92/043
Bioremediation Case Studies: An Analysis of Vendor Supplied Data.
PB92-232339/REB 92-04 PC **A03**/MF **A01**

EPA/600/R-92/044
Bioremediation Case Studies: Abstracts.
PB92-232347/REB 92-04 PC **A12**/MF **A03**

ENVIRONMENTAL PROTECTION AGENCY, WASHINGTON, DC. OFFICE OF EXPLORATORY RESEARCH.

EPA-21R-1005
Hazardous Substance Research Centers Program. Program Summary FY 1991. Office of Exploratory Research.
PB92-224419/REB 92-04 PC **A12**/MF **A03**

ENVIRONMENTAL PROTECTION AGENCY, WASHINGTON, DC. OFFICE OF HEALTH AND ENVIRONMENTAL ASSESSMENT.

EPA/600/6-90/006B
Respiratory Health Effects of Passive Smoking: Lung Cancer and Other Disorders.
PB92-182344/REB 92-04 PC **A24**/MF **A04**

EPA/600/8-91/053
Upper-Bound Quantitative Cancer Risk Estimate for Populations Adjacent to Sulfur Mustard Incineration Facilities.
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EPA/600/A-92/020
What Can Be Learnt from Protocols Relating to Non-Pharmaceuticals.
PB92-150424/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/007
Consideration of Pharmacokinetics and Temporal Sensitivity for Hydroxyurea in Relation to Teratogenic Potential.
PB92-136910/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/237
Review of Di(2-Ethylhexyl)Phthalate (DEHP) Risk Assessments.
PB92-198613/REB 92-04 PC **A03**/MF **A01**

EPA/600/J-92/238
Consideration of the Target Organ Toxicity of Trichloroethylene in Terms of Metabolite Toxicity and Pharmacokinetics.
PB92-198621/REB 92-04 PC **A06**/MF **A02**

EPA/600/J-92/239
Control of Alkaline Phosphatase Activity in C3H10T1/2 Cells: Role of Retinoic Acid and Cell Density.
PB92-198639/REB 92-04 PC **A03**/MF **A01**

EPA/600/J-92/240
Physiologically Based Kinetic Model of Rat and Mouse Gestation: Disposition of a Weak Acid.
PB92-198647/REB 92-04 PC **A03**/MF **A01**

EPA/600/R-92/085
Developmental Toxicology: Risk Assessment and the Future.
PB92-184993/REB 92-01 PC **A13**/MF **A03**

EPA/625/3-91/019F
Alpha2u-Globulin: Association with Chemically Induced Renal Toxicity and Neoplasia in the Male Rat.
PB92-143668/REB 92-01 PC **A07**/MF **A02**

OHEA-C-021
Physiologically Based Kinetic Model of Rat and Mouse Gestation: Disposition of a Weak Acid.
PB92-198647/REB 92-04 PC **A03**/MF **A01**

OHEA-C-291
Upper-Bound Quantitative Cancer Risk Estimate for Populations Adjacent to Sulfur Mustard Incineration Facilities.
PB92-137207/REB 92-01 PC **A03**/MF **A01**

OHEA-C-361
Respiratory Health Effects of Passive Smoking: Lung Cancer and Other Disorders.
PB92-182344/REB 92-04 PC **A24**/MF **A04**

OHEA-C-429
Consideration of Pharmacokinetics and Temporal Sensitivity for Hydroxyurea in Relation to Teratogenic Potential.
PB92-136910/REB 92-01 PC **A03**/MF **A01**

OHEA-C-466
Consideration of the Target Organ Toxicity of Trichloroethylene in Terms of Metabolite Toxicity and Pharmacokinetics.
PB92-198621/REB 92-04 PC **A06**/MF **A02**

OHEA-C-467
Review of Di(2-Ethylhexyl)Phthalate (DEHP) Risk Assessments.
PB92-198613/REB 92-04 PC **A03**/MF **A01**

OHEA-F-385
Alpha2u-Globulin: Association with Chemically Induced Renal Toxicity and Neoplasia in the Male Rat.
PB92-143668/REB 92-01 PC **A07**/MF **A02**

OHEA-R-285
Developmental Toxicology: Risk Assessment and the Future.
PB92-184993/REB 92-01 PC **A13**/MF **A03**

OHEA-R-437
What Can Be Learnt from Protocols Relating to Non-Pharmaceuticals.
PB92-150424/REB 92-01 PC **A03**/MF **A01**

OHEA-R-447
Control of Alkaline Phosphatase Activity in C3H10T1/2 Cells: Role of Retinoic Acid and Cell Density.
PB92-198639/REB 92-04 PC **A03**/MF **A01**

Report of the EPA Peer Review Workshop on Alpha2U-Globulin: Association with Renal Toxicity and Neoplasia in the Male Rat. Held in Gaithersburg, MD. on November 13-14, 1990.
(EPA/625/3-91/021)
PB92-166826/REB 92-01 PC **A05**/MF **A01**

Reference Guide to Odor Thresholds for Hazardous Air Pollutants Listed in the Clean Air Act Amendments of 1990.
(EPA/600/R-92/047, ECAO-R-0397)
PB92-239516/REB 92-04 PC **A05**/MF **A01**

ENVIRONMENTAL PROTECTION AGENCY, WASHINGTON, DC. OFFICE OF INFORMATION RESOURCES MANAGEMENT.

EPA/IMSD-91/014
INFOTERRA/USA Directory of Environmental Sources.
PB92-102433/REB 92-01 PC **A20**/MF **A04**

ENVIRONMENTAL PROTECTION AGENCY, WASHINGTON, DC. OFFICE OF MODELING, MONITORING SYSTEMS AND QUALITY ASSURANCE.

EPA/600/M-91/051
EMPA Monitor - March 1992 Edition.
PB92-239557/REB 92-04 PC **A03**/MF **A01**

ENVIRONMENTAL PROTECTION AGENCY, WASHINGTON, DC. OFFICE OF PESTICIDE PROGRAMS.

EPA/540/09-92/145
Alachlor Position Document 2/3.
PB92-111889/REB 92-01 PC **A02**/MF **A01**

EPA/540/09-92/146
Alachlor: Position Document, 4.
PB92-114248/REB 92-01 PC **A03**/MF **A01**

EPA/540/09-92/147
Cadmium: Special Review Document.
PB92-114230/REB 92-01 PC **A01**/MF **A01**

EPA/540/09-92/148
Daminozide Position Document 1.
PB92-114222/REB 92-01 PC **A02**/MF **A01**

EPA/540/09-92/149
Daminozide Position Document 2/3.
PB92-114214/REB 92-01 PC **A03**/MF **A01**

EPA/540/09-92/150
Daminozide Position Document 4.
PB92-114198/REB 92-01 PC **A01**/MF **A01**

EPA/540/09-92/151
Dichlorvos (DDVP) Position Document 1.
PB92-114271/REB 92-01 PC **A02**/MF **A01**

EPA/540/09-92/152
Inorganic Arsenicals Position Document 2/3.
PB92-114297/REB 92-01 PC **A03**/MF **A01**

EPA/540/09-92/153
Inorganic Arsenicals Position Document 4.
PB92-114305/REB 92-01 PC **A03**/MF **A01**

EPA/540/09-92/154
Captafol Final Decision.
PB92-114289/REB 92-01 PC **A01**/MF **A01**

EPA/540/09-92/155
Chlorobenzilate Position Document 1.
PB92-114313/REB 92-01 PC **A01**/MF **A01**

EPA/540/09-92/156
Dinocap Position Document 4.
PB92-114370/REB 92-01 PC **A03**/MF **A01**

EPA/540/09-92/157
Ethalfluralin Position Document 1/2/3/4.
PB92-114263/REB 92-01 PC **A02**/MF **A01**

EPA/540/09-92/158
1,3-Dichloropropene Position Document 1.
PB92-114206/REB 92-01 PC **A02**/MF **A01**

EPA/540/09-92/179
Creosote, Pentachlorophenol, and Inorganic Arsenicals; Amendment of Notice of Intent to Cancel Registrations.
PB92-152842/REB 92-01 PC **A03**/MF **A01**

EPA/540/09-92/180
Pesticide Reregistration Handbook: How to Respond to the Reregistration Eligibility Document.
PB92-154806/REB 92-01 PC **A03**/MF **A01**

EPA/540/09-92/201
Status of Pesticides in Reregistration and Special Review.
PB92-190438/REB 92-01 PC **A14**/MF **A03**

EPA/540/09-92/204
Emergency Exemptions under Section 18 of the Federal Insecticide Fungicide and Rodenticide Act. 1. Guidance for State and Federal Agencies.
PB92-183235/REB 92-04 PC **A03**/MF **A01**

EPA/540/09-92/205
Emergency Exemptions under Section 18 of the Federal Insecticide Fungicide and Rodenticide Act. 2. Instructions for Submission of Emergency Exemption Applications.
PB92-183243/REB 92-04 PC **A03**/MF **A01**

EPA/540/09-92/213
General Information on Applying for Registration of Pesticides in the United States. Second Edition.
PB92-221811/REB 92-04 PC **A13**/MF **A03**

EPA/540/FS-92/159
RED Facts: Fosetyl-Al (Aliette).
PB92-114321/REB 92-01 PC **A02**/MF **A01**

EPA/540/FS-92/163
RED. Facts: Potassium Bromide.
PB92-114354/REB 92-01 PC **A02**/MF **A01**

EPA/540/FS-92/170
Pesticide Fact Sheet Number 230: Clethodim.
PB92-145457/REB 92-01 PC **A02**/MF **A01**

EPA/540/FS-92/174
RED Facts: Inorganic Nitrate/Nitrite (Sodium and Potassium Nitrates).
PB92-145473/REB 92-01 PC **A02**/MF **A01**

EPA/540/FS-92/175
Pesticide Fact Sheet Number 231: Prodiamine.
PB92-145416/REB 92-01 PC **A03**/MF **A01**

EPA/540/FS-92/188
Pesticide Fact Sheet Number 232: Isoxaben.
PB92-160548/REB 92-01 PC **A02**/MF **A01**

EPA/540/FS-92/194
Pesticide Fact Sheet Number 233: Ethylene Bisdithiocarbamates (EBDCs).
PB92-185842/REB 92-01 PC **A03**/MF **A01**

EPA/540/FS-92/195
Pesticide Fact Sheet Number 234: Ethylene Oxide (EtO).
PB92-185859/REB 92-01 PC **A02**/MF **A01**

EPA/540/FS-92/196
Pesticide Fact Sheet Number 111.1: Calcium Arsenate (Tolerance Revocation).
PB92-186410/REB 92-01 PC **A01**/MF **A01**

EPA/540/FS-92/197
Pesticide Fact Sheet Number 225: Dichlorvos (DDVP).
PB92-185818/REB 92-01 PC **A01**/MF **A01**

EPA/540/FS-92/198
Pesticide Fact Sheet Number 112.1: Lead Arsenate.
PB92-185834/REB 92-01 PC **A01**/MF **A01**

EPA/540/FS-92/199
Pesticide Fact Sheet Number 91.1: Arsenic Acid (H3AsO4).
PB92-185826/REB 92-01 PC **A02**/MF **A01**

EPA/540/FS-92/203
RED Facts: Heptachlor.
PB92-192798/REB 92-01 PC **A02**/MF **A01**

EPA/540/FS-92/210
RED Facts: 'Allium sativum' (Garlic).
PB92-233139/REB 92-04 PC **A01**/MF **A01**

EPA/540/FS-92/218
Pesticide Fact Sheet Number 235: 'Bacillus subtilis' GB03.
PB92-238484/REB 92-04 PC **A02**/MF **A01**

EPA/540/FS-92/220
Pesticide Fact Sheet Number 237: Oxadixyl. (New Chemical Registration).
PB92-238492/REB 92-04 PC **A02**/MF **A01**

EPA/540/FS-92/221
Pesticide Fact Sheet Number 238: 'Pseudomonas fluorescens' and 'Pseudomonas syringae' Strains.
PB92-238500/REB 92-04 PC **A02**/MF **A01**

EPA/540/RS-92/126
Reregistration Eligibility Document (RED): Fosetyl-Al (Aliette).
PB92-114339/REB 92-01 PC **A04**/MF **A01**

EPA/540/RS-92/127
Reregistration Eligibility Document (RED): Heliothis zea NPV (List A, Case Number 151).
PB92-111863/REB 92-01 PC **A03**/MF **A01**

EPA/540/RS-92/128
Reregistration Eligibility Document (RED): Methoprene (List A, Case 0030).
PB92-111855/REB 92-01 PC **A03**/MF **A01**

EPA/540/RS-92/161
Reregistration Eligibility Document (RED): Sulfur (List A, Case 0031).
PB92-114453/REB 92-01 PC **A04**/MF **A01**

EPA/540/RS-92/162
Reregistration Elegibility Document (RED): Potassium Bromide.
PB92-114362/REB 92-01 PC **A03**/MF **A01**

EPA/540/RS-92/164
Reregistration Eligibility Document (RED): Warfarin.
PB92-126739/REB 92-01 PC **A04**/MF **A01**

EPA/540/RS-92/167
Reregistration Eligibility Document (RED): Warfarin. Appendices C-H.
PB92-126747/REB 92-01 PC **A06**/MF **A02**

EPA/540/RS-92/181
Reregistration Eligibility Document (RED): Propionic Acid.
PB92-161983/REB 92-01 PC **A03**/MF **A01**

EPA/540/RS-92/182
Reregistration Eligibility Document (RED): Dried Blood.
PB92-161942/REB 92-01 PC **A03**/MF **A01**

EPA/540/RS-92/184
Reregistration Eligibility Document (RED): Inorganic Nitrate/Nitrite (Sodium and Potassium Nitrates).
PB92-161975/REB 92-01 PC **A03**/MF **A01**

EPA/540/RS-92/185
Reregistration Eligibility Document (RED): Carbon and Carbon Dioxide.
PB92-161926/REB 92-01 PC **A03**/MF **A01**

EPA/540/RS-92/187
Reregistration Eligibility Document (RED): Silicon Dioxide and Silica Gel.
PB92-161900/REB 92-01 PC **A04**/MF **A01**

EPA/540/RS-92/193
Reregistration Eligibiligy Document (RED): Sodium and Calcium Hypochlorites.
PB92-180116/REB 92-01 PC **A04**/MF **A01**

EPA/540/RS-92/207
Reregistration Eligibility Document (RED): 'Allium sativum' (Garlic).
PB92-220235/REB 92-04 PC **A07**/MF **A02**

EPA/540/RS-92/208
Reregistration Eligibility Document (RED): Alkyl Amine Hydrochloride.
PB92-220219/REB 92-04 PC **A06**/MF **A02**

EPA/540/RS-92/209
Reregistration Eligibility Document (RED): Putrescent Whole Egg Solids.
PB92-220227/REB 92-04 PC **A06**/MF **A02**

EPA/540/RS-92/217
Reregistration Eligibility Document (RED): Indole-3-Butyric Acid. (List B, Case 2330).
PB92-238526/REB 92-04 PC **A12**/MF **A03**

EPA/700/K-92/005
Healthy Lawn, Healthy Environment. Caring for Your Lawn in an Environmentally Friendly Way.
PB92-233899/REB 92-04 PC **A03**/MF **A01**

EPA/700/R-92/004
Status of Pesticides in Reregistration and Special Review (Rainbow Report).
PB92-227636/REB 92-04 PC **A14**/MF **A03**

EPA/735/R-92/001
Pesticide Safety for Farmworkers (Uso Seguro de Pesticidas para los Trabajadores del Campo).
PB92-224344/REB 92-04 PC **A03**

EPA/737/B-92/001
General Information on Applying for Registration of Pesticides in the United States. Second Edition.
PB92-221811/REB 92-04 PC **A13**/MF **A03**

General Information on Applying for Registration of Pesticides in the United States. Second Edition (for Microcomputers).
(EPA/DF/DK-92/052)
PB92-504356/REB 92-04 CP **D02**

Pesticide Compact Label File - 1990 Updates.
PB92-911600/REB 92-01 Subscription

Compact Label File - 1992 (Fiche 1 - 5281).
PB92-911699/REB 92-01 MF**$2640.00**

ENVIRONMENTAL PROTECTION AGENCY, WASHINGTON, DC. OFFICE OF PESTICIDES AND TOXIC SUBSTANCES.

EPA/20T-1002
Suspended, Cancelled, and Restricted (SCR) Pesticides.
PB92-231240/REB 92-04 PC **A06**/MF **A02**

EPA-20T-1004
Pesticides in Drinking-Water Wells.
PB92-225069/REB 92-04 PC **A03**/MF **A01**

EPA-20T-3002
Protecting Endangered Species: Interim Measures, Navajo County, Arizona.
PB92-232511/REB 92-04 PC **A01**/MF **A01**

EPA-20T-3003
Protecting Endangered Species: Interim Measures, Towns County, Georgia.
PB92-232503/REB 92-04 PC **A01**/MF **A01**

EPA-20T-3004
Protecting Endangered Species: Interim Measures, Jackson County, Mississippi.
PB92-232495/REB 92-04 PC **A01**/MF **A01**

EPA-20T-3005
Protecting Endangered Species: Interim Measures, Monongalia County, West Virginia.
PB92-232438/REB 92-04 PC **A01**/MF **A01**

EPA-20T-3006
Protecting Endangered Species: Interim Measures, Aransas County, Texas.
PB92-232644/REB 92-04 PC **A01**/MF **A01**

EPA-20T-3014
Protecting Endangered Species: Interim Measures, Coconino County, Arizona.
PB92-232636/REB 92-04 PC **A01**/MF **A01**

EPA-20T-3015
Protecting Endangered Species: Interim Measures, Clayton County, Iowa.
PB92-232628/REB 92-04 PC **A01**/MF **A01**

EPA-20T-3016
Protecting Endangered Species: Interim Measures, Dubuque County, Iowa.
PB92-232560/REB 92-04 PC **A01**/MF **A01**

EPA-20T-3017
Protecting Endangered Species: Interim Measures, Fayette County, Iowa.
PB92-232578/REB 92-04 PC **A01**/MF **A01**

EPA-20T-3021
Protecting Endangered Species: Interim Measures, Habersham County, Georgia.
PB92-232586/REB 92-04 PC **A01**/MF **A01**

EPA-20T-3024
Protecting Endangered Species: Interim Measures, Rabun County, Georgia.
PB92-232594/REB 92-04 PC **A01**/MF **A01**

EPA-20T-3025
Protecting Endangered Species: Interim Measures, Stephens County, Georgia.
PB92-224096/REB 92-04 PC **A01**/MF **A01**

EPA-20T-3037
Protecting Endangered Species: Interim Measures, Cochise County, Arizona.
PB92-232602/REB 92-04 PC **A01**/MF **A01**

EPA-20T-3038
Protecting Endangered Species: Interim Measures, Bolivar County, Mississippi.
PB92-232610/REB 92-04 PC **A01**/MF **A01**

EPA-20T-3039
Protecting Endangered Species: Interim Measures, Sunflower County, Mississippi.
PB92-232552/REB 92-04 PC **A01**/MF **A01**

EPA-20T-3040
Protecting Endangered Species: Interim Measures, Austin County, Texas.
PB92-232545/REB 92-04 PC **A01**/MF **A01**

EPA-20T-3041
Protecting Endangered Species: Interim Measures, Culberson County, Texas.
PB92-232412/REB 92-04 PC **A01**/MF **A01**

EPA-20T-3042
Protecting Endangered Species: Interim Measures, El Paso County, Texas.
PB92-232420/REB 92-04 PC **A01**/MF **A01**

EPA-20T-3043
Protecting Endangered Species: Interim Measures, Hudspeth County, Texas.
PB92-232487/REB 92-04 PC **A01**/MF **A01**

EPA-20T-3044
Protecting Endangered Species: Interim Measures, Graham County, Arizona.
PB92-232529/REB 92-04 PC **A01**/MF **A01**

EPA-20T-3045
Protecting Endangered Species: Interim Measures, Carter County, Tennessee.
PB92-232537/REB 92-04 PC **A01**/MF **A01**

EPA-20T-3046
Protecting Endangered Species: Interim Measures, Davidson County, Tennessee.
PB92-232735/REB 92-04 PC **A01**/MF **A01**

EPA-20T-3047
Protecting Endangered Species: Interim Measures, Franklin County, Tennessee.
PB92-231091/REB 92-04 PC **A01**/MF **A01**

EPA-20T-3048
Protecting Endangered Species: Interim Measures, Wilson County, Tennessee.
PB92-231083/REB 92-04 PC **A01**/MF **A01**

EPA-20T-3049
Protecting Endangered Species: Interim Measures, Avery County, North Carolina.
PB92-231109/REB 92-04 PC **A01**/MF **A01**

EPA/20T-3050
Protecting Endangered Species: Interim Measures. Decatur County, Georgia.
PB92-231117/REB 92-04 PC **A01**/MF **A01**

EPA-20T-3051
Protecting Endangered Species: Interim Measures, Gordon County, Georgia.
PB92-232743/REB 92-04 PC **A01**/MF **A01**

EPA-20T-3052
Protecting Endangered Species: Interim Measures, Dooly County, Georgia.
PB92-232750/REB 92-04 PC **A01**/MF **A01**

EPA-20T-3053
Protecting Endangered Species: Interim Measures, Henderson County, North Carolina.
PB92-232768/REB 92-04 PC **A01**/MF **A01**

EPA-20T-3054
Protecting Endangered Species: Interim Measures, Lee County, Georgia.
PB92-232776/REB 92-04 PC **A01**/MF **A01**

EPA-20T-3055
Protecting Endangered Species: Interim Measures, Baker County, Georgia.
PB92-232404/REB 92-04 PC **A01**/MF **A01**

EPA-20T-3056
Protecting Endangered Species: Interim Measures, Mitchell County, North Carolina.
PB92-232651/REB 92-04 PC **A01**/MF **A01**

EPA-20T-3057
Protecting Endangered Species: Interim Measures, Mohave County, Arizona.
PB92-232669/REB 92-04 PC **A01**/MF **A01**

EPA-20T-3058
Protecting Endangered Species: Interim Measures, Yavapai County, Arizona.
PB92-232677/REB 92-04 PC **A01**/MF **A01**

EPA-20T-3059
Protecting Endangered Species: Interim Measures, Burke County, Georgia.
PB92-232685/REB 92-04 PC **A01**/MF **A01**

EPA-20T-3060
Protecting Endangered Species: Interim Measures, Wheeler County, Georgia.
PB92-232693/REB 92-04 PC **A01**/MF **A01**

EPA/20T-3061
Protecting Endangered Species: Interim Measures. Walker County, Georgia.
PB92-226224/REB 92-04 PC **A01**/MF **A01**

EPA-20T-3062
Protecting Endangered Species: Interim Measures, Sumter County, Georgia.
PB92-232701/REB 92-04 PC **A01**/MF **A01**

EPA-20T-3063
Protecting Endangered Species: Interim Measures, Colorado County, Texas.
PB92-232719/REB 92-04 PC **A01**/MF **A01**

EPA-20T-3064
Protecting Endangered Species: Interim Measures, Floyd County, Georgia.
PB92-232727/REB 92-04 PC **A01**/MF **A01**

EPA21T-1005
EPA's Pesticide Programs.
PB92-233147/REB 92-04 PC **A03**/MF **A01**

EPA-21T-1022
Pesticides and Ground-Water Strategy.
PB92-225051/REB 92-04 PC **A06**/MF **A02**

EPA/540/FS-91/143
Pesticide Fact Sheet Number 226: Bensulfuron Methyl.
PB92-104389/REB 92-01 PC **A02**/MF **A01**

EPA/540/FS-91/144
Pesticide Fact Sheet Number 227: Gokilaht.
PB92-110006/REB 92-01 PC **A02**/MF **A01**

EPA/540/FS-92/125
RED Facts: Heliothis zea NPV.
PB92-111871/REB 92-01 PC **A02**/MF **A01**

EPA/540/FS-92/129
RED Facts: Methoprene.
PB92-111848/REB 92-01 PC **A02**/MF **A01**

EPA/540/FS-92/160
RED Facts: Sulfur.
PB92-114347/REB 92-01 PC **A02**/MF **A01**

EPA/540/FS-92/165
RED Facts: Warfarin.
PB92-126754/REB 92-01 PC **A02**/MF **A01**

EPA/540/FS-92/168
Pesticide Fact Sheet Number 228: Triflumizole.
PB92-126978/REB 92-01 PC **A02**/MF **A01**

EPA/540/FS-92/169
Pesticide Fact Sheet Number 229: Diquat Dibromide.
PB92-126986/REB 92-01 PC **A03**/MF **A01**

EPA/540/FS-92/171
RED Facts: Dried Blood.
PB92-145465/REB 92-01 PC **A02**/MF **A01**

EPA/540/FS-92/172
RED Facts: Sodium Diacetate.
PB92-145440/REB 92-01 PC **A02**/MF **A01**

EPA/540/FS-92/173
RED Facts: Silicon Dioxide and Silica Gel.
PB92-145432/REB 92-01 PC **A02**/MF **A01**

EPA/540/FS-92/177
RED Facts: Propionic Acid.
PB92-147891/REB 92-01 PC **A02**/MF **A01**

EPA/540/FS-92/178
RED Facts: Carbon Dioxide.
PB92-145424/REB 92-01 PC **A02**/MF **A01**

EPA/540/FS-92/179
RED Facts: Carbon.
PB92-147883/REB 92-01 PC **A02**/MF **A01**

EPA/540/FS-92/189
RED Facts: Sodium and Calcium Hypochlorite Salts.
PB92-171958/REB 92-01 PC **A02**/MF **A01**

EPA/540/FS-92/211
RED Facts: Putrescent Whole Egg Solids.
PB92-235621/REB 92-04 PC **A01**/MF **A01**

EPA/540/FS-92/212
RED Facts: Alkyl Amine Hydrochloride.
PB92-235639/REB 92-04 PC **A02**/MF **A01**

EPA/540/FS-92/215
RED Facts: Citric Acid.
PB92-221837/REB 92-04 PC **A01**/MF **A01**

EPA/540/RS-92/202
Reregistration Eligibility Document (RED): Heptachlor.
PB92-191105/REB 92-01 PC **A06**/MF **A02**

EPA/560/7-91/008
Risk Assessment, Management, Communication: A Guide to Selected Sources. Volume 4, Number 1.
PB92-114412/REB 92-01 PC **A07**/MF **A02**

EPA/700/K-92/001
Emergency Planning and Community Right-to-Know Act: Section 313 Release Reporting Requirements.
PB92-226216/REB 92-04 PC **A03**/MF **A01**

Citizen's Guide to Pesticides (Fourth Edition), November 1991.
PB92-218403/REB 92-04 PC **A03**/MF **A01**

ENVIRONMENTAL PROTECTION AGENCY, WASHINGTON, DC. OFFICE OF POLICY, PLANNING AND EVALUATION.

EPA/230/R-92/003
Guide to Selected National Environmental Statistics in the U.S. Government.
PB92-201144/REB 92-04 PC **A05**/MF **A02**

EPA/530/SW-91/029
States' Efforts to Promote Lead-Acid Battery Recycling.
PB92-119965/REB 92-01 PC **A04**/MF **A01**

Economic Incentives: Options for Environmental Protection.
PB92-224831/REB 92-04 PC **A07**/MF **A02**

ENVIRONMENTAL PROTECTION AGENCY, WASHINGTON, DC. OFFICE OF POLLUTION, PREVENTION, AND TOXICS.

EPA/700/C-92/004
Toxic Release Inventory (TRI). Documentation for the 1990 Magnetic Tape.
(EPA/700/C-92/036A)
PB92-155381/REB 92-01 PC **A06**/MF **A02**

EPA/744/B-92/001
Common Synonyms: For Chemicals Listed Under Section 313 of the Emergency Planning and Community Right-to-Know Act.
PB92-232164/REB 92-04 PC **A06**/MF **A02**

EPA/749/N-92/001
Risk Assessment, Management, Communication: A Guide to Selected Sources Volume 4, Number 2.
PB92-238518/REB 92-04 PC **A09**/MF **A02**

EPCRA Section 313 Roadmaps Database. User's Manual. (Version 2.2) (for Microcomputers).
(EPA/DF/DK-92/040A)
PB92-169523/REB 92-01 PC **A05**/MF **A01**

Toxic Release Inventory (TRI), 1990.
(EPA/DF/MT-92/036)
PB92-501816/REB 92-01 CP **T14**

Roadmaps to Sources of Information on Chemicals Listed in the Emergency Planning Community and Community Right-to-Know Act (Also Known as SARA Title 3), Section 313. Toxic Release Inventory (for Microcomputers).
(EPA/DF/DK-92/040)
PB92-501972/REB 92-01 CP **D04**

ENVIRONMENTAL PROTECTION AGENCY, WASHINGTON, DC. OFFICE OF RESEARCH AND DEVELOPMENT.

EPA/540/K-92/001
Radioactive Site Remediation Technologies Seminar. Speaker Slide Copies.
PB92-231174/REB 92-04 PC **A04**/MF **A01**

ENVIRONMENTAL PROTECTION AGENCY, WASHINGTON, DC. OFFICE OF SOLID WASTE.

EPA/530/R-92/002
Best Demonstrated Available Technology (BDAT) Background Document for Quality Assurance/Quality Control Procedures and Methodology.
PB92-149277/REB 92-01 PC **A07**/MF **A02**

EPA/530/R-92/004
Action Leakage Rates for Leak Detection Systems. (Supplemental Background Document for the Final Double Liners and Leak Detection Systems Rule for Hazardous Waste Landfills, Waste Piles, and Surface Impoundments).
PB92-128214/REB 92-01 PC **A04**/MF **A01**

EPA/530/R-92/008A
Projected Regulatory, Programmatic and Fiscal Impacts of EPA's Strawman-II on State Mine Waste Management Programs. Volume 1. Summary Report.
PB92-190156/REB 92-01 PC **A04**/MF **A01**

EPA/530/R-92/008B
Projected Regulatory, Programmatic and Fiscal Impacts of EPA's Strawman-II on State Mine Waste Management Programs. Volume 2. State Reports of Western Governors' Association Mine Waste Task Force States.
PB92-190164/REB 92-01 PC **A99**

EPA/530/R-92/008C
Projected Regulatory, Programmatic and Fiscal Impacts of EPA's Strawman-II on State Mine Waste Management Programs. Volume 3. Appendix: State Reports Interstate Coalition on Mine Waste.
PB92-190172/REB 92-01 PC **A14**

EPA/530/R-92/011
Technical Implementation Document for EPA's Boiler and Industrial Furnace Regulations.
PB92-154947/REB 92-01 PC **A11**/MF **A03**

EPA/530/R-92/013
Characterization of Products Containing Mercury in Municipal Solid Waste in the United States, 1970 to 2000.
PB92-162569/REB 92-01 PC **A07**/MF **A02**

EPA/530/R-92/018
Update Package for RCRA Permit Policy Compendium (Assorted Volumes).
PB92-182518/REB 92-04 PC **E99**

EPA/530/R-92/022
Handbook of RCRA Ground-Water Monitoring Constituents: Chemical and Physical Properties (40 CFR Part 264, Appendix 9).
PB92-233287/REB 92-04 PC **A13**/MF **A03**

EPA/530/R-92/023
No Migration Variances to the Hazardous Waste Land Disposal Prohibitions: A Guidance Manual for Petitioners (July 1992).
PB92-207695/REB 92-04 PC **A05**/MF **A02**

EPA/530/SW-91/075
National Survey of Hazardous Waste Generators and Treatment, Storage, Disposal, and Recycling Facilities in 1986. Hazardous Waste Generation and Management.
PB92-123025/REB 92-01 PC **A12**/MF **A03**

RCRIS Data Element Dictionary, Version 3.0.0. Data Tape Documentation.
PB92-145515/REB 92-01 PC **A25**/MF **A06**

Projected Regulatory, Programmatic and Fiscal Impacts of EPA's Strawman-II on State Mine Waste Management Programs.
PB92-190149/REB 92-01 PC **E99**

Resource Conservation and Recovery Information System (RCRIS) Extract Tape.
(EPA/DF/MT-92/029)
PB92-592290/REB 92-01 CP **T01**

RCRA, Superfund Monthly Hot Line Reports.
PB92-922400/REB 92-01 Subscription$96.00

ENVIRONMENTAL PROTECTION AGENCY, WASHINGTON, DC. OFFICE OF SOLID WASTE AND EMERGENCY RESPONSE.

EPA/500/B-92/002
Consolidated List of Chemicals Subject to Reporting under the Emergency Planning and Community Right-to-Know Act. (Title III of the Superfund Amendments and Reauthorization Act of 1986).
(EPA/DF/DK-92/035A)
PB92-155399/REB 92-01 PC **A04**/MF **A01**

EPA/520/SW-91/062A
RCRA Permit Policy Compendium. Volume 1. User's Guide. Key Word Index.
PB92-111715/REB 92-01 PC **E10**

EPA/530/R-92/001
State Programs Advisory Number Nine.
PB92-149285/REB 92-01 PC **A99**/MF **E16**

EPA/530/R-92/010
Preliminary Use and Substitutes Analysis of Lead and Cadmium in Products in Municipal Solid Waste.
PB92-162551/REB 92-01 PC **A09**/MF **A02**

EPA/530/R-92/019
Characterization of Municipal Solid Waste in the United States: 1992 Update.
PB92-207166/REB 92-04 PC **A07**/MF **A02**

EPA/530/SW-90/074A
Markets for Scrap Tires.
PB92-115252/REB 92-01 PC **A06**/MF **A02**

EPA/530/SW-91/062B
RCRA Permit Policy Compendium. Volume 2 (9420.1980-9434.1900). Hazardous Waste Management System (Part 260). General, Definitions, Petitions.
PB92-111723/REB 92-01 PC **A13**

EPA/530/SW-91/062C
RCRA Permit Policy Compendium. Volume 3 (9441.1980-9441.1986). Identification and Listing of Hazardous Waste (Part 261). General.
PB92-111731/REB 92-01 PC **A14**

EPA/530/SW-91/062D
RCRA Permit Policy Compendium. Volume 4 (9441.1987-9441.1990). Identification and Listing of Hazardous Waste (Part 261). General.
PB92-111749/REB 92-01 PC **A14**

EPA/530/SW-91/062E
RCRA Permit Policy Compendium. Volume 5 (9442.1980-9444.1986). Identification and Listing of Hazardous Waste (Part 261). Criteria for Identifying Hazardous Waste, Characteristics of Hazardous Waste, Lists of Hazardous Waste.
PB92-111756/REB 92-01 PC **A14**

EPA/530/SW-91/062F
RCRA Permit Policy Compendium. Volume 6 (9444.1987-9457.1990). Identification and Listing of Hazardous Waste (Part 261). Lists (Cont'd), Generator Standards (Part 262), General, Pretransportation, Recordkeeping, Special Conditions, Importing.
PB92-111764/REB 92-01 PC **A15**

EPA/530/SW-91/062G
RCRA Permit Policy Compendium. Volume 7 (9460.1980-9482.1990). Transporter Standards (Part 263). (TSDF's) (Parts 264 and 265), TSDF Technical Requirements (Parts 264 and 265).
PB92-111772/REB 92-01 PC **A11**

EPA/530/SW-91/062H
RCRA Permit Policy Compendium. Volume 8 (9483.1980-9489.1990). TSDF Technical Requirements (Parts 264 and 265). Tanks, Surface Impoundments, Waste Piles, Land Treatment, Landfills, Incinerators, Miscellaneous Units.
PB92-111780/REB 92-01 PC **A15**

EPA/530/SW-91/062I
RCRA Permit Policy Compendium. Volume 9 (9490.1980-9521.1990). Standards for Managing Specific Hazardous Wastes (Part 266). Permitting Policies, Permitting Procedures (Parts 124 and 270).
PB92-111798/REB 92-01 PC **A15**

EPA/530/SW-91/062J
RCRA Permit Policy Compendium. Volume 10 (9522.1980-9528.1990). Permitting Procedures (Parts 124 and 270). Applications, Conditions, Changes, Interim Status.
PB92-111806/REB 92-01 PC **A15**

EPA/530/SW-91/062K
RCRA Permit Policy Compendium. Volume 11 (9530.1980-9581.1990). Air Emissions Standards, State Authorization (Part 271), Land Disposal Restrictions (Part 268). Waste Minimization, Subtitle D, RCRA Grant Funds.
PB92-111814/REB 92-01 PC **A17**

EPA/530/SW-91/073A
Regulatory Impact Analysis for the Final Criteria for Municipal Solid Waste Landfills.
PB92-100841/REB 92-01 PC **A13**/MF **A03**

EPA/530/SW-91/073B
Addendum to the Regulatory Impact Analysis for the Final Criteria for Municipal Solid Waste Landfills.
PB92-100858/REB 92-01 PC **A03**/MF **A01**

EPA/540/2-91/001
Innovative Treatment Technologies: Semi-Annual Status Report. (Third Edition).
PB92-173210/REB 92-01 PC **A05**/MF **A01**

EPA/540/2-91/013B
Guide for Conducting Treatability Studies under CERCLA: Aerobic Biodegradation Remedy Screening. Quick Reference Fact Sheet.
PB92-224377/REB 92-04 PC **A02**/MF **A01**

EPA/540/2-91/015
Forum on Innovative Hazardous Waste Treatment Technologies (3rd): Domestic and International. Held in Dallas, Texas on June 11-13, 1991. Technical Papers.
PB92-219732/REB 92-04 PC **A22**/MF **A04**

EPA/540/2-91/016
Forum on Innovative Hazardous Waste Treatment Technologies (3rd): Domestic and International. Held in Dallas, Texas on June 11-13, 1991. Abstract Proceedings.
PB92-233881/REB 92-04 PC **A05**/MF **A01**

EPA/540/2-91/018
Bioremediation in the Field. An Information Update on Applying Bioremediation to Site Clean-Up. Number 3.
PB92-224807/REB 92-04 PC **A03**/MF **A01**

EPA/540/2-91/019B
Guide for Conducting Treatability Studies under CERCLA: Soil Vapor Extraction. Quick Reference Fact Sheet.
PB92-224401/REB 92-04 PC **A02**/MF **A01**

EPA/540/2-91/019B
Guide for Conducting Treatability Studies under CERCLA: Soil Vapor Extraction. Quick Reference Fact Sheet.
PB92-231281/REB 92-04 PC **A02**/MF **A01**

EPA/540/2-91/027
Bioremediation in the Field: An Information Update on Applying Bioremediation to Site Cleanup. (Number 4).
PB92-224708/REB 92-04 PC **A03**/MF **A01**

EPA/540/4-91/005
Ground-Water Issue: The Effects of Well Casing Material on Ground Water-Quality.
PB92-224724/REB 92-04 PC **A03**/MF **A01**

EPA/540/9-91/001
OSWER Source Book: Training and Technology Transfer Resources.
PB92-102169/REB 92-01 PC **A13**/MF **A03**

EPA/540/9-91/002
Innovative Treatment Technologies: Overview and Guide to Information Sources.
PB92-179001/REB 92-01 PC **A20**/MF **A04**

EPA/540/S-92/002
TCE Removal from Contaminated Soil and Ground Water. Ground Water Issue.
PB92-224104/REB 92-04 PC **A03**/MF **A01**

EPA/540/S-92/003
In-situ Bioremediation of Contaminated Ground Water.
PB92-224336/REB 92-04 PC **A03**/MF **A01**

EPA/540/S-92/004
Evaluation of Soil Venting Application. Ground Water Issue.
PB92-235605/REB 92-04 PC **A02**/MF **A01**

EPA/542/F-92/001
Citizen's Guide to Innovative Treatment Technologies for Contaminated Soils, Sludges, Sediments and Debris.
PB92-235563/REB 92-04 PC **A02**/MF **A01**

EPA/542/F-92/002
Citizen's Guide to How Innovative Treatment Technologies Are Being Successfully Applied at Superfund Sites.
PB92-233071/REB 92-04 PC **A01**/MF **A01**

EPA/542/F-92/003
Citizen's Guide to Soil Washing.
PB92-233097/REB 92-04 PC **A02**/MF **A01**

EPA/542/F-92/004
Citizen's Guide to Solvent Extraction.
PB92-233089/REB 92-04 PC **A01**/MF **A01**

EPA/542/F-92/005
Citizen's Guide to Glycolate Dehalogenation.
PB92-233105/REB 92-04 PC **A02**/MF **A01**

EPA/542/F-92/006
Citizen's Guide to Thermal Desorption.
PB92-232396/REB 92-04 PC **A02**/MF **A01**

EPA/542/F-92/007
Citizen's Guide to In situ Soil Flushing.
PB92-233113/REB 92-04 PC **A02**/MF **A01**

EPA/542/F-92/008
Citizen's Guide to Bioventing.
PB92-235571/REB 92-04 PC **A01**/MF **A01**

EPA/542/F-92/009
Citizen's Guide to Using Indigenous and Exogenous Microorganisms in Bioremediation.
PB92-235589/REB 92-04 PC **A01**/MF **A01**

EPA/542/F-92/010
Citizen's Guide to Air Sparging.
PB92-235597/REB 92-04 PC **A01**/MF **A01**

EPA/542/F-92/012
Procuring Innovative Technologies at Remedial Sites: Q's and A's and Case Studies.
PB92-232388/REB 92-04 PC **A03**/MF **A01**

EPA/542/N-92/001
Tech Trends (Number 8).
PB92-221985/REB 92-04 PC **A01**/MF **A01**

EPA/542/N-92/002
Vendor Information System for Innovative Treatment Technologies (VISITT). Number 1.
PB92-224716/REB 92-04 PC **A02**/MF **A01**

EPA/542/R-92/001
Vendor Information System for Innovative Treatment Technologies. User Manual (VISITT Version 1.0). Number 1.
PB92-221647/REB 92-04 PC **A03**/MF **A01**

EPA/560/4-92/011
Consolidated List of Chemicals Subject to Reporting under the Emergency Planning and Community Right-to-Know Act. (Title III of the Superfund Amendments and Reauthorization Act of 1986).
(EPA/DF/DK-92/035A)
PB92-155399/REB 92-01 PC **A04**/MF **A01**

EPA/580/CE-91/002
Bibliography of Materials on the Emergency Planning and Community Right-to-Know Act (Title III of SARA).
PB92-224823/REB 92-04 PC **A03**/MF **A01**

OSWER DIRECTIVE-9541.00-14
State Programs Advisory Number Nine.
PB92-149285/REB 92-01 PC **A99**/MF **E16**

OSWER DIRECTIVE-9836.0-1A
Community Relations during Enforcement Activities and Development of the Administrative Record.
PB92-105469/REB 92-01 PC **A03**/MF **A01**

OSWER DIRECTIVE-9902.5
Section 3008(h) Module Order on Consent.
PB92-105477/REB 92-01 PC **A03**/MF **A01**

OSWER-91-009.1
Making It Work: Title 3 Compliance. The Public's Right-to-Know.
PB92-224690/REB 92-04 PC **A02**/MF **A01**

OSWER-9938.9
Conducting RCRA Inspections at Mixed Waste Facilities.
PB92-105196/REB 92-01 PC **A04**/MF **A01**

RCRA Permit Policy Compendium.
PB92-111707/REB 92-01 PC **E99**

ENVIRONMENTAL PROTECTION AGENCY, WASHINGTON, DC. OFFICE OF THE ADMINISTRATOR.

Directory of EPA Support to Minority Academic Institutions, FY 1990-1991.
PB92-218353/REB 92-04 PC **A05**/MF **A02**

Protecting the Nation's Ground Water: EPA's Strategy for the 1990s: The Final Report of the EPA Ground-Water Task Force.
PB92-224765/REB 92-04 PC **A05**/MF **A01**

ENVIRONMENTAL PROTECTION AGENCY, WASHINGTON, DC. OFFICE OF THE ASSISTANT ADMINISTRATOR FOR WATER.

EPA/440/1-91/023
Preliminary Data Summary for the Wood Preserving Segment of the Timber Products Processing Point Source Category.
PB92-232156/REB 92-04 PC **A07**/MF **A02**

EPA/440/4-87/004
Technical Guidance Manual for Performing Wasteload Allocation. Book 6. Design Conditions. Chapter 1: Stream Design Flow for Steady-State Modeling.
PB92-231778/REB 92-04 PC **A04**/MF **A01**

EPA/440/4-91/001
Guidance for Water Quality-Based Decisions: The TMDL Process.
PB92-231620/REB 92-04 PC **A04**/MF **A01**

EPA/440/5-90/002
Reference Guide to Water Quality Standards for Indian Tribes.
PB92-231661/REB 92-04 PC **A03**/MF **A01**

EPA/440/5-90/004
Biological Criteria: National Program Guidance for Surface Waters.
PB92-231497/REB 92-04 PC **A04**/MF **A01**

EPA/440/5-91/003
Biological Criteria: State Development and Implementation Efforts.
PB92-231513/REB 92-04 PC **A03**/MF **A01**

EPA/440/5-91/005
Proceedings of a Symposium: Biological Criteria Research and Regulation. Held in Arlington, Virginia on December 12-13, 1990.
PB92-231505/REB 92-04 PC **A09**/MF **A02**

EPA/503/9-91/009
Report to Congress on Ocean Dumping, 1987-1990.
PB92-188663/REB 92-01 PC **A04**/MF **A01**

EPA/503/9-92/002
Watershed Protection Approach: An Overview.
PB92-224732/REB 92-04 PC **A03**/MF **A01**

EPA/503/9-92/006
National Water Quality Inventory: 1990 Report to Congress.
PB92-227800/REB 92-04 PC **A11**/MF **A03**

EPA/503/9-92/007
National Estuary Program After Four Years: A Report to Congress.
PB92-233154/REB 92-04 PC **A06**/MF **A02**

EPA/506/2-89/003
Selecting Priority Nonpoint Source Projects: You Better Shop Around.
PB92-233063/REB 92-04 PC **A03**/MF **A01**

EPA/570/9-89/001
Lead in School Drinking Water.
PB92-137439/REB 92-01 PC **A04**/MF **A01**

EPA/570/9-89/008
Protecting Our Drinking Water from Microbes.
PB92-140581/REB 92-01 PC **A03**/MF **A01**

EPA/570/9-90/005
Citizen Monitoring: Recommendations to Public Water System Users.
PB92-227255/REB 92-04 PC **A01**/MF **A01**

EPA/570/9-90/006
Citizen Monitoring: Recommendations to Household Well Users.
PB92-227263/REB 92-04 PC **A01**/MF **A01**

EPA/570/9-90/013
Drinking Water from Household Wells.
PB92-140573/REB 92-01 PC **A03**/MF **A01**

EPA/570/9-91/004
Manual of Individual and Non-Public Water Supply Systems.
PB92-117944/REB 92-01 PC **A09**/MF **A02**

EPA/570/9-91/005
Study of State Operator Certification Programs.
PB92-137199/REB 92-01 PC **A05**/MF **A01**

EPA/570/9-91/005
Is Your Drinking Water Safe.
PB92-232198/REB 92-04 PC **A03**/MF **A01**

EPA/570/9-91/022
Summary of Phase II Regulations: National Primary Drinking Water Regulation for 38 Inorganic and Synthetic Organic Chemicals.
PB92-122969/REB 92-01 PC **A04**/MF **A01**

EPA/821/R-92/003
Economic Impact Analysis of Proposed Effluent Limitations Guidelines and Standards for the Pesticide Manufacturing Industry.
PB92-173533/REB 92-01 PC **A15**/MF **A03**

EPA/821/R-92/004
Cost-Effectiveness Analysis of Proposed Effluent Limitations Guidelines and Standards for the Pesticide Manufacturing Industry.
PB92-173525/REB 92-01 PC **A03**/MF **A01**

EPA/822/B-91/001
Special Interest Group (SIG) Forum for Fish Consumption Risk Management. User's Manual, v.1.0: A Division of the Nonpoint Source Information Exchange Computer Bulletin Board System (NPS BBS).
PB92-231687/REB 92-04 PC **A04**/MF **A01**

EPA/822/R-92/001
Consumption Surveys for Fish and Shellfish. A Review and Analysis of Survey Methods.
PB92-231539/REB 92-04 PC **A04**/MF **A01**

Drinking Water Health Advisory for Aldrin.
PB92-135417/REB 92-01 PC **A03**/MF **A01**

Drinking Water Health Advisory for Ammonia.
PB92-135425/REB 92-01 PC **A03**/MF **A01**

Drinking Water Health Advisory Antimony.
PB92-135433/REB 92-01 PC **A03**/MF **A01**

Drinking Water Health Advisory for Beryllium.
PB92-135441/REB 92-01 PC **A03**/MF **A01**

Drinking Water Health Advisory for Boron.
PB92-135458/REB 92-01 PC **A03**/MF **A01**

Drinking Water Health Advisory for Chlorpyrifos.
PB92-135466/REB 92-01 PC **A03**/MF **A01**

Drinking Water Health Advisory for Isophorone.
PB92-135474/REB 92-01 PC **A03**/MF **A01**

Drinking Water Health Advisory for Malathion.
PB92-135482/REB 92-01 PC **A03**/MF **A01**

Drinking Water Health Advisory for p-Nitrophenol.
PB92-135490/REB 92-01 PC **A03**/MF **A01**

Drinking Water Health Advisory for Phenol.
PB92-135508/REB 92-01 PC **A03**/MF **A01**

Drinking Water Health Advisory for Silver.
PB92-135516/REB 92-01 PC **A03**/MF **A01**

Drinking Water Health Advisory for Thallium.
PB92-135524/REB 92-01 PC **A03**/MF **A01**

Your Drinking Water: From Source to Tap EPA Regulations and Guidance.
PB92-140599/REB 92-01 PC **A03**/MF **A01**

Drinking Water Criteria Document for Antimony.
PB92-173293/REB 92-01 PC **A05**/MF **A01**

Drinking Water Criteria Document for Dalapon.
PB92-173327/REB 92-01 PC **A04**/MF **A01**

Quantification of Toxicological Effects for Dichloromethane.
PB92-173335/REB 92-01 PC **A03**/MF **A01**

Drinking Water Criteria Document for Di(2-Ethylhexyl) Adipate.
PB92-173343/REB 92-01 PC **A05**/MF **A01**

Drinking Water Criteria Document for Dinoseb.
PB92-173350/REB 92-01 PC **A05**/MF **A01**

Drinking Water Criteria Document for Diquat.
PB92-173368/REB 92-01 PC **A05**/MF **A01**

Drinking Water Criteria Document for Endothall.
PB92-173376/REB 92-01 PC **A05**/MF **A01**

Drinking Water Criteria Document for Glyphosate.
PB92-173392/REB 92-01 PC **A03**/MF **A01**

Drinking Water Criteria Document for Oxamyl (VYDATE).
PB92-173434/REB 92-01 PC **A05**/MF **A01**

Drinking Water Criteria Document for Picloram.
PB92-173467/REB 92-01 PC **A04**/MF **A01**

Drinking Water Criteria Document for Simazine.
PB92-173475/REB 92-01 PC **A05**/MF **A02**

Drinking Water Criteria Document for Thallium.
PB92-173483/REB 92-01 PC **A06**/MF **A02**

Drinking Water Criteria Document for 1,1,2-Trichloroethane.
PB92-173509/REB 92-01 PC **A05**/MF **A01**

Technical Guidance Manual for Performing Waste Load Allocations. Book 3: Estuaries. Part 3: Use of Mixing Zone Models in Estuarine Waste Load Allocations.
PB92-231745/REB 92-04 PC **A03**/MF **A01**

Health Advisory for Isopropyl Methylphosphonic Acid (IMPA).
PB92-232149/REB 92-04 PC **A03**/MF **A01**

ENVIRONMENTAL PROTECTION AGENCY, WASHINGTON, DC. OFFICE OF TOXIC SUBSTANCES.

EPA/560/2-91/002
Carpet Policy Dialogue. Compendium Report, September 27, 1991.
PB92-115005/REB 92-01 PC **A99**/MF **A06**

EPA/700/K-92/004
Pesticide Reregistration.
PB92-231182/REB 92-04 PC **A03**/MF **A01**

EPA/700/R-92/002
Determination of Rates of Reaction in the Gas-Phase in the Troposphere. Theory and Practice. 3. Rate of Indirect Photoreaction.
PB92-150374/REB 92-01 PC **A11/MF A03**

EPA/700/R-92/003
Determination of Rates of Reaction in the Gas-Phase in the Troposphere. Theory and Practice. 4. Rate of Indirect Photoreaction.
PB92-150382/REB 92-01 PC **A05/MF A01**

Toxic Release Inventory (TRI) United States and Territories, 1987.
PB92-100114/REB 92-01 MF**$600.00**

Toxic Release Inventory (TRI) United States and Territories, 1988.
PB92-100122/REB 92-01 MF**$600.00**

Toxic Release Inventory (TRI) 1987-1989, (on CD-ROM).
(EPA/DF/CD-92/001)
PB92-500024/REB 92-01 CD-ROM$45.00

Consolidated List of Chemical Subject to Reporting under the Emergency Planning and Community Right to Know Act. SARA Section 302 Extremely Hazardous Substances, CERCL Hazardous Substances and SARA Section 313 Toxic Chemicals (Title III, List of Lists) (for Microcomputers).
(EPA/DF/DK-92/035)
PB92-501774/REB 92-01 CP **D02**

ENVIRONMENTAL PROTECTION AGENCY, WASHINGTON, DC. OFFICE OF UNDERGROUND STORAGE TANKS.

EPA/530/UST-91/018
Leaking Underground Storage Tanks and Health: Understanding Health Risks from Petroleum Contamination.
PB92-184969/REB 92-01 PC **A03/MF A01**

ENVIRONMENTAL PROTECTION AGENCY, WASHINGTON, DC. OFFICE OF WATER REGULATIONS AND STANDARDS.

EPA/440/2-84/002
Economic Impact Analysis of Effluent Limitations and Standards for the Battery Manufacturing Industry.
PB92-231901/REB 92-04 PC **A08/MF A02**

EPA/440/5-88/089
Introduction to Water Quality Standards.
PB92-231646/REB 92-04 PC **A03/MF A01**

Environmental Profiles and Hazard Indices for Constituents of Municipal Sludge: Mercury.
PB92-122977/REB 92-01 PC **A05/MF A01**

Environmental Profiles and Hazard Indices for Constituents of Municipal Sludge: Lead.
PB92-122965/REB 92-01 PC **A05/MF A01**

Environmental Profiles and Hazard Indices for Constituents of Municipal Sludge: Beryllium.
PB92-122993/REB 92-01 PC **A03/MF A01**

Environmental Profiles and Hazard Indices for Constituents of Municipal Sludge: Nickel.
PB92-123009/REB 92-01 PC **A05/MF A01**

Environmental Profiles and Hazard Indices for Constituents of Municipal Sludge: DDT/DDE/DDD.
PB92-150408/REB 92-01 PC **A05/MF A01**

Guidance for State Implementation of Water Quality Standards for CWA Section 303(C)(2)(B).
PB92-231604/REB 92-04 PC **A03/MF A01**

Status Report: State Compliance with CWA Section 303(c)(2)(B) as of February 4, 1990.
PB92-231695/REB 92-04 PC **A05/MF A01**

Technical Guidance Manual for Performing Waste Load Allocations: Simplified Analytical Method for Determining *NPDES Effluent Limitations for* POTWs Discharging into Low-Flow Streams.
PB92-231786/REB 92-04 PC **A04/MF A01**

Technical Support Manual: Waterbody Surveys and Assessments for Conducting Use Attainability Analyses.
PB92-231794/REB 92-04 PC **A10/MF A03**

Technical Support Manual: Waterbody Surveys and Assessments for Conducting Use Attainability Analyses. Volume 3: Lake Systems.
PB92-231802/REB 92-04 PC **A10/MF A03**

Compilation of Water Quality Standards for Marine Waters.
PB92-231836/REB 92-04 PC **A99**

Technical Guidance on Supplementary Stream Design Conditions for Steady State Modeling.
PB92-231844/REB 92-04 PC **A05/MF A01**

Water Quality Standards Handbook.
PB92-231851/REB 92-04 PC **A12/MF A03**

Technical Support Manual: Waterbody Surveys and Assessments for Conducting Use Attainability Analyses. Volume 2: Estuarine Systems.
PB92-231877/REB 92-04 PC **A09/MF A02**

ENVIRONMENTAL PROTECTION AGENCY, WASHINGTON, DC. OFFICE OF WETLANDS, OCEANS AND WATERSHEDS.

EPA/503/8-92/002
U.S. EPA Nonpoint Source Information Exchange Computer Bulletin Board System (BBS). User's Manual.
PB92-228048/REB 92-04 PC **A04/MF A01**

EPA/840/B-92/001
Office of Wetlands, Oceans and Watersheds Publications.
PB92-224310/REB 92-04 PC **A03/MF A01**

ENVIRONMENTAL PROTECTION AGENCY, WASHINGTON, DC. QUALITY ASSURANCE MANAGEMENT STAFF.

EPA/600/A-92/012
Quality and Environmental Protection: The EPA QA Program.
PB92-143791/REB 92-01 PC **A02/MF A01**

ENVIRONMENTAL PROTECTION AGENCY, WASHINGTON, DC. RISK ASSESSMENT FORUM.

EPA/625/3-91/022
Peer Review Workshop Report on a Framework for Ecological Risk Assessment.
PB92-213198/REB 92-04 PC **A06/MF A02**

ENVIRONMENTAL PROTECTION AGENCY, WASHINGTON, DC. SEDIMENT OVERSIGHT TECHNICAL COMMITTEE.

EPA/506/6-90/002
Managing Contaminated Sediments. EPA Decision-Making Processes.
PB92-231653/REB 92-04 PC **A04/MF A01**

EPA/506/6-90/003
Contaminated Sediments: Relevant Statutes and EPA *Program Activities.*
PB92-231547/REB 92-04 PC **A07/MF A02**

Sediment Classification Methods Compendium.
PB92-231679/REB 92-04 PC **A13/MF A03**

ENVIRONMENTAL PROTECTION AGENCY, WASHINGTON, DC. STATIONARY SOURCE COMPLIANCE DIV.

EPA/340/1-92/010
Guidelines for Catastrophic Emergency Situations Involving Asbestos.
PB92-218361/REB 92-04 PC **A04/MF A01**

ENVIRONMENTAL QUALITY MANAGEMENT, INC., DURHAM, NC.

Air/Superfund National Technical Guidance Study Series. Guideline for Predictive Baseline Emissions Estimation Procedures for Superfund Sites.
(EPA/450/1-92/002)
PB92-171909/REB 92-01 PC **A03/MF A01**

ENVIRONMENTAL RESEARCH INST., ADA, OK.

Detecting Water Flow Behind Pipe in Injection Wells.
(EPA/600/R-92/041)
PB92-239532/REB 92-04 PC **A05/MF A01**

ENVIRONMENTAL RESEARCH LAB., ATHENS, GA.

EPA/600/A-92/025
Field Testing Pesticide Transport Models at a Cooperative Test Site Near Plains, Georgia.
PB92-150473/REB 92-01 PC **A02/MF A01**

EPA/600/A-92/026
Abiotic Transformations of Pesticides *in Natural Waters* and Sediments.
PB92-150481/REB 92-01 PC **A03/MF A01**

EPA/600/A-92/027
Sunlight-Induced Oxidation and Reduction of Organic Xenobiotics in Water, 1992.
PB92-150499/REB 92-01 PC **A03/MF A01**

EPA/600/A-92/075
Application of MINTEQA2 to the Speciation of Contaminants at Globe, Arizona.
PB92-166602/REB 92-01 PC **A02/MF A01**

EPA/600/A-92/089
Toxicity of Ammonia, Nitrite, and Nitrate to Fishes.
PB92-179142/REB 92-01 PC **A03/MF A01**

EPA/600/D-91/230
Reductive Dechlorination of Dichlorophenols in Anaerobic Pond Sediments (Chapter 13).
PB92-101708/REB 92-01 PC **A03/MF A01**

EPA/600/J-90/544
Problems Associated with Published Environmental Fate Data.
PB92-101666/REB 92-01 PC **A03/MF A01**

EPA/600/J-91/217
Quantitative Assessment of the Effects of Metals on Microbial Degradation of Organic Chemicals.
PB92-101385/REB 92-01 PC **A02/MF A01**

EPA/600/J-91/220
Application of Multispectral Techniques to the Precise Identification of *Aldehydes in the Environment.*
PB92-101419/REB 92-01 PC **A02/MF A01**

EPA/600/J-91/221
Regiospecific Dechlorination of Pentachlorophenol by Dichlorophenol-Adapted Microorganisms in Freshwater, Anaerobic Sediment Slurries.
PB92-101674/REB 92-01 PC **A03/MF A01**

EPA/600/J-91/222
Microbial Degradation of Flurtamone in Three Georgia Soils.
PB92-101682/REB 92-01 PC **A02/MF A01**

EPA/600/J-91/223
Carbonate Equilibria and Groundwater Sample Collection: Implications for Estimated Average Subsurface Properties in Continental North America.
PB92-101690/REB 92-01 PC **A03/MF A01**

EPA/600/J-91/293
Predicting Chemical Reactivity by Computer.
PB92-124312/REB 92-01 PC **A03/MF A01**

EPA/600/J-91/294
Estimation of Water Solubility and Octanol/Water Partition Coefficient of Hydrophobic Dyes. Part 2. Reverse-Phase High Performance *Liquid Chromatography.*
PB92-124338/REB 92-01 PC **A02/MF A01**

EPA/600/J-91/295
Estimation of Water Solubility and Octanol/Water Partition Coefficient of Hydrophobic Dyes. Part 1. Relationship between Solubility and Partition Coefficient.
PB92-124320/REB 92-01 PC **A03/MF A01**

EPA/600/J-91/296
Environmental Factors Correlated to Dichlorophenol Dechlorination in Anoxic Freshwater Sediments.
PB92-124346/REB 92-01 PC **A03/MF A01**

EPA/600/J-91/297
Multispectral Identification of Alkyl and Chloroalkyl Phosphates from an Industrial Effluent.
PB92-124353/REB 92-01 PC **A02/MF A01**

EPA/600/J-91/298
Influence of Experimental Conditions on the Liquid Secondary Ion Mass Spectra of Sulfonated Azo Dyes.
PB92-124361/REB 92-01 PC **A02/MF A01**

EPA/600/J-92/090
Hydroxyl Radical Formation in Aqueous Reactions (pH 3-8) of Iron(II) with Hydrogen Peroxide: The Photo-Fenton Reaction.
PB92-153824/REB 92-01 PC **A02/MF A01**

EPA/600/J-92/126
Treating Soil Solution Samplers to Prevent Microbial Removal of Analytes.
PB92-166610/REB 92-01 PC **A02/MF A01**

EPA/600/J-92/127
New Perspectives in Aquatic Redox Chemistry: Abiotic Transformations of Pollutants in Groundwater and Sediments.
PB92-166628/REB 92-01 PC **A03/MF A01**

EPA/600/J-92/155
Sorption of Heavy Metals by the Soil Fungi 'Aspergillus niger' and Mucor rouxii.
PB92-179811/REB 92-01 PC **A02/MF A01**

EPA/600/J-92/156
Modelling Individuals Employing an Integrated Energy Response: Application to 'Daphnia'.
PB92-179829/REB 92-01 PC **A03/MF A01**

EPA/600/J-92/157
Spectroscopic Study of Surface Redox Reactions With Manganese Oxides.
PB92-179837/REB 92-01 PC **A02/MF A01**

EPA/600/J-92/179
Structural Characterization of Sulfonated Azo Dyes Using Liquid Secondary Ion Mass Spectrometry/Tandem Mass Spectrometry.
PB92-188861/REB 92-01 PC **A03/MF A01**

EPA/600/J-92/275
Estimating Agriculture's Net Contribution to Atmospheric Carbon.
PB92-217165/REB 92-04 PC **A03/MF A01**

EPA/600/J-92/276
Approach to Assessment of Management Impacts on Agricultural Soil Carbon.
PB92-217173/REB 92-04 PC **A03/MF A01**

EPA/600/J-92/277
Seasonal Variations of Stable Hydrogen and Carbon Isotope Ratios of Methane in Subtropical Freshwater Sediments.
PB92-217181/REB 92-04 PC **A03/MF A01**

EPA/600/J-92/332
Role of Property-Reactivity Relationships in Meeting the EPA's Needs for Environmental *Fate Constants.*
PB92-232941/REB 92-04 PC **A02/MF A01**

ISBN-0-471-50232-4
Abiotic Transformations of Pesticides in Natural Waters and Sediments.
PB92-150481/REB 92-01 PC **A03/MF A01**

ISBN-0-471-50232-4
Sunlight-Induced Oxidation and Reduction of Organic Xenobiotics in Water, 1992.
PB92-150499/REB 92-01 PC **A03/MF A01**

ENVIRONMENTAL RESEARCH LAB., ATHENS, GA. CENTER FOR EXPOSURE ASSESSMENT MODELING.

EPA/823/R-92/002
Technical Guidance Manual for Performing Waste Load Allocations. Book 3: Estuaries. Part 1: Estuaries and *Waste Load Allocation Models.*
PB92-231729/REB 92-04 PC **A05/MF A01**

EPA/823/R-92/003
Technical Guidance *Manual for Performing* Waste Load Allocations. Book 3: Estuaries. Part 2: Application of Estuarine Waste Load Allocation Models.
PB92-231737/REB 92-04 PC **A06/MF A02**

Technical Guidance Manual for Performing Waste Load Allocations. Book 3: Estuaries. Part 4: Critical Review of Estuarine WLA Modeling.
PB92-231752/REB 92-04 PC **A04/MF A01**

ENVIRONMENTAL RESEARCH LAB., ATHENS, GA. *OFFICE OF RESEARCH AND DEVELOPMENT.*

EPA/600/A-92/074
Preliminary Results of a Pesticide Leaching Study at Plains, Georgia.
PB92-166354/REB 92-01 PC **A02/MF A01**

EPA/600/J-91/215
Fluorescence Techniques for Metal-Humic Interactions.
PB92-101369/REB 92-01 PC **A03/MF A01**

EPA/600/J-91/218
Predicting Chemical Concentration Effects on Transformation Rates of Dissolved Organics by Complex Microbial Assemblages.
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EPA/600/J-92/145
QSARs for Predicting Biotic and Abiotic Reductive Transformation Rate Constants of Halogenated Hydrocarbons in Anoxic Sediment Systems.
PB92-166792/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/146
QSARs for Predicting Reductive Transformation Rate Constants of Halogenated Aromatic Hydrocarbons in Anoxic Sediment Systems.
PB92-166800/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/147
Reductive Transformations of Halogenated Aromatic Hydrocarbons in Anaerobic Water-Sediment Systems: Kinetics, Mechanisms and Products.
PB92-166818/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/333
Ozonation Byproducts: Identification of Bromohydrins *from* the Ozonation Natural Waters with Enhanced Bromide Levels.
PB92-232958/REB 92-04 PC **A02**/MF **A01**

ENVIRONMENTAL RESEARCH LAB.-DULUTH, MN.

EPA/600/3-91/063
Guidelines for Conducting Early Life Stage Toxicity Tests with Japanese Medaka 'Oryzias latipes'.
PB92-137488/REB 92-01 PC **A03**/MF **A01**

EPA/600/3-91/064
Guidelines for Culturing the Japanese Medaka, 'Oryzias latipes'.
PB92-137496/REB 92-01 PC **A03**/MF **A01**

EPA/600/6-91/003
Methods for Aquatic Toxicity Identification Evaluations. *Phase 1 Toxicity Characterization Procedures.* Second Edition.
PB92-100072/REB 92-01 PC **A05**/MF **A01**

EPA/600/A-92/133
Mercury in the St. Louis River, Mississippi River, Crane Lake, and Sand Point Lake: Cycling, Distribution, and Sources. Report to the Legislative Commission on Minnesota Resources.
PB92-195957/REB 92-01 PC **A07**/MF **A02**

EPA/600/A-92/141
ASTER: An Integration of the ACQUIRE Data Base and the QSAR System for Use in Ecological Risk Assessments.
PB92-198217/REB 92-04 PC **A02**/MF **A01**

EPA/600/J-91/326
Mercury Deposition and Sources for the Upper Great Lakes Region.
PB92-120500/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/006
Physiologically Based Toxicokinetic Model for the Uptake and Disposition of Waterborne Organic Chemicals in Fish.
PB92-136902/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/010
Modeling Studies for Planning: The Green Bay Project.
PB92-136944/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-92/045
Predicting the Toxicity of Bulk Sediments to Aquatic Organisms with *Aqueous Test Fractions: Pore Water versus* Elutriate.
PB92-150606/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-92/050
Contribution of Ammonia, Metals and Nonpolar Organic Compounds to the Toxicity of Sediment Interstitial Water from an Illinois River Tributary.
PB92-150648/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/286
Prediction of Octanol/Water Partition Coefficient (K sub ow) with Algorithmically Derived Variables.
PB92-217348/REB 92-04 PC **A02**/MF **A01**

TR-03-91
Predicting the Toxicity of Bulk Sediments to Aquatic Organisms with *Aqueous Test Fractions: Pore Water versus* Elutriate.
PB92-150606/REB 92-01 PC **A02**/MF **A01**

Osmoregulatory Failure and Death of First-Year Largemouth Bass 'Micropterus salmoides' Exposed to Low pH and Elevated Aluminum, at Low Temperatures in Soft Water.
(EPA/600/J-92/268)
PB92-205236/REB 92-04 PC **A03**/MF **A01**

Aquatic Toxicity Information Retrieval Data Base (ACQUIRE).
(EPA/DF/MT-92/019)
PB92-500453/REB 92-01 CP **T02**

Aquqtic Toxicity Information on VAX VMS Backup (ACQUIRE for VMS).
(EPA/DF/MT-92/020)
PB92-500479/REB 92-01 CP **T02**

Complex Effluent Toxicity Information System (CETIS) (for Microcomputers).
(EPA/SW/DK-92/039)
PB92-501899/REB 92-01 CP **D04**

ENVIRONMENTAL RESEARCH LAB., GULF BREEZE, FL.

CONTRIB-694
Use of Marsh Plants for Toxicity Testing of Water and Sediment.
PB92-195882/REB 92-01 PC **A03**/MF **A01**

CONTRIB-702
Ovarian Mycosis in the Topsmelt 'Atherinops affinis'.
PB92-129691/REB 92-01 PC **A01**/MF **A01**

CONTRIB-706
Water Quality Model for a River Receiving Paper Mill Effluents and Conventional Sewage.
PB92-195643/REB 92-01 PC **A03**/MF **A01**

CONTRIB-713
Synthetic Substrata for Propagation and Testing of Soil and Sediment Organisms.
PB92-195676/REB 92-01 PC **A03**/MF **A01**

CONTRIB-714
Performance Characterization of a Model Bioreactor for the Biodegradation of Trichloroethylene by 'Pseudomonas cepacia' G4.
PB92-129717/REB 92-01 PC **A02**/MF **A01**

CONTRIB-718
Comparative Acute Sensitivity of Larval Topsmelt, 'Atherinops affinis', and Inland Silverside, 'Menidia beryllina', to 11 Chemicals.
PB92-195668/REB 92-01 PC **A02**/MF **A01**

CONTRIB-721
Bench-Scale Evaluation of *Alternative Biological Treatment* Processes for the Remediation of Pentachlorophenol- and Creosote-Contaminated Materials: Slurry-Phase Bioremediation.
PB92-129683/REB 92-01 PC **A02**/MF **A01**

CONTRIB-722
Bench-Scale Evaluation of Alternative Biological Treatment Processes for the Remediation of Pentachlorophenol- and Creosote-Contaminated Materials: Solid-Phase Bioremediation.
PB92-129725/REB 92-01 PC **A03**/MF **A01**

CONTRIB-724
Reproductive Ecology of the Inland Silverside, 'Menidia beryllina', (Pisces: Atherinidae) from Blackwater Bay, Florida.
PB92-195775/REB 92-01 PC **A03**/MF **A01**

CONTRIB-728
Biodegradation of Creosote and Pentachlorophenol in Contaminated Groundwater: Chemical and Biological Assessment.
PB92-129659/REB 92-01 PC **A03**/MF **A01**

CONTRIB-730
Mutants of 'Pseudomonas cepacia' G4 Defective in Catabolism of Aromatic Compounds and Trichloroethylene.
PB92-129741/REB 92-01 PC **A02**/MF **A01**

CONTRIB-732
Detoxification of Pentachlorophenol and Creosote Contaminated Groundwater by Physical Extraction: Chemical and Biological Assessment.
PB92-129733/REB 92-01 PC **A02**/MF **A01**

EPA/600/A-92/121
Use of Marsh Plants for Toxicity Testing of Water and Sediment.
PB92-195882/REB 92-01 PC **A03**/MF **A01**

EPA/600/A-92/122
*Mosquito Control Pesticides: Adverse Impacts to Fresh*water Aquatic and Marine Organisms.
PB92-195890/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-91/328
Biodegradation of Creosote and Pentachlorophenol in Contaminated Groundwater: Chemical and Biological Assessment.
PB92-129659/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-91/329
Acclimation of Aquatic Microbial Communities to Hg(II) and CH3Hg(+) in Polluted Freshwater Ponds.
PB92-129667/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-91/331
Bench-Scale Evaluation of Alternative Biological Treatment Processes for the Remediation of Pentachlorophenol- and Creosote-Contaminated Materials: Slurry-Phase Bioremediation.
PB92-129683/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-91/332
Ovarian Mycosis in the Topsmelt 'Atherinops affinis'.
PB92-129691/REB 92-01 PC **A01**/MF **A01**

EPA/600/J-91/333
Changes in the Physiological Performance and Energy Metabolism of an Estuarine Mysid 'Mysidopsis bahia' Exposed in the Laboratory through a Complete Life Cycle to the Defoliant DEF.
PB92-129709/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-91/334
Performance Characterization of a Model Bioreactor for the Biodegradation of Trichloroethylene by 'Pseudomonas cepacia' G4.
PB92-129717/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-91/335
Bench-Scale Evaluation of Alternative Biological Treatment Processes for the Remediation of Pentachlorophenol- and Creosote-Contaminated Materials: Solid-Phase Bioremediation.
PB92-129725/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-91/336
Detoxification of Pentachlorophenol and Creosote Contaminated Groundwater by Physical Extraction: Chemical and Biological Assessment.
PB92-129733/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-91/337
Mutants of 'Pseudomonas cepacia' G4 Defective in Catabolism of Aromatic Compounds and Trichloroethylene.
PB92-129741/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-91/338
Responses of Wetland Plants to Effluents in Water and Sediment.
PB92-129758/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-91/339
Heterotrophic Bacteria of the Freshwater Neuston and *Their Ability to Act as Plasmid Recipients under Nutrient* Deprived Conditions.
PB92-129766/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-91/340
Fate of 'Bacillus sphaericus' 2362 Spores Following Ingestion by Nontarget Invertebrates.
PB92-129774/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-91/341
Carcinoma of the Exocrine Pancreas in Medaka.
PB92-129782/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-91/342
Induction of *Cytochrome P-450-IA1 in Juvenile Fish by* Creosote-Contaminated Sediment.
PB92-129790/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-91/343
Copper Toxicity to Sperm, Embryos and Larvae of Topsmelt 'Atherinops affinis', with Notes on Induced Spawning.
PB92-129808/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/207
*Water Quality Model for a River Receiving Paper Mill Ef*fluents and Conventional Sewage.
PB92-195643/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/208
Disease Incidence and Potential Mechanisms of Defense for MSX-Resistant and -Susceptible Eastern Oysters Held in Chesapeake Bay.
PB92-195650/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-92/209
Comparative Acute Sensitivity of *Larval Topsmelt*, 'Atherinops affinis', and Inland Silverside, 'Menidia beryllina', to 11 Chemicals.
PB92-195668/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-92/210
Synthetic Substrata for Propagation and Testing of Soil and Sediment Organisms.
PB92-195676/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/211
*Effects of Fenvalerate on the Early Life Stages of Tops*melt ('Atherinops affinis').
PB32-195684/REB 92-04 PC **A02**/MF **A01**

EPA/600/J-92/213
Spongiosis Hepatis: Chemical Induction, Pathogenesis, and Possible Neoplastic Fate in a Teleost Fish Model.
PB92-195700/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/218
Laboratory Spawning of Topsmelt, 'Atherinops affinis', *with Notes on Culture and Growth of Larvae.*
PB92-195759/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-92/220
Reproductive Ecology of the Inland Silverside, 'Menidia beryllina', (Pisces: Atherinidae) from Blackwater Bay, Florida.
PB92-195775/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/221
Abundant Males in Populations of a Selfing Hermaphrodite Fish, 'Rivulus marmoratus', from Some Belize Cays.
PB92-195783/REB 92-01 PC **A02**/MF **A01**

EPA/600/R-92/066
Workshop: Application of Microcosms for Assessing the Risk of Microbial Biotechnology Products. Held in Hunt Valley, Maryland on May 19, 1992.
PB92-216951/REB 92-04 PC **A07**/MF **A02**

EPA/600/R-92/091
Statistical Approach to Predicting Chronic Toxicity of Chemicals to Fishes from Acute Toxicity Test Data. Data Tape Documentation.
(EPA/SW/DK-92/047A)
PB92-169655/REB 92-04 PC **A06**/MF **A02**

Statistical Approach to Predicting Chronic Toxicity of Chemicals to Fishes *from Acute Toxicity Test Data (for* Microcomputers).
(EPA/SW/DK-92/047)
PB92-503119/REB 92-04 CP **D02**

ENVIRONMENTAL RESEARCH LAB.-NARRAGANSETT, NEWPORT, OR.

EPA/600/J-91/274
Genotoxic Effects of Complex Marine Sediment Extracts on V79 Chinese Hamster Lung Fibroblasts.
PB92-121318/REB 92-01 PC **A02**/MF **A01**

ENVIRONMENTAL RESEARCH LAB.-NARRAGANSETT, NEWPORT, OR. MARK O. HATFIELD MARINE SCIENCE CENTER.

EPA/600/J-90/546
Determination and Occurrence of AHH-Active Polychlorinated Biphenyls, 2,3,7,8-Tetrachloro-p-Dioxin and 2,3,7,8-Tetrachlorodibenzofuran in Lake Michigan *Sediment and* Biota. The Question of Their Relative Toxicological Significance.
PB92-108125/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-91/231
Nutritional Value of 'Artemia' and 'Tigriopus californicus' (Baker) for Two Pacific Mysid Species, 'Metamysidopsis elongata' *(Holmes) and 'Mysidopsis intii' (Holmquist).*
PB92-108000/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-91/299
Evaluation of Selected Lipid Methods for Normalizing Pollutant Bioaccumulation.
PB92-124379/REB 92-01 PC **A02**/MF **A01**

ERLN-N095
Determination and Occurrence of AHH-Active Polychlorinated Biphenyls, 2,3,7,8-Tetrachloro-p-Dioxin and 2,3,7,8-Tetrachlorodibenzofuran in Lake Michigan Sediment and Biota. The Question of Their Relative Toxicological Significance.
PB92-108125/REB 92-01 PC **A03**/MF **A01**

ERLN-NX20
Nutritional Value of 'Artemia' and 'Tigriopus californicus' (Baker) for Two Pacific Mysid Species, 'Metamysidopsis elongata' (Holmes) and 'Mysidopsis intii' (Holmquist).
PB92-108000/REB 92-01 PC **A03**/MF **A01**

ERLN-1186
Evaluation of Selected Lipid Methods for Normalizing Pollutant Bioaccumulation.
PB92-124379/REB 92-01 PC **A02**/MF **A01**

ENVIRONMENTAL RESEARCH LAB., NARRAGANSETT, RI.

EPA/600/3-91/069
Computerized Risk and Bioaccumulation System (Version 1.0).
PB92-114164/REB 92-01 PC **A03**/MF **A01**

EPA/600/D-91/232
Uncertainties in Nitrogen Mass Loadings in Coastal Watersheds.
PB92-108075/REB 92-01 PC **A03**/MF **A01**

EPA/600/D-91/233
Watershed Nitrogen Management: Upper Potomac River Basin Case Study.
PB92-108083/REB 92-01 PC **A03**/MF **A01**

EPA/600/D-91/234
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PB92-108091/REB 92-01 PC **A03**/MF **A01**

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EPA/600/J-91/275
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PB92-121326/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-91/291
Acid-Volatile Sulfide as a Factor Mediating Cadmium and Nickel Bioavailability in Contaminated Sediments.
PB92-124296/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-91/292
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PB92-124304/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-91/327
Technical Basis for Establishing Sediment Quality Criteria for Nonionic Organic Chemicals Using Equilibrium Partitioning. Annual Review.
PB92-129642/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-91/330
Relationships of Hg(II) Volatilization from a Freshwater Pond to the Abundance of 'mer' Genes in the Gene Pool of the Indigenous Microbial Community.
PB92-129675/REB 92-01 PC **A03**/MF **A01**

ERLN-N196
Computerized Risk and Bioaccumulation System (Version 1.0).
PB92-114164/REB 92-01 PC **A03**/MF **A01**

ERLN-784A
Influence of Size on Fate and Ecological Effects of Kepone in Physical Models.
PB92-121326/REB 92-01 PC **A03**/MF **A01**

ERLN-916
Life History and Toxicological Comparisons of Temperate and Subtropical Mysids.
PB92-124304/REB 92-01 PC **A03**/MF **A01**

ERLN-1126
Technical Basis for Establishing Sediment Quality Criteria for Nonionic Organic Chemicals Using Equilibrium Partitioning. Annual Review.
PB92-129642/REB 92-01 PC **A03**/MF **A01**

ERLN-1190
Influence of Constant and Fluctuating Salinity on Responses of 'Mysidopsis bahia' Exposed to Cadmium in a Life-Cycle Test.
PB92-108042/REB 92-01 PC **A03**/MF **A01**

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Acid-Volatile Sulfide as a Factor Mediating Cadmium and Nickel Bioavailability in Contaminated Sediments.
PB92-124296/REB 92-01 PC **A03**/MF **A01**

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Watershed Nitrogen Management: Upper Potomac River Basin Case Study.
PB92-108083/REB 92-01 PC **A03**/MF **A01**

ERLN-1262
Toxicity of Chlorine and Ammonia to Aquatic Life: Chemistry, Water Quality Criteria, Recent Research, and Recommended Future Research.
PB92-108091/REB 92-01 PC **A03**/MF **A01**

ERLN-1344
Uncertainties in Nitrogen Mass Loadings in Coastal Watersheds.
PB92-108075/REB 92-01 PC **A03**/MF **A01**

ERLN-1347
U.S. Environmental Protection Agency's Environmental Monitoring and Assessment Program: An Ecological Status and Trends Program.
PB92-121292/REB 92-01 PC **A02**/MF **A01**

ERLN-1349
EPA's Environmental Monitoring and Assessment Program: An Ecological Status and Trends Program.
PB92-121169/REB 92-01 PC **A03**/MF **A01**

ERNL-1099
Dechlorinations of Polychlorinated Biphenyls in Sediments of New Bedford Harbor.
PB92-121151/REB 92-01 PC **A03**/MF **A01**

ENVIRONMENTAL SCIENCE AND ENGINEERING, INC., GAINESVILLE, FL.

Quality Assurance Project Plan for the National Pesticide Survey of Drinking Water Wells: Analytical Method 5 - Methyl Carbamates.
(EPA/810/B-92/005)
PB92-168541/REB 92-04 PC **A06**/MF **A02**

Quality Assurance Project Plan for the National Pesticide Survey of Drinking Water Wells: Analytical Method 7 - Fumigants.
(EPA/810/B-92/007)
PB92-168566/REB 92-04 PC **A06**/MF **A02**

EQUITY ASSOCIATES, INC., KNOXVILLE, TN.

Vitrification Technologies for Treatment of Hazardous and Radioactive Waste.
(EPA/625/R-92/002)
PB92-201110/REB 92-04 PC **A05**/MF **A01**

FEDERAL COACH, FORT SMITH, AR.

Application for Certification 1992 Model Year Light-Duty Vehicles - Federal Coach.
(EPA/460/A-92/5)
PB92-122266/REB 92-01 PC **A07**/MF **A02**

FIAT RESEARCH AND DEVELOPMENT, DEARBORN, MI. U.S.A. BRANCH.

Application for Certification 1991 Model Year Light-Duty Vehicles - Ferran - Fiat.
(EPA/460/A-91/3)
PB91-242669/REB 92-01 PC **A07**/MF **A02**

Application for Certification 1992 Model Year Light-Duty Vehicles - Fiat.
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PB92-122274/REB 92-01 PC **A99**/MF **E04**

Application for Certification 1992 Model Year Light-Duty Vehicles - Fiat Ferrari.
(EPA/460/A-92/7)
PB92-122282/REB 92-01 PC **A99**/MF **A06**

Application for Certification 1991 Model Year Light-Duty Vehicles - Fiat.
(EPA/460/A-91/18)
PB92-128024/REB 92-01 PC **A13**/MF **A03**

Application for Certification 1993 Model Year Light-Duty Vehicles - Fiat Auto R and D U.S.A.
(EPA/460/A-92/37)
PB92-182815/REB 92-04 PC **A14**/MF **A03**

FLEMING GROUP, EAST SYRACUSE, NY.

Radon Reduction and Radon-Resistant Construction Demonstrations in New York State.
(NYSERDA-91-11)
PB92-174051/REB 92-01 PC **A20**/MF **A04**

FLORIDA SOLAR ENERGY CENTER, CAPE CANAVERAL.

Recommended HVAC Standard of the Florida Radon Research Program.
(EPA/600/R-92/010)
PB92-147909/REB 92-01 PC **A03**/MF **A01**

Radon Pressure Differential Project, Phase 1, Florida Radon Research Program.
(EPA/600/R-92/008)
PB92-148519/REB 92-01 PC **A04**/MF **A01**

FLORIDA UNIV., GAINESVILLE. CENTER FOR WETLANDS.

Evaluating Created Wetlands through Comparisons with Natural Wetlands.
(EPA/600/3-91/058)
PB92-111566/REB 92-01 PC **A03**/MF **A01**

FLORIDA UNIV., GAINESVILLE. DEPT. OF NUCLEAR ENGINEERING SCIENCES.

Recommended Sub-Slab Depressurization Systems Design Standard of the Florida Radon Research Program.
(EPA/600/8-91/208)
PB92-105626/REB 92-01 PC **A03**/MF **A01**

FORD MOTOR CO., DEARBORN, MI.

Application for Certification 1991 Model Year Light-Duty Vehicles - Ford.
(EPA/460/A-91/4)
PB91-242677/REB 92-01 PC **A99**/MF **E19**

Application for Certification 1991 Model Year Light-Duty Trucks - Ford.
(EPA/460/A-91/5)
PB91-242685/REB 92-01 PC **A99**/MF **E11**

Application for Certification 1992 Model Year Light-Duty Trucks - Ford.
(EPA/460/A-92/8)
PB92-122290/REB 92-01 PC **A99**/MF **E11**

Application for Certification 1992 Model Year Light-Duty Vehicles - Ford.
(EPA/460/A-92/9)
PB92-122308/REB 92-01 PC **A99**/MF **E16**

Application for Certification 1992 Model Year Heavy-Duty Engines - Ford.
(EPA/460/A-92/29)
PB92-122514/REB 92-01 PC **A99**/MF **E08**

FOSTER WHEELER ENVIRESPONSE, INC., EDISON, NJ.

Selection of Control Technologies for Remediation of Lead Battery Recycling Sites.
(EPA/540/2-91/014)
PB92-114537/REB 92-01 PC **A08**/MF **A02**

Control Technologies for Defunct lead Battery Recycling Sites: Overview and Recent Developments. Volume 3.
(EPA/600/A-92/019)
PB92-150416/REB 92-01 PC **A03**/MF **A01**

Study to Determine the Feasibility of Using a Ground-Penetrating Radar for More Effective Remediation of Subsurface Contamination.
(EPA/600/R-92/089)
PB92-169382/REB 92-04 PC **A06**/MF **A02**

Potential Reuse of Petroleum-Contaminated Soil: A Directory of Permitted Recycling Facilities.
(EPA/600/R-92/096)
PB92-173780/REB 92-04 PC **A03**/MF **A01**

Closure of a Dioxin Incineration Facility.
(EPA/600/J-92/204)
PB92-191170/REB 92-01 PC **A03**/MF **A01**

Control Technologies for Remediation of Contaminated Soil and Waste Deposits at Superfund Lead Battery Recycling Sites.
(EPA/600/J-92/296)
PB92-227388/REB 92-04 PC **A03**/MF **A01**

Contaminants and Remedial Options at Wood Preserving Sites.
(EPA/600/R-92/182)
PB92-232222/REB 92-04 PC **A07**/MF **A02**

FOSTER WHEELER ENVIRESPONSE, INC., LIVINGSTON, NJ.

Field Demonstration of the Linde Oxygen Combustion System on the EPA Mobile Incinerator.
(EPA/600/J-92/176)
PB92-188838/REB 92-01 PC **A02**/MF **A01**

FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V., GARMISCH-PARTENKIRCHEN (GERMANY, F.R.). INST. FUER ATMOSPHAERISCHE UMWELTFORSCHUNG.

Evaluation of RADM Predictions for a Mesoscale-beta Box Volume over Northeastern Pennsylvania.
(EPA/600/A-92/055)
PB92-158492/REB 92-01 PC **A02**/MF **A01**

FUJI HEAVY INDUSTRIES LTD., TOKYO (JAPAN). SUBARU ENGINEERING DIV.

Application for Certification 1991 Model Year Light-Duty Vehicles - Fuji.
(EPA/460/A-91/6)
PB91-242693/REB 92-01 PC **A99**/MF **A06**

GCA CORP., BEDFORD, MA.

Capsule Report: Particulate Control by Fabric Filtration on Coal-Fired Industrial Boilers.
(EPA/625/2-79/021)
PB92-179894/REB 92-01 PC **A03**/MF **A01**

GENERAL MOTORS PROVING GROUND, MILFORD, MI.

Application for Certification 1991 Model Year Light-Duty Vehicles - General Motors.
(EPA/460/A-91/7)
PB91-242701/REB 92-01 PC **A99**/MF **E99**

Application for Certification 1992 Model Year Light-Duty Vehicles - General Motors.
(EPA/460/A-92/10)
PB92-122316/REB 92-01 PC **A99**/MF **E99**

GENERAL SCIENCES CORP., LAUREL, MD.

Time Spent in Activities, Locations, and Microenvironments: A California-National Comparison.
(EPA/600/4-91/006)
PB92-140789/REB 92-01 PC **A05**/MF **A01**

GEOLOGICAL SURVEY, HARTFORD, CT. WATER RESOURCES DIV.

USGS/WRI-91-4014
Concentration and Transport of Polychlorinated Biphenyls in the Housatonic River between Great Barrington, Massachusetts, and Kent, Connecticut, 1984-88.
PB92-147719/REB 92-01 PC **A03**/MF **A01**

GEOLOGICAL SURVEY, MARLBOROUGH, MA.
Techniques to Determine Spatial Variations in Hydraulic Conductivity of Sand and Gravel.
(EPA/600/2-91/006)
PB92-109123/REB 92-01 PC **A03**/MF **A01**

GEOLOGICAL SURVEY, MENLO PARK, CA. WATER RESOURCES DIV.
USGS/WRI-91-4034
Effect of the Geochemical Environment on Heavy-Metal Transport in Ground Water.
(EPA/600/A-92/088)
PB92-179134/REB 92-01 PC **A03**/MF **A01**

Spatial Variability of Geochemical and Hydrologic Properties of Subsurface Materials in a Sand and Gravel Aquifer, Cape Cod, Massachusetts.
(EPA/600/A-92/087)
PB92-179126/REB 92-01 PC **A02**/MF **A01**

GEORGIA UNIV., ATHENS. DEPT. OF TEXTILES, MERCHANDISING AND INTERIORS.
Fate of Commercial Disperse Dyes in Sediments.
(EPA/600/J-91/219)
PB92-101401/REB 92-01 PC **A03**/MF **A01**

Predicting the Precipitation of Acid and Direct Dyes in Natural Waters.
(EPA/600/J-92/245)
PB92-206200/REB 92-04 PC **A03**/MF **A01**

GESELLSCHAFT FUER STRAHLEN- UND UMWELTFORSCHUNG M.B.H. MUENCHEN, NEUHERBERG (GERMANY, F.R.).
Modellierung und Simulation des Verhaltens von Umweltchemikalien in Boeden und Pflanzen (Modeling and Simulation of the Effect of (Environmental) Chemicals in Soil and in Plants).
(EPA/600/A-92/015)
PB92-143825/REB 92-01 PC **A02**/MF **A01**

GOVERNMENT FINANCE OFFICERS ASSOCIATION, WASHINGTON, DC. GOVERNMENT FINANCE RESEARCH CENTER.
Paying for Safe Water: Alternative Financing Mechanisms for State Drinking Water Programs.
(EPA/570/9-90/014)
PB92-117993/REB 92-01 PC **A04**/MF **A01**

GREATER EGYPT REGIONAL PLANNING AND DEVELOPMENT COMMISSION, CARBONDALE, IL.
Volunteer Lake Monitoring Program, 1991. Volume 7. Southern Region.
(IEPA/WPC-92-110G)
PB92-231125/REB 92-04 PC **A05**/MF **A01**

GRUMMAN OLSON, INC., STURGIS, MI.
Application for Certification 1992 Model Year Light-Duty Vehicles - Grumman Olson.
(EPA/460/A-92/11)
PB92-122324/REB 92-01 PC **A08**/MF **A02**

Application for Certification 1993 Model Year Light-Duty Trucks - Grumman Olson.
(EPA/460/A-92/38)
PB92-182823/REB 92-04 PC **A07**/MF **A02**

HAMPSHIRE RESEARCH ASSOCIATES, ALEXANDRIA, VA.
Toxics in the Community: National and Local Perspectives. The 1989 Toxics Release Inventory National Report.
(EPA/560/4-91/014)
PB92-224278/REB 92-04 PC **A24**/MF **A04**

HAZLETON LABS. AMERICA, INC., ROCKVILLE, MD.
Subacute and Subchronic Oral Toxicity of 1,3-Dichloropropane in the Rat.
(EPA/600/J-92/121)
PB92-164912/REB 92-01 PC **A03**/MF **A01**

HDR ENGINEERING, INC., IRVINE, CA.
Standardized Costs for Water Supply Distribution Systems.
(EPA/600/R-92/009, EPA/SW/DK-92/028A)
PB92-141290/REB 92-01 PC **A15**/MF **A03**

HEALTH AND WELFARE CANADA, OTTAWA (ONTARIO). HEALTH PROTECTION BRANCH.
Effects of PCB (Aroclor (Trade Name) 1254) on Non-Specific Immune Parameters in Rhesus ('Macaca mulatta') Monkeys.
(EPA/600/J-92/324)
PB92-232867/REB 92-04 PC **A03**/MF **A01**

HEALTH EFFECTS RESEARCH LAB., CINCINNATI, OH. GENETIC TOXICOLOGY DIV.
EPA/600/J-92/317
Quantitative Image Cytometry of Hepatocytes Expressing Gamma-Glutamyl Transpeptidase and Glutathione S-Transferase in Diethylnitrosamine-Initiated Rats Treated with Phenobarbitol and/or Phthalate Esters.
PB92-227586/REB 92-04 PC **A03**/MF **A01**

HEALTH EFFECTS RESEARCH LAB., RESEARCH TRIANGLE PARK, NC.
EPA/600/9-91/016A
Research Strategy for Electric and Magnetic Fields: Research Needs and Priorities.
PB92-170174/REB 92-01 PC **A04**/MF **A01**

EPA/600/A-92/028
Vertebrate Toxicology of the Solubilized Parasporal Crystalline Proteins of 'Bacillus thuringiensis' Subsp. 'israelensis'.
PB92-150507/REB 92-01 PC **A03**/MF **A01**

EPA/600/A-92/073
Neurobehavioral Toxicology. Chapter 2
PB92-166347/REB 92-01 PC **A03**/MF **A01**

EPA/600/A-92/082
Measuring Sexual Behavior in the Female Rat.
PB92-179076/REB 92-01 PC **A03**/MF **A01**

EPA/600/A-92/112
Health Research to Support Risk Assessment.
PB92-188788/REB 92-01 PC **A03**/MF **A01**

EPA/600/A-92/138
Rational Approaches to the Management of Bronchopulmonary Disease.
PB92-206473/REB 92-04 PC **A03**/MF **A01**

EPA/600/A-92/153
U.S. Environmental Protection Agency Health Effects Research on Drinking Water Contaminants.
PB92-206531/REB 92-04 PC **A02**/MF **A01**

EPA/600/A-92/167
Principles of Identifying and Characterizing Neurotoxicity.
PB92-209303/REB 92-04 PC **A02**/MF **A01**

EPA/600/A-92/181
Environmental Gases.
PB92-227313/REB 92-04 PC **A06**/MF **A02**

EPA/600/D-91/236
Evaluating the Human Health Effects of Hazardous Wastes: Reproduction and Development, Neurotoxicity, Genetic Toxicity and Cancer.
PB92-110352/REB 92-01 PC **A03**/MF **A01**

EPA/600/D-91/237
Health Effects of Arsenic in Drinking Water.
PB92-110360/REB 92-01 PC **A03**/MF **A01**

EPA/600/D-91/280
Feline Bronchopulmonary Disease.
PB92-126879/REB 92-01 PC **A03**/MF **A01**

EPA/600/D-91/282
Pseudopregnancy and the Decidual Cell Response (DCR) in the Rat.
PB92-126895/REB 92-01 PC **A03**/MF **A01**

EPA/600/D-91/283
Assessment of Implantation in the Rat.
PB92-126903/REB 92-01 PC **A03**/MF **A01**

EPA/600/D-91/284
In vitro Lymphocyte Proliferation Assays: The Mitogen-Stimulated Response and the Mixed Lymphocyte Reaction in Immunotoxicity Testing.
PB92-126911/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-89/551
Limitations of the Fluorescent Probe Viability Assay.
PB92-113166/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-90/547
Intercomparison of Sampling Techniques for Nicotine in Indoor Environments.
PB92-110402/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-90/550
Review of the Mutagenicity of Ethylene Oxide.
PB92-124569/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-91/243
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PB92-110469/REB 92-01 PC **A01**/MF **A01**

EPA/600/J-91/245
Improvement in the Diagnostic Potential of (32)P-Postlabeling Analysis Demonstrated by the Selective Formation and Comparative Analysis of Nitrated-PAH-Derived Adducts Arising from Diesel Particle Extracts.
PB92-110485/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-91/247
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PB92-110501/REB 92-01 PC **A02**/MF **A01**

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PB92-110519/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-91/261
Indoor Air Pollutants from Unvented Kerosene Heater Emissions in Mobile Homes: Studies on Particles, Semivolatile Organics, Carbon Monoxide, and Mutagenicity.
PB92-113232/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-91/262
Differential Impact of Hypothermia and Pentobarbital on Brain-Stem Auditory Evoked Responses.
PB92-113240/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-91/264
Assessing the Use of Known Mutagens to Calibrate the 'Salmonella typhimurium' Mutagenicity Assay. 1. Without Exogenous Activation.
PB92-113257/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-91/264
Developmental Toxicity of Bromoxynil in Mice and Rats.
PB92-113265/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-91/265
Assessing the Use of Known Mutagens to Calibrate the 'Salmonella typhimurium' Mutagenicity Assay. 2. With Exogenous Activation.
PB92-113273/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-91/266
Modulation of Human Alveolar Macrophage Properties by Ozone Exposure In vitro.
PB92-113281/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-91/271
Evaluating the Relationship of Metabolic Activation System Concentrations and Chemical Dose Concentrations for the Salmonella Spiral and Plate Assays.
PB92-113331/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-91/272
Toxicity Equivalency Factors for PCBs.
PB92-113349/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-91/303
Improved Sample Recovery in Thermocycle Sequencing Protocols.
PB92-124593/REB 92-01 PC **A01**/MF **A01**

EPA/600/J-91/310
Acute Effects of Diisopropyl Fluorophosphate (DFP) on Autonomic and Behavioral Thermoregulatory Responses in the Long-Evans Rat.
PB92-124668/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-91/313
Use of Bromoergocryptine in the Validation of Protocols for the Assessment of Mechanisms of Early Pregnancy Loss in the Rat.
PB92-124692/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-91/314
In vitro Teratology.
PB92-124700/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-91/325
Neural Factors in the Development of Renal Function: Effect of Neonatal Central Catecholaminergic Lesions with 6-Hydroxydopamine.
PB92-120492/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-92/015
Selection Kinetics during Serial Cell Culture Passage of Mixtures of Wild-Type 'Autographa californica' Nuclear Polyhedrosis Virus and Its Recombinant Ac360-Beta-gal.
PB92-143874/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-92/054
Overview, Conclusions, and Recommendations of the IPCS Collaborative Study on Complex Mixtures.
PB92-150689/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/057
Sources of Variation in the Mutagenic Potency of Complex Chemical Mixtures Based on the Salmonella/Microsome Assay.
PB92-150713/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/058
Results of the IPCS Collaborative Study on Complex Mixtures.
PB92-150721/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/067
Host Resistance to Murine Malaria in Mice Exposed to the Adenosine Deaminase Inhibitor, 2'-Deoxycoformycin.
PB92-150812/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/075
Effect of Pentachlorophenol on the Activation of 2,6-Dinitrotoluene to Genotoxic Urinary Metabolites in CD-1 Mice: A Comparison of GI Enzyme Activities and Urine Mutagenicity.
PB92-150895/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/106
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PB92-158625/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-92/108
Comparisons of the Effects of TCDD and Hydrocortisone on Growth Factor Expression Provide Insight into Their Interaction in the Embryonic Mouse Palate.
PB92-158641/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/109
Relationship between Cholinesterase Inhibition and Thermoregulation Following Exposure to Diisopropyl Fluorophosphate in the Rat.
PB92-158658/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-92/111
Interspecies Sensitivity to Chemical Carcinogens: Relationships between Mouse Skin Tumors and Human Lung Cancer.
PB92-158674/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/117
Carcinogens and Human Health: Part 3. Letter to the Editor.
PB92-164870/REB 92-01 PC **A01**/MF **A01**

EPA/600/J-92/118
Exposure of Humans to a Volatile Organic Mixture. 2. Sensory.
PB92-164888/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/120
DNA Strand Breaks Induced in Cultured Human and Rodent Cells by Chlorohydroxyfuranones, Mutagens Isolated from Drinking Water.
PB92-164904/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/123
Induction of Gastrointestinal Tract Nuclear Anomalies in B6C3F1 Mice by 3-Chloro-4-(Dichloromethyl)-5-Hydroxy-2(5H)-Furanone and 3,4-(Dichloro)-5-Hydroxy-2(5H)-Furanone, Mutagenic Byproducts of Chlorine Disinfection.
PB92-164938/REB 92-01 PC **A02**/MF **A01**

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PB92-150747/REB 92-01 PC **A03**/MF **A01**

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EPA/600/J-92/072
Myelin Basic Protein-Messenger RNA (MBP-mRNA) Expression during Triethyltin-Induced Myelin Edema.
PB92-150861/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/073
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EPA/600/A-92/155
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PB92-206556/REB 92-04 PC **A03**/MF **A01**

EPA/600/D-91/275
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PB92-124551/REB 92-01 PC **A03**/MF **A01**

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PB92-124577/REB 92-01 PC **A01**/MF **A01**

EPA/600/J-92/055
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PB92-150697/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-92/119
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PB92-164896/REB 92-01 PC **A03**/MF **A01**

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PB92-195866/REB 92-01 PC **A03**/MF **A01**

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EPA/600/J-92/282
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PB92-217231/REB 92-04 PC **A02**/MF **A01**

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PB92-166339/REB 92-01 PC **A03**/MF **A01**

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EPA/600/A-92/166
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EPA/600/A-92/180
Mapping Toxicant-Induced Nervous System Damage with a Cupric Silver Stain: A Quantitative Analysis of Neural Degeneration Induced by 3,4-Methylenedioxymethamphetamine (MDMA) (Revised).
PB92-217389/REB 92-04 PC **A03**/MF **A01**

EPA/600/A-92/193
Role of Motor Activity in the Asssessment of Neurotoxicity.
PB92-232818/REB 92-04 PC **A03**/MF **A01**

EPA/600/J-91/020
5,7-Dihydroxytryptamine Injections Increase Glial Fibrillary Acidic Protein in the Hypothalamus of Adult Rats.
PB92-143924/REB 92-01 PC **A01**/MF **A01**

EPA/600/J-91/249
Assessment of Neurotoxicity: Use of Glial Fibrillary Acidic Protein as a Biomarker.
PB92-110527/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-91/250
Concentration of Glial Fibrillary Acidic Protein Increases with Age in the Mouse and Rat Brain.
PB92-110535/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-91/270
Enhanced Neurotoxicity of 3,3'-Iminodipropionitrile Following Pretreatment with Carbon Tetrachloride in the Rat.
PB92-113323/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-91/305
Dynamics of Behavioral Thermoregulation in the Rat.
PB92-124619/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-91/315
Neonatal Exposure to Trimethyltin Disrupts Spatial Delayed Alternation Learning in Preweanling Rats.
PB92-124718/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-91/316
Neonatal Exposure to Triethyltin Disrupts Olfactory Discrimination Learning in Preweanling Rats.
PB92-124726/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/016
Discriminative Stimulus Properties of Triadimefon: Comparison with Methylphenidate.
PB92-143882/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-92/017
Auditory Deficits and Motor Dysfunction Following Iminodipropionitrile Administration in the Rat.
PB92-143890/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-92/019
Interlaboratory Comparison of Motor Activity Experiments: Implications for Neurotoxicological Assessments.
PB92-143916/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/021
Effects of Triadimefon on a Multiple Schedule of Fixed-Interval Performance: Comparison with Methylphenidate, d-Amphetamine and Chlorpromazine.
PB92-143932/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-92/023
Gene Probe for PO Messenger RNA Used to Index Acrylamide Toxic Neuropathy in Rats.
PB92-143957/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/249
Study Design Considerations in Developmental Neurotoxicology.
PB92-206291/REB 92-04 PC **A02**/MF **A01**

EPA/600/J-92/250
2,4,5-Trichlorophenoxyacetic Acid Influence on 2,6-Dinitrotoluene-Induced Urine Genotoxicity in Fisher 344 Rats: Effect on Gastrointestinal Microflora and Enzyme Activity.
PB92-206309/REB 92-04 PC **A02**/MF **A01**

EPA/600/J-92/252
Quantification of Glial Fibrillary Acidic Protein: Comparison of Slot-Immunobinding Assays with a Novel Sandwich ELISA.
PB92-206325/REB 92-04 PC **A02**/MF **A01**

EPA/600/J-92/254
Considerations in the U.S. Environmental Protection Agency's Testing Approach for Mutagencity.
PB92-206341/REB 92-04 PC **A03**/MF **A01**

EPA/600/J-92/260
In vitro Screening Batteries for Neurotoxicants (Journal Article).
PB92-206408/REB 92-04 PC **A03**/MF **A01**

HEALTH EFFECTS RESEARCH LAB., RESEARCH TRIANGLE PARK, NC. REPRODUCTIVE TOXICOLOGY BRANCH.

EPA/600/A-92/029
Assessment of Toxicant-Induced Alterations in the Luteinizing Hormone Control of Ovulation in the Rat.
PB92-150515/REB 92-01 PC **A03**/MF **A01**

EPA/600/A-92/059
Use of Perifusion to Evaluate Hormonal Release In vitro from Rat Pituitary and Hypothalamic Tissue.
PB92-158534/REB 92-01 PC **A03**/MF **A01**

EPA/600/A-92/064
Compound-Induced Alterations of Sexual Differentiation: A Review of Effects in Humans and Rodents.
PB92-158583/REB 92-01 PC **A03**/MF **A01**

EPA/600/A-92/083
Collection of Interstitial Fluid and Seminiferous Tubule Fluid from the Rat Testis.
PB92-179084/REB 92-01 PC **A03**/MF **A01**

HINO MOTORS LTD., TOKYO (JAPAN).

Application for Certification 1992 Model Year Heavy-Duty Diesel Engines - Hino Motors Inc.
(EPA/460/A-91/30)
PB92-122522/REB 92-01 PC **A06**/MF **A02**

Application for Certification 1992 Model Year Heavy-Duty Diesel Vehicles - Hino Motors, Ltd.
(EPA/460/A-92/50)
PB92-182955/REB 92-04 PC **A07**/MF **A02**

HOUSTON UNIV., TX. DEPT. OF CIVIL AND ENVIRONMENTAL ENGINEERING.

Radium Removal from Water by Manganese Dioxide Adsorption and Diatomaceous Earth Filtration.
(EPA/600/2-91/063)
PB92-115260/REB 92-01 PC **A05**/MF **A01**

Removing Radium from Water by Plain and Treated Activated Alumina.
(EPA/600/R-92/048)
PB92-164789/REB 92-01 PC **A05**/MF **A01**

HYDROCHEMICAL INST., ROSTOV-NA-DONU (USSR).

Analysis of Long-Term and Seasonal River Water Quality Changes in Latvia.
(EPA/600/J-92/331)
PB92-232933/REB 92-04 PC **A03**/MF **A01**

HYDROQUAL, INC., MAHWAH, NJ.

EPA/440/4-87/002
Technical Guidance Manual for Performing Waste Load Allocations. Book 4. Lakes, Reservoirs and Impoundments. Chapter 3: Toxic Substances Impact.
PB92-231760/REB 92-04 PC **A14**/MF **A03**

HYUNDAI AMERICA TECHNICAL CENTER, INC., ANN ARBOR, MI.

Application for Certification 1992 Model Year Light-Duty Vehicles - Hyundai.
(EPA/460/A-92/13)
PB92-122340/REB 92-01 PC **A12**/MF **A03**

ICF, INC., FAIRFAX, VA.

National Radon Contractor Proficiency (RCP) Program. Proficiency Report, January 1992.
(EPA/520/1-92/001)
PB92-120914/REB 92-01 PC **A10**/MF **A03**

Quality Assurance Project Plan for the National Pesticide Survey of Drinking Water Wells: Hydrogeologic Characterization and Second-Stage Stratification Activities.
(EPA/810/B-92/013)
PB92-168624/REB 92-04 PC **A08**/MF **A02**

Quality Assurance Project Plan for the National Survey of Pesticides in Drinking Water Wells: Well Sampling, Data Collection and Processing.
(EPA/810/B-92/014)
PB92-168632/REB 92-04 PC **A07**/MF **A02**

Quality Assurance Project Plan for the National Pesticide Survey of Drinking Water Wells: Survey Statistics, Data Collection and Processing.
(EPA/810/B-92/015)
PB92-168640/REB 92-04 PC **A04**/MF **A01**

National Radon Contractor Proficiency (RCP) Program. Proficiency Report, July 1992.
(EPA/402/R-92/006)
PB92-206150/REB 92-04 PC **A12**/MF **A03**

ICF TECHNOLOGY, INC., FAIRFAX, VA.

Citizens' Guidance Manual for the Technical Assistance Grant Program.
(EPA/540/G-88/001, OSWER-DIRECTIVE-9230.1-03)
PB92-101435/REB 92-01 PC **A14**/MF **A03**

IDAHO UNIV., MOSCOW. DEPT. OF BACTERIOLOGY AND BIOCHEMISTRY.

Cloning and Expression of a Lignin Peroxidase Gene from 'Streptomyces viridosporus' in 'Streptomyces lividans'.
(EPA/600/J-92/173)
PB92-180389/REB 92-01 PC **A03**/MF **A01**

ILLINOIS STATE ENVIRONMENTAL PROTECTION AGENCY, SPRINGFIELD. DIV. OF AIR POLLUTION CONTROL.

IEPA/LPC-91/59
Available Disposal Capacity for Solid Waste in Illinois.
PB92-139815/REB 92-01 PC **A06**/MF **A02**

ILLINOIS STATE ENVIRONMENTAL PROTECTION AGENCY, SPRINGFIELD. DIV. OF WATER POLLUTION CONTROL.

IEPA/WPC/91-212
Illinois Lake Management Program Act Administrative Framework Plan.
PB92-206879/REB 92-04 PC **A07**/MF **A02**

IEPA/WPC/92-110A
Volunteer Lake Monitoring Program, 1991. Volume 1: Statewide Summary Report.
PB92-222512/REB 92-04 PC **A06**/MF **A02**

IEPA/WPC-92-110D
Volunteer Lake Monitoring Program, 1991. Volume 4: West-Central Illinois Region.
PB92-239482/REB 92-04 PC **A04**/MF **A01**

IEPA/WPC/92-255
Illinois Water Quality Report, 1990-1991.
PB92-223023/REB 92-04 PC **A19**/MF **A04**

ILLINOIS STATE GEOLOGICAL SURVEY DIV., CHAMPAIGN.

IL/SGS/ENG-141
Construction, Monitoring, and Performance of Two Soil Liners.
PB92-124049/REB 92-01 PC **A07**/MF **A02**

Technical Resource Document: Batch-Type Procedures for Estimating Soil Adsorption of Chemicals.
(EPA/530/SW-87/006F)
PB92-188515/REB 92-01 PC **A06**/MF **A02**

ILLINOIS UNIV. AT CHICAGO.

Comparison of SIMCA Pattern Recognition and Library Search Identification of Hazardous Compounds from Mass Spectra.
(EPA/600/J-92/294)
PB92-227362/REB 92-04 PC **A03**/MF **A01**

ILLINOIS UNIV. AT URBANA-CHAMPAIGN. DEPT. OF FORESTRY.

Forest Soil Response to Acid and Salt Additions of Sulfate. 1. Sulfur Constituents and Net Retention.
(EPA/600/J-91/229)
PB92-108182/REB 92-01 PC **A03**/MF **A01**

Forest Soil Response to Acid and Salt Additions of Sulfate: 2. Aluminum and Base Cations.
(EPA/600/J-92/039)
PB92-150549/REB 92-01 PC **A03**/MF **A01**

ILLINOIS UNIV. AT URBANA-CHAMPAIGN. DEPT. OF VETERINARY BIOSCIENCES.

EPA/600/J-92-065
Fungicide Benomyl(Methyl 1-(Butylcarbamoyl)-2-Benzimidazolecarbamate) Causes Testicular Dysfunction by Inducing the Sloughing of Germ Cells and Occlusion of Efferent Ductules.
PB92-150796/REB 92-01 PC **A03**/MF **A01**

INDIANA UNIV. AT BLOOMINGTON.

Comparative Analysis of Dioxins and Furans in Ambient Air by High Resolution and Electron Capture Mass Spectrometry.
(EPA/600/J-92/264)
PB92-206440/REB 92-04 PC **A02**/MF **A01**

INDIANA UNIV.-PURDUE UNIV. AT FORT WAYNE. DEPT. OF BIOLOGICAL SCIENCES.

Carcinogen-DNA Adducts in Cultures of Rat and Human Hepatocytes.
(EPA/600/J-92/201)
PB92-189075/REB 92-01 PC **A02**/MF **A01**

INDUSTRIAL ECONOMICS, INC., CAMBRIDGE, MA.

BEN: A Model to Calculate the Economic Benefit of Noncompliance. User's Manual.
PB92-230358/REB 92-04 PC **A08**/MF **A02**

ABEL. User's Manual.
(EPA-21E-2005)
PB92-230366/REB 92-04 PC **A08**/MF **A02**

INFORM, INC., NEW YORK.

European Packaging Initiatives: Leading the Way on Source Reduction.
(EPA/600/J-92/241)
PB92-206242/REB 92-04 PC **A02**/MF **A01**

INSTITUT RUDJER BOSKOVIC, ZAGREB (YUGOSLAVIA). CENTER FOR MARINE RESEARCH.

Potential of Carp to Bioactivate Benzo(a)pyrene to Metabolites That Bind to DNA.
(EPA/600/J-92/197)
PB92-189034/REB 92-01 PC **A02**/MF **A01**

INTERNATIONAL FUEL CELLS CORP., SOUTH WINDSOR, CT.

FCR-11900A
Demonstration of Fuel Cells to Recover Energy from Landfill Gas. Phase 1 Final Report: Conceptual Study.
(EPA/600/R-92/007)
PB92-137520/REB 92-01 PC **A05**/MF **A01**

Fuel Cell Energy Recovery from Landfill Gas.
(EPA/600/D-91/257)
PB92-121235/REB 92-01 PC **A03**/MF **A01**

Fuel Cell Energy Recovery from Landfill Gas.
(EPA/600/J-92/046)
PB92-150614/REB 92-01 PC **A03**/MF **A01**

INTERNATIONAL TECHNOLOGY CORP., DURHAM, NC.

Air Superfund National Technical Guidance Study Series. Screening Procedures for Estimating the Air Impacts of Incineration at Superfund Sites.
(EPA/450/1-92/003)
PB92-171917/REB 92-01 PC **A04**/MF **A01**

INTERNATIONAL TECHNOLOGY CORP., KNOXVILLE, TN.

Removal of Creosote from Soil by Thermal Desorption.
(EPA/600/D-91/276)
PB92-126838/REB 92-01 PC **A02**/MF **A01**

IOWA STATE UNIV., AMES. ENGINEERING RESEARCH INST.

Review of Energy Efficiency of Refrigerator/Freezer Gaskets.
(EPA/600/2-91/060)
PB92-106913/REB 92-01 PC **A03**/MF **A01**

IOWA UNIV., IOWA CITY. DEPT. OF CIVIL AND ENVIRONMENTAL ENGINEERING.
Kinetics of Chemical Weathering: A Comparison of Laboratory and Field Weathering Rates (Chapter 17).
(EPA/600/A-92/018)
PB92-143858/REB 92-01 PC **A03**/MF **A01**

IOWA UNIV., IOWA CITY. DEPT. OF GEOGRAPHY.
Information Integration for Environmental Monitoring and Assessment: An Annotated Bibliography.
PB92-227461/REB 92-04 PC **A03**/MF **A01**

ISUZU TECHNICAL CENTER OF AMERICA, NOVI, MI.
Application for Certification 1991 Model Year Light-Duty Trucks - Isuzu Motors.
(EPA/460/A-91/8)
PB91-242719/REB 92-01 PC **A19**/MF **A04**

Application for Certification 1991 Model Year Light-Duty Vehicles - Isuzu Motors.
(EPA/460/A-91/9)
PB91-242727/REB 92-01 PC **A13**/MF **A03**

Application for Certification 1992 Model Year Light-Duty Vehicles - Isuzu.
(EPA/460/A-92/14)
PB92-122357/REB 92-01 PC **A24**/MF **A04**

Application for Certification 1992 Model Year Light-Duty Trucks - Isuzu.
(EPA/460/A-92/15)
PB92-122365/REB 92-01 PC **A13**/MF **A03**

Application for Certification 1991 Model Year Heavy-Duty Diesel Engines - Isuzu Motors.
(EPA/460/A-91/28)
PB92-128123/REB 92-01 PC **A10**/MF **A03**

IT CORP., CINCINNATI, OH.
Technology Evaluation Report: Site Program Demonstration of a Trial Excavation at the McColl Superfund Site.
(EPA/540/R-92/015)
PB92-226448/REB 92-04 PC **A10**/MF **A03**

IT CORP., SHARONVILLE, OH.
Guide for Conducting Treatability Studies under CERCLA: Chemical Dehalogenation.
(EPA/540/R-92/013A)
PB92-169044/REB 92-04 PC **A05**/MF **A01**

Chemical Dehalogenation Treatability Studies under CERCLA: An Overview.
(EPA/540/R-92/013B)
PB92-169275/REB 92-04 PC **A02**/MF **A01**

Chemical Dehalogenation Treatability Studies under CERCLA: An Overview.
(EPA/540/R-92/013B)
PB92-231299/REB 92-04 PC **A02**/MF **A01**

Guide for Conducting Treatability Studies under CERCLA: Chemical Dehalogenation. Final Report.
(EPA/540/R-92/013A)
PB92-231307/REB 92-04 PC **A05**/MF **A01**

IT ENVIRONMENTAL PROGRAMS, INC., CINCINNATI, OH.
Asbestos Fiber Release during Change-Out of Filter Bags from HEPA-Filtered Vacuum Cleaners.
(EPA/600/J-91/258)
PB92-113208/REB 92-01 PC **A02**/MF **A01**

Evaluation of Five Waste Minimization Technologies at the General Dynamics Pomona Division Plant.
(EPA/600/2-91/067)
PB92-125756/REB 92-01 PC **A04**/MF **A01**

Asbestos Concentrations Two Years After Abatement in Seventeen Schools.
(EPA/600/R-92/027)
PB92-158476/REB 92-01 PC **A03**/MF **A01**

On-Site Engineering Report for the Low-Temperature Thermal Desorption Pilot-Scale Test on Contaminated Soil.
(EPA/600/R-92/142)
PB92-216936/REB 92-04 PC **A07**/MF **A02**

Removal of Creosote from Soil by Bioslurry Reactors.
(EPA/600/A-92/188)
PB92-227339/REB 92-04 PC **A03**/MF **A01**

Relationship between Free Liquids and Solids Content for Sewage Sludges.
(EPA/600/J-92/303)
PB92-227453/REB 92-04 PC **A03**/MF **A01**

JACOBS ENGINEERING GROUP, INC., PASADENA, CA.
Guides to Pollution Prevention: The Fiberglass-Reinforced and Composite Plastics Industry.
(EPA/625/7-91/014)
PB91-227967/REB 92-01 PC **A04**/MF **A01**

Guides to Pollution Prevention: The Marine Maintenance and Repair Industry.
(EPA/625/7-91/015)
PB91-228817/REB 92-01 PC **A04**/MF **A01**

Guides to Pollution Prevention: The Pharmaceutical Industry.
(EPA/625/7-91/017)
PB92-100080/REB 92-01 PC **A05**/MF **A01**

Guides to Pollution Prevention: The Photoprocessing Industry.
(EPA/625/7-91/012)
PB92-129121/REB 92-01 PC **A04**/MF **A01**

Guides to Pollution Prevention: The Automotive Refinishing Industry.
(EPA/625/7-91/016)
PB92-129139/REB 92-01 PC **A04**/MF **A01**

JACOBS ENGINEERING GROUP, INC., WASHINGTON, DC.
Waste Minimization Opportunity Assessment Manual.
(EPA/625/7-88/003)
PB92-216985/REB 92-04 PC **A06**/MF **A02**

JAGUAR CARS, INC., LEONIA, NJ.
Application for Certification 1991 Model Year Light-Duty Vehicles - Jaguar.
(EPA/460/A-91/20)
PB92-128040/REB 92-01 PC **A05**/MF **A01**

JOHNS HOPKINS UNIV., BALTIMORE, MD. DEPT. OF POPULATION DYNAMICS.
Immature Rat Leydig Cells are Intrinsically Less Sensitive Than Adult Leydig Cells to Ethane Dimethanesulfonate.
(EPA/600/J-92/322)
PB92-232842/REB 92-04 PC **A03**/MF **A01**

JOHNS HOPKINS UNIV., BALTIMORE, MD. SCHOOL OF HYGIENE AND PUBLIC HEALTH.
Isolation and Culture of Leydig Cells from Adult Rats.
(EPA/600/A-92/071)
PB92-166321/REB 92-01 PC **A03**/MF **A01**

JT AND A, INC., WASHINGTON, DC.
Proceedings of a National Conference: Water Quality Standards for the 21st Century. Held in Dallas, Texas on March 1-3, 1989.
PB92-231810/REB 92-04 PC **A11**/MF **A03**

Proceedings of a Conference: Water Quality Standards for the 21st Century. Held in Arlington, Virginia, on December 10-12, 1990.
PB92-231828/REB 92-04 PC **A12**/MF **A03**

KANSAS UNIV., KANSAS CITY.
Handbook for Special Public Notification for Lead for Public Drinking Water Suppliers.
(EPA/570/9-88/002)
PB92-164722/REB 92-01 PC **A04**/MF **A01**

KEELY (JOSEPH F.), PORTLAND, OR.
Performance Evaluations of Pump-and-Treat Remediations.
(EPA/540/4-89/005)
PB92-114461/REB 92-01 PC **A03**/MF **A01**

KENNESAW STATE COLL., MARIETTA, GA.
Incineration Data on Arsenic and Lead Emissions.
(EPA/600/A-92/079)
PB92-179043/REB 92-01 PC **A03**/MF **A01**

KENTUCKY UNIV., LEXINGTON.
DNA Adducts of the Antitumor Agent Diaziquone.
(EPA/600/J-92/059)
PB92-150739/REB 92-01 PC **A02**/MF **A01**

KENTUCKY UNIV., LEXINGTON. DEPT. OF CHEMICAL ENGINEERING.
Separation of Hazardous Organics by Low Pressure Membranes: Treatment of Soil-Wash Rinse-Water Leachates.
(EPA/600/R-92/035)
PB92-153436/REB 92-01 PC **A07**/MF **A02**

KENTUCKY UNIV., LEXINGTON. GRADUATE CENTER FOR TOXICOLOGY.
Cigarette Smoke-Induced DNA Adducts in the Respiratory and Nonrespiratory Tissues of Rats.
PB92-189083/REB 92-01 PC **A02**/MF **A01**

KILKELLY ENVIRONMENTAL ASSOCIATES, INC., RALEIGH, NC.
Environmental Monitoring and Assessment Program: 1991 Project Descriptors.
(EPA/600/4-91/015)
PB92-114479/REB 92-01 PC **A06**/MF **A02**

LAWRENCE BERKELEY LAB., CA.
Energy Use of Ice Making in Domestic Refrigerators.
(EPA/600/R-92/158)
PB92-232206/REB 92-04 PC **A03**/MF **A01**

LAWRENCE BERKELEY LAB., CA. APPLIED SCIENCE DIV.
Modeling Radon Entry into Florida Houses with Concrete Slabs and Concrete-Block Stem Walls.
(EPA/600/R-92/119)
PB92-201128/REB 92-04 PC **A06**/MF **A02**

LAWRENCE LIVERMORE NATIONAL LAB., CA. ATMOSPHERIC AND GEOPHYSICAL SCIENCES DIV.
Tropospheric Nitrogen: The Influence of Anthropogenic Sources on Distribution and Deposition.
(EPA/600/3-91/070)
PB92-126937/REB 92-01 PC **A06**/MF **A02**

LIMNO-TECH, INC., ANN ARBOR, MI.
Dynamic Toxics Wasteload Allocation Model (DINTOX). User's Manual.
PB92-231570/REB 92-04 PC **A05**

LITTLE (ARTHUR D.), INC., CAMBRIDGE, MA.
ADL-64320-10
Improvement of PMN Review Procedures to Estimate Protective Clothing Performance. Executive Summary Report.
(EPA/600/2-91/059)
PB92-105691/REB 92-01 PC **A03**/MF **A01**

Limited-Use Chemical Protective Clothing for EPA Superfund Activities.
(EPA/600/R-92/014)
PB92-143494/REB 92-01 PC **A03**/MF **A01**

Permeation of Multifunctional Acrylates through Selected Protective Glove Materials.
(EPA/600/J-92/099)
PB92-153915/REB 92-01 PC **A02**/MF **A01**

Permeation of Multifunctional Acrylates through Three Protective Clothing Materials.
(EPA/600/R-92/049)
PB92-164797/REB 92-01 PC **A06**/MF **A02**

Evaluation of Personal Cooling Devices for Dioxin Clean-Up Operation.
(EPA/600/R-92/137)
PB92-206895/REB 92-04 PC **A05**/MF **A01**

Permeation Resistance of Glove Materials to Agricultural Pesticides.
(EPA/600/J-92/297)
PB92-227396/REB 92-04 PC **A03**/MF **A01**

LIVERPOOL UNIV. (ENGLAND).
Higher Plant Accumulation of Organic Pollutants from Soils.
(EPA/600/R-92/138)
PB92-209378/REB 92-04 PC **A07**/MF **A02**

LOCKHEED ENGINEERING AND SCIENCES CO., INC., LAS VEGAS, NV.
Watershed Characterization Using Landsat Thematic Mapper Imagery: Blackfoot River, Montana.
(EPA/600/4-91/027)
PB92-115237/REB 92-01 PC **A03**/MF **A01**

Interlaboratory Comparison of Thermospray and Particle Beam Liquid Chromatography/Mass Spectrometry Interfaces: Evaluation of a Chlorinated Phenoxy Acid Herbicide Liquid Chromatography/Mass Spectrometry Analysis Method.
(EPA/600/J-91/317)
PB92-124734/REB 92-01 PC **A02**/MF **A01**

Environmental Monitoring and Assessment Program: Surface Waters Implementation Plan - Northeast Pilot Lake Survey, Summer 1991.
(EPA/600/4-91/019)
PB92-139948/REB 92-01 PC **A05**/MF **A01**

Protein Adducts for Exposure Monitoring: A Computerized Database. Software and User's Manual.
(EPA/600/8-91/043, EPA/SW/DK-92/037A)
PB92-155431/REB 92-01 PC **A03**/MF **A01**

Superfund Innovative Technology Evaluation Program Demonstration Plan for Westinghouse Bio-Analytic Systems Pentachlorophenol Immunoassays.
(EPA/600/4-91/028)
PB92-170190/REB 92-01 PC **A08**/MF **A02**

Gas Chromatographic Elution Patterns of Chlorinated Dioxins versus Column Polarity.
(EPA/600/J-92/223)
PB92-192186/REB 92-01 PC **A02**/MF **A01**

LOCKHEED ENGINEERING AND SCIENCES CO., INC., LAS VEGAS, NV. ENVIRONMENTAL PROGRAMS OFFICE.
Guide to Site and Soil Description for Hazardous Waste Site Characterization. Volume 1. Metals.
(EPA/600/4-91/029)
PB92-146158/REB 92-01 PC **A13**/MF **A03**

Direct/Delayed Response Project: Soil Characterization Comparison.
(EPA/600/4-91/008)
PB92-153428/REB 92-01 PC **A16**/MF **A03**

GIS Technical Memorandum 3: Global Positioning Systems Technology and Its Application in Environmental Programs.
(EPA/600/R-92/036)
PB92-169358/REB 92-01 PC **A04**/MF **A01**

Superfund Innovative Technology Evaluation (Site) Report for the Westinghouse Bio-Analytic Systems Pentachlorophenol (PCP) Immunoassays.
(EPA/600/R-92/032)
PB92-188713/REB 92-01 PC **A06**/MF **A02**

Measurement of Polycyclic Aromatic Hydrocarbons in Soils and Sediments by Particle-Beam/High-Performance Liquid Chromatography/Mass Spectrometry.
(EPA/600/4-91/032)
PB92-188721/REB 92-01 PC **A03**/MF **A01**

LOTUS CARS LTD., NORWICH (ENGLAND).
Application for Certification 1992 Model Year Light-Duty Vehicles - Lotus Cars, Ltd.
(EPA/460/A-92/39)
PB92-182831/REB 92-04 PC **A99**/MF **E08**

LOUISVILLE UNIV., KY. DEPT. OF BIOLOGY.
Differentiation of 'Giardia duodenalis' from Other 'Giardia spp.' by Using Polymerase Chain Reaction and Gene Probes.
(EPA/600/J-92/038)
PB92-150531/REB 92-01 PC **A02**/MF **A01**

MACK TRUCKS, INC., HAGERSTOWN, MD.
Application for Certification 1991 Model Year Heavy-Duty Diesel Engines - Mack Truck.
(EPA/460/A-91/12)
PB91-242768/REB 92-01 PC **A99**/MF **A06**

Application for Certification 1991 Model Year Heavy-Duty Vehicles - Mack Trucks.
(EPA/460/A-91/13)
PB91-242776/REB 92-01 PC **A25**/MF **A06**

Application for Certification 1992 Model Year Heavy-Duty Vehicles - Mack Trucks.
(EPA/460/A-92/51)
PB92-182963/REB 92-04 PC **A12**/MF **A03**

MAINE UNIV. AT ORONO. DEPT. OF PHYSICS AND ASTRONOMY.

Measurement of the Biotransfer and Time Constant of Radon from Ingested Water by Human Breath Analysis.
(EPA/600/J-92/196)
PB92-189026/REB 92-01 PC **A03**/MF **A01**

MAINE UNIV. AT ORONO. DEPT. OF PLANT, SOIL AND ENVIRONMENTAL SCIENCES.

Soil Response to S and N Treatments in a Northern New England Low Elevation Coniferous Forest.
(EPA/600/J-92/040)
PB92-150556/REB 92-01 PC **A03**/MF **A01**

MANTECH ENVIRONMENTAL TECHNOLOGY, INC., ADA, OK.

Sampling of Contaminated Sites.
(EPA/600/J-91/240)
PB92-110436/REB 92-01 PC **A02**/MF **A01**

Evaluation of Sorption Models in the Simulation of Naphthalene Transport Through Saturated Soils.
(EPA/600/J-91/257)
PB92-113190/REB 92-01 PC **A02**/MF **A01**

MANTECH ENVIRONMENTAL TECHNOLOGY, INC., CORVALLIS, OR.

Environmental Monitoring and Assessment Program (EMAP) Design Report.
(EPA/600/3-91/053)
PB92-103449/REB 92-01 PC **A04**/MF **A01**

Permit Tracking System (PTS): A User's Manual.
(EPA/600/8-91/054, EPA/SW/DK-92/015A)
PB92-105659/REB 92-01 PC **A08**/MF **A02**

PIRLA DBMS Quick Reference Guide.
(EPA/600/8-91/205)
PB92-110824/REB 92-01 PC **A08**/MF **A02**

Final Quality Assurance Report for the Tampa, Florida Wetlands Study.
(EPA/600/3-91/059)
PB92-113000/REB 92-01 PC **A09**/MF **A03**

Impact of Conservation Tillage Use on Soil and Atmospheric Carbon in the Contiguous United States.
(EPA/600/3-91/056)
PB92-113448/REB 92-01 PC **A03**/MF **A01**

Workshop Proceedings: The Role of Created and Natural Wetlands in Controlling Nonpoint Source Pollution. Held in Arlington, Virginia on June 10-11, 1991.
(EPA/600/9-91/042)
PB92-113463/REB 92-01 PC **A13**/MF **A03**

Evaluating Design and Verifying Compliance of Created Wetlands in the Vicinity of Tampa, Florida.
(EPA/600/3-91/068)
PB92-116045/REB 92-01 PC **A06**/MF **A02**

Estimating Critical Loads of Sulfate to Surface Waters in the Northeastern United States: A Comparative Assessment of Three Procedures for Estimating Critical Loads of Sulfate for Lakes.
(EPA/600/3-91/062)
PB92-119015/REB 92-01 PC **A03**/MF **A01**

Quality Assurance Project Plan: Tampa, Florida Wetlands Study.
(EPA/600/3-91/060)
PB92-122761/REB 92-01 PC **A11**/MF **A03**

Adjusting Ambient Ozone Air Quality Indicators for Missing Values.
(EPA/600/D-91/265)
PB92-124155/REB 92-01 PC **A02**/MF **A01**

Pilot Study to Compare Created and Natural Wetlands in Western Washington and Evaluate Methods.
(EPA/600/R-92/013)
PB92-136811/REB 92-01 PC **A04**/MF **A01**

Integrating Sustainable Agriculture, Ecology, and Environmental Policy. Proceedings of a Workshop. Held in Arlington, Virginia, on July 22-23, 1991.
(EPA/600/R-92/015)
PB92-137975/REB 92-01 PC **A11**/MF **A03**

Preface and Introduction to 'The Response of Western Forests to Air Pollution'.
(EPA/600/A-92/016)
PB92-143833/REB 92-01 PC **A02**/MF **A01**

Science Policy Interface (Chapter 12).
(EPA/600/A-92/017)
PB92-143841/REB 92-01 PC **A03**/MF **A01**

Alaska North Slope Oil-Field Restoration Research Strategy.
(EPA/600/R-92/022)
PB92-151653/REB 92-01 PC **A04**/MF **A01**

Equilibrium-Analysis of Projected Climate Change Effects on the Global Soil Organic Matter Pool.
(EPA/600/A-92/039)
PB92-153022/REB 92-01 PC **A03**/MF **A01**

What Is the Potential of Forest Management to Slow the Increase of Atmospheric CO2.
(EPA/600/A-92/105)
PB92-180249/REB 92-01 PC **A03**/MF **A01**

NATO Workshop on the Atmospheric Methane Cycle. Held in Mt. Hood, Oregon on October 6-11, 1991. Working Group Report on Methane Sources and Sinks.
(EPA/600/A-92/106)
PB92-180256/REB 92-01 PC **A03**/MF **A01**

Potential Impacts of Climate Change on Pacific Northwest Forest Vegetation.
(EPA/600/R-92/095)
PB92-184985/REB 92-01 PC **A03**/MF **A01**

Impacts of Climate Change on Rice Yield: Evaluation of the Efficacity of Different Modeling Approaches.
(EPA/600/A-92/109)
PB92-188754/REB 92-01 PC **A04**/MF **A01**

Protocol for Testing the Effects of Fungal Pesticides on Nontarget Beetles Using 'Hippodamia convergens' (Coleoptera: Coccinellidae).
(EPA/600/R-92/160)
PB92-217488/REB 92-04 PC **A03**/MF **A01**

Climate Change in Thailand and Its Potential Impact on Rice Yield.
(EPA/600/J-92/326)
PB92-232883/REB 92-04 PC **A03**/MF **A01**

Carbon Storage Potential of Short Rotation Tropical Tree Plantations.
(EPA/600/J-92/327)
PB92-232891/REB 92-04 PC **A03**/MF **A01**

Biological Diversity and Biological Integrity: Current Concerns for Lakes and Streams.
(EPA/600/J-92/329)
PB92-232917/REB 92-04 PC **A03**/MF **A01**

MANTECH ENVIRONMENTAL TECHNOLOGY, INC., RESEARCH TRIANGLE PARK, NC.

New Action for Topoisomerase Inhibitors.
(EPA/600/J-91/242)
PB92-110451/REB 92-01 PC **A03**/MF **A01**

Forest Health Monitoring Plot Design and Logistics Study.
(EPA/600/3-91/051)
PB92-118447/REB 92-01 PC **A06**/MF **A02**

Potentiation of Inhibition with Perforant Path Kindling: An NMDA-Receptor Dependent Process.
(EPA/600/J-91/322)
PB92-120468/REB 92-01 PC **A02**/MF **A01**

Colchicine-Induced Deafferentation of the Hippocampus Selectively Disrupts Cholinergic Rhythmical Slow Wave Activity.
(EPA/600/J-91/323)
PB92-120476/REB 92-01 PC **A03**/MF **A01**

Rat Sperm Motility Analysis: Methodologic Considerations.
(EPA/600/J-91/312)
PB92-124684/REB 92-01 PC **A03**/MF **A01**

Polyploidy Induction as a Consequence of Topoisomerase Inhibition. A Flow Cytometric Assessment.
(EPA/600/J-91/014)
PB92-143866/REB 92-01 PC **A03**/MF **A01**

Influence of Chlordimeform on Alpha-Adrenergic Receptor-Associated Mechanisms of Hormonal Regulation in the Rat: Pituitary and Adrenocortical Secretion.
(EPA/600/J-92/018)
PB92-143908/REB 92-01 PC **A03**/MF **A01**

Utility of Light Scatter in the Morphological Analysis of Sperm.
(EPA/600/J-92/061)
PB92-150754/REB 92-01 PC **A03**/MF **A01**

Developmental Effects of Methyl Benzimidazolecarbamate Following Exposure during Early Pregnancy.
(EPA/600/J-92/116)
PB92-164862/REB 92-01 PC **A02**/MF **A01**

Computer-Assisted Sperm Analysis of Rodent Epididymal Sperm Motility Using the Hamilton-Thorn Motility Analyzer.
(EPA/600/A-92/070)
PB92-165000/REB 92-01 PC **A03**/MF **A01**

Evaluation of Gas Chromatography/Matrix Isolation Infrared Spectrometry for the Determination of Semivolatile Organic Compounds in Air Sample Extracts.
(EPA/600/J-92/130)
PB92-166651/REB 92-01 PC **A03**/MF **A01**

Examination of the Anticonvulsant Properties of Voltage-Sensitive Calcium Channel Inhibitors in Amygdala Kindled Seizures.
(EPA/600/J-92/143)
PB92-166776/REB 92-01 PC **A02**/MF **A01**

Statistical Issues in Environmental Monitoring and Assessment.
(EPA/600/R-92/073)
PB92-178987/REB 92-01 PC **A03**/MF **A01**

Comparison of Subchronic Neurotoxicity of 2-Hydroxyethyl Acrylate and Acrylamide in Rats.
(EPA/600/J-92/188)
PB92-188945/REB 92-01 PC **A03**/MF **A01**

Proconvulsant Activity of Endosulfan in Amygdala Kindling.
(EPA/600/J-92/194)
PB92-189000/REB 92-01 PC **A02**/MF **A01**

Comparison of Screening Approaches, 1992.
(EPA/600/J-92/198)
PB92-189042/REB 92-01 PC **A03**/MF **A01**

Characterization of Chemical Kindling with the Pesticide Endosulfan.
(EPA/600/J-92/199)
PB92-189059/REB 92-01 PC **A02**/MF **A01**

Use of the Fungicide Carbendazim as a Model Compound to Determine the Impact of Acute Chemical Exposure during Oocyte Maturation and Fertilization on Pregnancy Outcome in the Hamster.
(EPA/600/J-92/261)
PB92-206416/REB 92-04 PC **A02**/MF **A01**

Atlanta Ozone Precursor Monitoring Study Data Report.
(EPA/600/R-92/157)
PB92-220656/REB 92-04 PC **A08**/MF **A02**

Utility of Activity and Observational Data for Neurotoxicity Screening.
(EPA/600/A-92/194)
PB92-232826/REB 92-04 PC **A03**/MF **A01**

MANTECH ENVIRONMENTAL TECHNOLOGY INTERNATIONAL, INC., CORVALLIS, OR.

Cartographic and Geometric Components of a Global Sampling Design for Environmental Monitoring.
(EPA/600/J-92/292)
PB92-217397/REB 92-04 PC **A03**/MF **A01**

MARYLAND UNIV., COLLEGE PARK. DEPT. OF BOTANY.

Potential Impacts of Increased Solar UV-B on Global Plant Productivity.
(EPA/600/A-92/103)
PB92-180223/REB 92-01 PC **A03**/MF **A01**

MASSACHUSETTS INST. OF TECH., CAMBRIDGE.

NO/Char Reactions at Pulverized Coal Flame Conditions.
(EPA/600/J-91/284)
PB92-121417/REB 92-01 PC **A03**/MF **A01**

MASSACHUSETTS INST. OF TECH., CAMBRIDGE. DEPT. OF CHEMICAL ENGINEERING.

Characteristics of Single Particle Coal Combustion.
(EPA/600/J-91/283)
PB92-121409/REB 92-01 PC **A02**/MF **A01**

Non-Equilibrium Effects in the Vaporization of Multicomponent Fuel Droplets.
(EPA/600/J-91/285)
PB92-121425/REB 92-01 PC **A02**/MF **A01**

Nitric Oxide Formation during Pulverized Coal Combustion.
(EPA/600/J-91/286)
PB92-121433/REB 92-01 PC **A03**/MF **A01**

Oxidation and Devolatilization of Nitrogen in Coal Char.
(EPA/600/J-91/287)
PB92-121441/REB 92-01 PC **A02**/MF **A01**

MASSACHUSETTS UNIV., AMHERST. DEPT. OF ZOOLOGY.

Estimating the Rate of Plasmid Transfer: An End-Point Method.
(EPA/600/J-90/551)
PB92-129626/REB 92-01 PC **A02**/MF **A01**

MAZDA MOTOR CORP., HIROSHIMA (JAPAN).

Application for Certification 1992 Model Year Light-Duty Trucks - Mazda.
(EPA/460/A-92/16)
PB92-122373/REB 92-01 PC **A99**/MF **A06**

Application for Certification 1992 Model Year Light-Duty Vehicles - Mazda.
(EPA/460/A-92/17)
PB92-122381/REB 92-01 PC **A99**/MF **E08**

Application for Certification 1991 Model Year Light-Duty Vehicles - Mazda Motor Company.
(EPA/460/A-91/21)
PB92-128057/REB 92-01 PC **A99**/MF **E14**

MERCEDES-BENZ OF NORTH AMERICA, INC., MONTVALE, NJ.

Application for Certification 1992 Model Year Light-Duty Vehicles - Mercedes Benz.
(EPA/460/A-92/18)
PB92-122399/REB 92-01 PC **A99**/MF **E14**

Application for Certification 1991 Model Year Light-Duty Vehicles - Mercedes Benz.
(EPA/460/A-91/22)
PB92-128065/REB 92-01 PC **A99**/MF **E08**

MERCEDES-BENZ TRUCK CO., INC., CHARLOTTE, NC.

Application for Certification 1992 Model Year Heavy-Duty Diesel Engines - Mercedes Benz.
(EPA/460/A-91/31)
PB92-122530/REB 92-01 PC **A03**/MF **A01**

METCALF AND EDDY, INC., WAKEFIELD, MA.

Stabilization Technologies for RCRA Corrective Actions. Handbook.
(EPA/625/6-91/026)
PB92-114495/REB 92-01 PC **A04**/MF **A01**

MICHIGAN UNIV., ANN ARBOR. MEDICAL SCHOOL.

Cloning and Characterization of tfdS, the Repressor-Activator Gene of tfdB, from the 2,4-Dichlorophenoxyacetic Acid Catabolic Plasmid pJP4.
(EPA/600/J-90/552)
PB92-129634/REB 92-01 PC **A02**/MF **A01**

MIDWEST RESEARCH INST., CARY, NC.

Alternative Control Techniques Document: Nitric and Adipic Acid Manufacturing Plants.
(EPA/450/3-91/026)
PB92-132828/REB 92-01 PC **A07**/MF **A02**

Assessment of VOC Emissions and Their Control from Baker's Yeast Manufacturing Facilities.
(EPA/450/3-91/027)
PB92-145408/REB 92-01 PC **A04**/MF **A01**

Emission Factor Documentation for AP-42 Section 2.5, Sewage Sludge Incineration.
(EPA/450/4-90/017)
PB92-152834/REB 92-01 PC **A05**/MF **A01**

Emission Factor Documentation for AP-42 Section 2.1.1., Municipal Waste Combustion.
(EPA/450/4-90/016)
PB92-152867/REB 92-01 PC **A15**/MF **A03**

Summary of NOx Control Technologies and Their Availability and Extent of Application.
PB92-158260/REB 92-01 PC **A06**/MF **A02**

Measurement Solution: Using a Temporary Total Enclosure for Capture Efficiency Testing.
(EPA/450/4-91/020A)
PB92-190271/REB 92-01 PC **A07**/MF **A02**

MIDWEST RESEARCH INST., KANSAS CITY, MO.
Indoor Air Pollutants from Household Product Sources: Project Report.
(EPA/600/4-91/025)
PB92-136837/REB 92-01 PC **A08**/MF **A02**

Chlorinated Dioxins and Furans in the General U.S. Population: NHATS FY87 Results.
(EPA/560/5-91/003)
PB92-180157/REB 92-01 PC **A12**/MF **A03**

MINISTRY OF AGRICULTURE, FISHERIES AND FOOD, LOWESTOFT (ENGLAND). DIRECTORATE OF FISHERIES RESEARCH.
MAFF-AEPAM-7
Determination of alpha-emitting nuclides of plutonium, americium and curium in environmental materials: Pt. 1. Sea water.
DE92614732/REB 92-01 PC **A03**/MF **A01**

MINNESOTA TECHNICAL ASSISTANCE PROGRAM, MINNEAPOLIS.
Modifications to Reduce Drag Out at a Printed Circuit Board Manufacturer.
(EPA/600/R-92/114)
PB92-198555/REB 92-04 PC **A03**/MF **A01**

MINNESOTA UNIV., MINNEAPOLIS. ST. ANTHONY FALLS HYDRAULIC LAB.
TP-316-SER-A
Three Case Studies of Lake Temperature and Stratification Response to Warmer Climate.
(EPA/600/J-91/282)
PB92-121391/REB 92-01 PC **A03**/MF **A01**

MITSUBISHI MOTORS CORP., TOKYO (JAPAN).
Application for Certification 1992 Model Year Light-Duty Vehicles - Mitsubishi.
(EPA/460/A-92/19)
PB92-122407/REB 92-01 PC **A99**/MF **E08**

Application for Certification 1992 Model Year Heavy-Duty Diesel Engines - Mitsubishi Motors Corporation.
(EPA/460/A-92/32)
PB92-122548/REB 92-01 PC **A04**/MF **A01**

Application for Certification 1991 Model Year Light-Duty Trucks - Mitsubishi.
(EPA/460/A-91/23)
PB92-128073/REB 92-01 PC **A99**/MF **A06**

MONTGOMERY (JAMES M.) CONSULTING ENGINEERS, INC., PASADENA, CA. MONTGOMERY LABS.
EPA/810/B-92/002
Quality Assurance Project Plan for the National Pesticide Survey of Drinking Water Wells: Analytical Method 1 - Nitrogen/Phosphorous Pesticides and Analytical Method 3 - Chlorinated Acid Herbicides.
PB92-168517/REB 92-04 PC **A12**/MF **A03**

Quality Assurance Project Plan for the National Pesticide Survey of Drinking Water Wells: Analytical Method 9 - Nitrate and Nitrite.
(EPA/810/B-92/008)
PB92-168574/REB 92-04 PC **A05**/MF **A01**

MUNICIPAL ENVIRONMENTAL RESEARCH LAB.- CINCINNATI, EDISON, NJ. STORM AND COMBINED SEWER SECTION.
EPA/600/A-92/062
Handling and Disposal of Sludges and Residuals from Combined Sewer Overflow Treatment.
PB92-158567/REB 92-01 PC **A02**/MF **A01**

EPA/600/A-92/063
Demonstration of in-Receiving Water Storage of Combined Sewer Overflows: In a Marine/Estuarine Environment by the Flow Balance Method.
PB92-158575/REB 92-01 PC **A02**/MF **A01**

NATIONAL AGRICULTURAL LIBRARY, BELTSVILLE, MD.
USDA/BLA-106
Pesticide Applicator Training Materials: A Bibliography.
PB92-780873/REB 92-01 PC**$97.50**/MF**$42.50**

USDA/BLA-108
Protection of Stored Grains, 1979-April 1991. Citations from AGRICOLA Concerning Diseases and Other Environmental Considerations.
PB92-140243/REB 92-01 PC **A11**/MF **A03**

USDA/BLA-109
Protection of Nut Crops, 1979-April 1991. Citations from AGRICOLA Concerning Diseases and Other Environmental Considerations.
PB92-140219/REB 92-01 PC **A12**/MF **A03**

USDA/BLA-110
Protection of Tomatoes, Egg Plants, and Peppers: 1979-April 1991. Citations from AGRICOLA Concerning Diseases and Other Environmental Considerations.
PB92-140201/REB 92-01 PC **A11**/MF **A03**

NATIONAL AIR AND RADIATION ENVIRONMENTAL LAB., MONTGOMERY, AL.
EPA/520/5-91/025
Environmental Radiation Data. Report 63, July-September 1990.
PB92-164706/REB 92-01 PC **A03**/MF **A01**

NATIONAL CANCER INST., BETHESDA, MD. DIV. OF CANCER ETIOLOGY.
Human Bronchial Epithelial Cell Strain with Unusual In vitro Growth Potential Which Undergoes Neoplastic Transformation after SV40 T Antigen Gene Transfection.
(EPA/600/J-92/255)
PB92-206358/REB 92-04 PC **A03**/MF **A01**

NATIONAL CENTER FOR GROUND WATER RESEARCH, HOUSTON, TX.
Microbial Transport through Porpus Media: The Effects of Hydraulic Conductivity and Injection Velocity.
(EPA/600/A-92/024)
PB92-150465/REB 92-01 PC **A03**/MF **A01**

NATIONAL ENFORCEMENT INVESTIGATIONS CENTER, DENVER, CO.
EPA/330/9-89/003-R
Multi-Media Investigation Manual.
PB92-161553/REB 92-01 PC **A12**/MF **A03**

NATIONAL GEOPHYSICAL DATA CENTER, BOULDER, CO.
Global Ecosystems Database. Version 0.1 (Beta-test). EPA Global Climate Research Program. NOAA/NGDC Global Change Database Program. Prototype 1. Database Documentation. NGDC Key to Geophysical Records Documentation No. 25.
(EPA/600/8-91/216)
PB92-122803/REB 92-01 PC **A16**/MF **A03**

NATIONAL INST. FOR OCCUPATIONAL SAFETY AND HEALTH, CINCINNATI, OH. ENGINEERING CONTROL TECHNOLOGY BRANCH.
CT-160-04A
Evaluation of Alternative Samplers for Bioaerosols. Phase 1. Physical Sampling Efficiency.
PB92-161918/REB 92-01 PC **A04**/MF **A01**

CT-160-06
Evaluation of Sampling Alternatives for Bioaerosols. Phase 2: Viable Microorganism Sampling Efficiency.
PB92-136183/REB 92-01 PC **A06**/MF **A02**

NATIONAL INST. OF ENVIRONMENTAL HEALTH SCIENCES, RESEARCH TRIANGLE PARK, NC.
Retinoic Acid Alters Epithelial Differentiation during Palaotogenesis.
(EPA/600/J-92/105)
PB92-158617/REB 92-01 PC **A03**/MF **A01**

NATIONAL INST. OF ENVIRONMENTAL HEALTH SCIENCES, RESEARCH TRIANGLE PARK, NC. LAB. OF MOLECULAR AND INTEGRATIVE NEUROSCIENCE.
Spatial Learning Deficits Are Not Solely Due to Cholinergic Deficits Following Medial Septal Lesions with Colchicine.
(EPA/600/J-92/251)
PB92-206317/REB 92-04 PC **A03**/MF **A01**

Age-Dependent Changes in Receptor-Stimulated Phosphoinositide Turnover in the Rat Hippocampus.
(EPA/600/J-92/253)
PB92-206333/REB 92-04 PC **A02**/MF **A01**

NATIONAL INST. OF STANDARDS AND TECHNOLOGY (BFRL), GAITHERSBURG, MD.
NISTIR-4597
Performance Evaluation of a Variable Speed, Mixed Refrigerant Heat Pump.
PB92-143759/REB 92-01 PC **A04**/MF **A01**

NISTIR-4748
Performance of Chlorine-Free Binary Zeotropic Refrigerant Mixtures in a Heat Pump.
(EPA/600/R-92/017)
PB92-149814/REB 92-01 PC **A05**/MF **A01**

NATIONAL INST. OF STANDARDS AND TECHNOLOGY (NML), GAITHERSBURG, MD. GAS AND PARTICULATE SCIENCE DIV.
14C Source Apportionment Technique Applied to Wintertime Urban Aerosols and Gases for the EPA Integrated Air Cancer Project.
PB92-171370 92-01 Not available NTIS

NATIONAL INST. OF STANDARDS AND TECHNOLOGY (NML), GAITHERSBURG, MD. THERMOPHYSICS DIV.
Thermophysical Properties of Gaseous Refrigerants from Speed-of-Sound Measurements. 2. Results for 1,1-dichloro-1-fluoroethane (CCl2FCH3).
PB92-154277 92-01 Not available NTIS

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION, RESEARCH TRIANGLE PARK, NC. AIR RESOURCES LAB.
Estimating Natural Emissions for EPA's Regional Oxidant Model.
(EPA/600/D-91/286)
PB92-129592/REB 92-01 PC **A03**/MF **A01**

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION, RESEARCH TRIANGLE PARK, NC. ATMOSPHERIC SCIENCES MODELING DIV.
EPA/600/A-92/034
Investigation of RADM Performance Using Aircraft Measurements.
PB92-152974/REB 92-01 PC **A02**/MF **A01**

NOAA-TM-ERL-ARL-194
Fiscal Year 1991 Summary Report of NOAA Atmospheric Sciences Modeling Division Support to the U.S. Environmental Protection Agency.
PB92-217835/REB 92-04 PC **A05**/MF **A01**

Routine Estimation and Reporting of Dry Deposition for the U.S.A. Dry Deposition Network.
(EPA/600/D-91/248)
PB92-121144/REB 92-01 PC **A03**/MF **A01**

Regional Air Quality and Acid Deposition Modeling and the Role for Visualization.
(EPA/600/D-91/274)
PB92-124247/REB 92-01 PC **A03**/MF **A01**

Partitioning of the Sulfate Budget into Gas and Aqueous-Phase Components in the Regional Acid Deposition Model (RADM).
(EPA/600/A-92/033)
PB92-152966/REB 92-01 PC **A02**/MF **A01**

NATIONAL RESEARCH COUNCIL, WASHINGTON, DC.
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Biologic Markers in Pulmonary Toxicology.
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NATIONAL RESEARCH COUNCIL, WASHINGTON, DC. WATER SCIENCE AND TECHNOLOGY BOARD.
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NATIONAL RURAL WATER ASSOCIATION, WASHINGTON, DC.
Drinking Water Systems: Three Approaches to Improve Mobile Home Park Compliance.
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PB92-164714/REB 92-01 PC **A05**/MF **A02**

NATIONAL TOXICOLOGY PROGRAM, RESEARCH TRIANGLE PARK, NC.
National Toxicology Program: Review of Current DHHS, DOE, and EPA Research Related to Toxicology, Fiscal Year 1991.
PB92-189141/REB 92-01 PC **A14**/MF **A03**

National Toxicology Program: Annual Plan for Fiscal Year 1991.
PB92-189158/REB 92-01 PC **A11**/MF **A03**

Methods for Assessing Rat Sperm Motility.
(EPA/600/J-92/229)
PB92-195825/REB 92-01 PC **A02**/MF **A01**

NAVISTAR INTERNATIONAL CORP., MELROSE PARK, IL.
Application for Certification 1991 Model Year Heavy-Duty Engines - Navistar.
(EPA/460/A-91/14)
PB91-242784/REB 92-01 PC **A05**/MF **A01**

Application for Certification 1992 Model Year Heavy-Duty Vehicles - Navistar International Corporation.
(EPA/460/A-92/52)
PB92-182971/REB 92-04 PC **A05**/MF **A01**

NEVADA UNIV., LAS VEGAS. ENVIRONMENTAL RESEARCH CENTER.
Monitoring and Research Strategy for Forests-Environmental Monitoring and Assessment Program.
(EPA/600/4-91/012)
PB92-146208/REB 92-01 PC **A09**/MF **A02**

Evaluation of Four Aerobiological Sampling Methods for the Retrieval of Aerosolized 'Pseudomonas syringae'.
(EPA/600/J-92/103)
PB92-158591/REB 92-01 PC **A01**/MF **A01**

Probability of Plume Interception Using Conditional Simulation of Hydraulic Head and Inverse Modeling.
(EPA/600/J-92/298)
PB92-227404/REB 92-04 PC **A03**/MF **A01**

NEVADA UNIV., LAS VEGAS. HARRY REID CENTER FOR ENVIRONMENTAL STUDIES.

Characterizing Heterogeneous Wastes: Methods and Recommendations (March 26-28, 1991).
(EPA/600/R-92/033)
PB92-216894/REB 92-04 PC **A08**/MF **A02**

NEVADA UNIV. SYSTEM, LAS VEGAS. DESERT RESEARCH INST.

Climate.
(EPA/600/A-92/023)
PB92-150457/REB 92-01 PC **A03**/MF **A01**

NEW JERSEY INST. OF TECH., NEWARK.

Waste Reduction Activities and Options at a Printer of Forms and Supplies for the Legal Profession.
(EPA/600/S-92/003)
PB92-217496/REB 92-04 PC **A02**/MF **A01**

Waste Reduction Activities and Options for a Nuclear Powered Electrical Generating Station.
(EPA/600/S-92/025)
PB92-235654/REB 92-04 PC **A02**/MF **A01**

Waste Reduction Activities and Options for a Local Board of Education in New Jersey.
(EPA/600/S-92/027)
PB92-238476/REB 92-04 PC **A02**/MF **A01**

NEW MEXICO ENGINEERING RESEARCH INST., ALBUQUERQUE.

Research and Development for Total-Flood Halon 1301 Replacements for Oil and Gas Production Facilities.
(EPA/600/A-92/151)
PB92-206515/REB 92-04 PC **A02**/MF **A01**

NEW YORK UNIV. MEDICAL CENTER, NY. INST. OF ENVIRONMENTAL MEDICINE.

Effects of Heavy Industrial Pollution on Respiratory Function in the Children of Cubatao, Brazil: A Preliminary Report.
(EPA/600/J-92/279)
PB92-217207/REB 92-04 PC **A02**/MF **A01**

NEW YORK UNIV. MEDICAL CENTER, TUXEDO PARK. INST. OF ENVIRONMENTAL MEDICINE.

Enhance and Prolonged Pulmonary Influenza Virus Infection Following Phosgene Inhalation.
(EPA/600/J-91/309)
PB92-124650/REB 92-01 PC **A03**/MF **A01**

NISSAN DIESEL AMERICA, INC., IRVING, TX.

Application for Certification 1992 Model Year Heavy-Duty Diesel Engines - Nissan.
(EPA/460/A-92/33)
PB92-122555/REB 92-01 PC **A10**/MF **A03**

NISSAN MOTOR CO. LTD., ATSUGI (JAPAN).

Application for Certification 1991 Model Year Light-Duty Vehicles and Light-Duty Trucks - Nissan.
(EPA/460/A-91/10)
PB91-242735/REB 92-01 PC **A99**/MF **E99**

Application for Certification 1992 Model Year Light-Duty Vehicles - Infiniti, Nissan Motors Co., Ltd.
(EPA/460/A-92/40)
PB92-182849/REB 92-04 PC **A25**/MF **A06**

Application for Certification 1992 Model Year Light-Duty Vehicles - Maxima, Nissan Motors Co., Ltd.
(EPA/460/A-92/41)
PB92-182856/REB 92-04 PC **A25**/MF **A06**

Application for Certification 1992 Model Year Light-Duty Vehicles - Stanza, Nissan Motors Co., Ltd.
(EPA/460/A-92/42)
PB92-182864/REB 92-04 PC **A99**/MF **A06**

Application for Certification 1992 Model Year Light-Duty Trucks - Nissan Motors Co., Ltd.
(EPA/460/A-92/43)
PB92-182872/REB 92-04 PC **A17**/MF **A04**

NORTH AMERICAN LAKE MANAGEMENT SOCIETY, WASHINGTON, DC.

EPA/440/4-91/002
Volunteer Lake Monitoring: A Methods Manual.
PB92-218411/REB 92-04 PC **A07**/MF **A02**

NORTH CAROLINA STATE UNIV. AT RALEIGH. DEPT. OF ZOOLOGY.

Monitoring of the Estrous Cycle in the Laboratory Rodent by Vaginal Lavage.
(EPA/600/A-92/081)
PB92-179068/REB 92-01 PC **A03**/MF **A01**

NORTH CAROLINA UNIV. AT CHAPEL HILL.

Respiratory Syncytial Virus Infection of Human Primary Nasal and Bronchial Epithelial Cell Cultures and Bronchoalveolar Macrophages.
(EPA/600/J-92/273)
PB92-209352/REB 92-04 PC **A02**/MF **A01**

Relative Mesothelioma Induction in Rats by Mineral Fibers: Comparison with Residual Pulmonary Mineral Fiber Number and Epidemiology.
(EPA/600/J-92/339)
PB92-233014/REB 92-04 PC **A03**/MF **A01**

NORTH CAROLINA UNIV. AT CHAPEL HILL. DEPT. OF ENVIRONMENTAL SCIENCES AND ENGINEERING.

Numerical Calculation: Aspiration Efficiency of Aerosols into Thin-Walled Sampling Inlets.
(EPA/600/3-91/075)
PB92-132901/REB 92-01 PC **A06**/MF **A02**

Protocols for Evaluating Oxidant Mechanisms for Urban and Regional Models.
(EPA/600/R-92/112)
PB92-205848/REB 92-04 PC **A06**/MF **A02**

Toxicity Reduction Evaluation: Case Histories at High Point and Fayetteville, North Carolina.
(EPA/600/R-92/184)
PB92-222231/REB 92-04 PC **A08**/MF **A02**

NORTH CAROLINA UNIV. AT CHAPEL HILL. DEPT. OF PSYCHOLOGY.

Reliability of Selected Tests from the Neurobehavioral Evaluation System.
(EPA/600/J-92/232)
PB92-195858/REB 92-01 PC **A02**/MF **A01**

NORTH CAROLINA UNIV. AT CHAPEL HILL. SCHOOL OF MEDICINE.

Response of a Human Bronchial Epithelial Cell Line to Histamine: Intracellular Calcium Changes and Extracellular Release of Inflammatory Mediators.
(EPA/600/J-92/270)
PB92-209329/REB 92-04 PC **A03**/MF **A01**

NORTH DAKOTA UNIV., GRAND FORKS.

Observations of Transport of Trace Gases by Vigorous Convective Clouds.
(EPA/600/A-92/054)
PB92-158484/REB 92-01 PC **A02**/MF **A01**

NORTHEAST LOUISIANA UNIV., MONROE. SCHOOL OF PHARMACY.

Comparison of In vivo Cholinesterase Inhibition in Neonatal and Adult Rats by Three Organophosphorothioate Insecticides.
(EPA/600/J-91/252)
PB92-110550/REB 92-01 PC **A03**/MF **A01**

Long-Term Neurochemical and Behavioral Effects Induced by Acute Chlorpyrifos Treatment.
(EPA/600/J-92/256)
PB92-206366/REB 92-04 PC **A02**/MF **A01**

Dose-Related Inhibition of Brain and Plasma Cholinesterase in Neonatal and Adult Rats Following Sublethal Organophosphate Exposures.
(EPA/600/J-92/274)
PB92-209360/REB 92-04 PC **A03**/MF **A01**

NORTHEAST WASTE MANAGEMENT OFFICIALS ASSOCIATION, BOSTON, MA.

Catalogue and Directory of New England States and Regional GIS Organizations and Activities, and an Assessment of Their Future GIS Needs.
(EPA/901/B-92/001)
PB92-178227/REB 92-01 PC **A13**/MF **A03**

NORTHERN KENTUCKY UNIV., HIGHLAND HEIGHTS. DEPT. OF BIOLOGICAL SCIENCES.

Immunohistochemical Detection of P21 'ras' and P110 'myc' Oncogene Expression in Regenerating Rat Liver.
(EPA/600/J-92/182)
PB92-188895/REB 92-01 PC **A03**/MF **A01**

NORTHROP SERVICES, INC., RESEARCH TRIANGLE PARK, NC.

Airway Structure Variability in the Long-Evans Rat Lung.
(EPA/600/J-91/311)
PB92-124676/REB 92-01 PC **A02**/MF **A01**

Effects of Trimethyltin on Repeated Acquisition (Learning) in the Radial-Arm Maze.
(EPA/600/J-92/310)
PB92-227503/REB 92-04 PC **A03**/MF **A01**

NSF INTERNATIONAL, ANN ARBOR, MI.

Inorganic Chemical Characterization of Water Treatment Plant Residuals.
(EPA/600/R-92/117)
PB92-198563/REB 92-04 PC **A08**/MF **A02**

NSI, INC., RESEARCH TRIANGLE PARK, NC.

Host Resistance to 'Trichinella spiralis' Infection in Rats and Mice: Species-Dependent Effects of Cyclophosphamide Exposure.
(EPA/600/J-92/338)
PB92-233006/REB 92-04 PC **A03**/MF **A01**

NSI TECHNOLOGY SERVICES CORP., CORVALLIS, OR.

Slowing the Increase of Atmospheric Carbon Dioxide: A Biological Approach.
(EPA/600/J-92/035)
PB92-144070/REB 92-01 PC **A02**/MF **A01**

NSI TECHNOLOGY SERVICES CORP., CORVALLIS, OR. ENVIRONMENTAL RESEARCH LAB.

EPA/600/J-92/096
Interlaboratory Study of Cellular Fluorescence Intensity Measurements with Fluorescein-Labeled Microbead Standards.
PB92-153899/REB 92-01 PC **A03**/MF **A01**

Can Intensive Management Increase Carbon Storage in Forests.
(EPA/600/J-91/260)
PB92-113224/REB 92-01 PC **A02**/MF **A01**

Data User's Guide to the United States Environmental Protection Agency's Long-Term Monitoring Project: Quality Assurance Plan and Data Dictionary.
(EPA/600/3-91/072)
PB92-239573/REB 92-04 PC **A06**/MF **A02**

NSI TECHNOLOGY SERVICES CORP., RESEARCH TRIANGLE PARK, NC.

Evaluation of the Immunotoxicity of Orally Administered 2-Methoxyacetic Acid in Fischer 344 Rats.
(EPA/600/J-91/304)
PB92-124601/REB 92-01 PC **A03**/MF **A01**

Superfund Innovative Technology Evaluation: The Delaware SITE Study, 1989.
(EPA/600/3-91/071)
PB92-125749/REB 92-01 PC **A08**/MF **A02**

Reversibility of Tributyltin-Induced Toxicity In vitro as a Function of Concentration and Duration of Exposure (C X T).
(EPA/600/J-92/115)
PB92-164854/REB 92-01 PC **A03**/MF **A01**

Neuroendocrine Responses to Social Regulation of Puberty in the Female House Mouse.
(EPA/600/J-92/151)
PB92-179779/REB 92-01 PC **A03**/MF **A01**

Applications of a Neurobehavioral Screening Battery.
(EPA/600/J-92/152)
PB92-179787/REB 92-01 PC **A03**/MF **A01**

Efficient Multiple-Exposure Analysis of the Toxicity of Crisnatol: A DNA Intercalator in Phase 2 Clinical Trials.
(EPA/600/J-92/248)
PB92-206283/REB 92-04 PC **A03**/MF **A01**

Long-Path FTIR Measurements of Volatile Organic Compounds in an Industrial Setting (July 1989-April 1991).
(EPA/600/J-92/262)
PB92-206424/REB 92-04 PC **A02**/MF **A01**

Carcinogenic Risk of Non-Uniform Alpha Particle Irradiation in the Lungs: Radon Progeny Effects at Bronchial Bifurcations.
(EPA/600/J-92/313)
PB92-227545/REB 92-04 PC **A02**/MF **A01**

OAK RIDGE NATIONAL LAB., TN.

Zooplankton Population Dynamics in Experimentally Toxified Pond Ecosystems.
(EPA/600/J-92/079)
PB92-153352/REB 92-01 PC **A02**/MF **A01**

OAK RIDGE NATIONAL LAB., TN. ENVIRONMENTAL SCIENCES DIV.

ORNL/PUB-3695
Foliar Injury Symptoms and Pigment Concentrations in Red Spruce Saplings in the Southern Appalachians.
(EPA/600/J-91/259)
PB92-113216/REB 92-01 PC **A02**/MF **A01**

OFFICE OF RADIATION PROGRAMS, LAS VEGAS, NV.

EPA/520/6-91/020
Electric and Magnetic Fields Near AM Broadcast Towers.
PB92-101427/REB 92-01 PC **A05**/MF **A01**

OFFICE OF RADIATION PROGRAMS, WASHINGTON, DC.

EPA/400/R-92/001
Manual of Protective Action Guides and Protective Actions for Nuclear Incidents.
PB92-164763/REB 92-01 PC **A12**/MF **A03**

EPA/400/R-92/003
User's Guide for the SYSPOP Program: A PC Version of the PRESTO-EPA-POP Operation System. Version 1.0.
PB92-213255/REB 92-04 PC **A11**/MF **A03**

EPA/400/R-92/011
Technical Support Document for the 1992 Citizen's Guide to Radon.
PB92-218395/REB 92-04 PC **A08**/MF **A02**

EPA/402/F-92/001
National Radon Measurement Proficiency Program: Individual Proficiency Report.
PB92-169473/REB 92-04 PC **A06**/MF **A02**

EPA/402/R-92/004
Indoor Radon and Radon Decay Product Measurement Device Protocols.
PB92-206176/REB 92-04 PC **A06**/MF **A02**

EPA/520/5-88/017
Radiological Survey of the Norfolk Naval Station, the Norfolk Naval Shipyard, and Newport News Shipbuilding.
PB92-164730/REB 92-01 PC **A03**/MF **A01**

Implementing Protective Actions for Radiological Incidents at Other Than Nuclear Power Reactors. Proceedings of a Workshop. Held in Montgomery, Alabama on *September 25-26*, 1991.
PB92-192764/REB 92-01 PC **A05**/MF **A01**

OHIO STATE UNIV., COLUMBUS. DEPT. OF MICROBIOLOGY.

Hydrogenase-Linked Gene in 'Methanobacterium thermoautotrophicum' Strain *DeltaH Encodes a Polyferredoxin.*
(EPA/600/J-92/242)
PB92-206234/REB 92-04 PC **A02**/MF **A01**

OKLAHOMA CHRISTIAN UNIV. OF SCIENCE AND ARTS, OKLAHOMA CITY.

EPA/600/R-92/125
HVAC Systems in the Current Stock of U.S. K-12 Schools.
PB92-218338/REB 92-04 PC **A04**/MF **A01**

OKLAHOMA STATE UNIV., STILLWATER.

Regional Assessment of Aquifer Vulnerability and Sensitivity in the Conterminous United States.
(EPA/600/2-91/043)
PB92-100148/REB 92-01 PC **A15**/MF **A03**

OKLAHOMA UNIV., NORMAN.
Plant Tier Testing: A Workshop to Evaluate Nontarget Plant Testing in Subdivision J Pesticide Guidelines. Held in Corvallis, Oregon on November 29-December 1, 1990.
(EPA/600/9-91/041)
PB92-116052/REB 92-01 PC **A12**/MF **A03**

OREGON STATE UNIV., CORVALLIS.
Toward a Rule-Based Biome Model (Journal Article).
(EPA/600/J-92/328)
PB92-232909/REB 92-04 PC **A03**/MF **A01**

OREGON STATE UNIV., CORVALLIS. DEPT. OF BOTANY AND PLANT PHYSIOLOGY.
Pesticide Effects on Arthropod Natural Enemies: A Database Summary.
(EPA/600/D-91/226)
PB92-124163/REB 92-01 PC **A03**/MF **A01**

OREGON STATE UNIV., CORVALLIS. DEPT. OF ENTOMOLOGY.
SELCTV System Manual for SELCTV and REFER Databases and the SELCTV Data Management Program.
(EPA/600/8-91/207)
PB92-113455/REB 92-01 PC **A04**/MF **A01**

Natural Enemy Risk Assessment (NERISK) User's Manual.
(EPA/600/8-91/203, EPA/SW/DK-92/018A)
PB92-114990/REB 92-01 PC **A03**/MF **A01**

Toxicity, Selectivity and Sublethal Effects of Pesticides on Arthropod Natural Enemies: A Data-Base Summary.
(EPA/600/D-91/268)
PB92-124189/REB 92-01 PC **A03**/MF **A01**

NERISK: An Expert System to Enhance the Integration of Pesticides with Anthropod Biological Control.
(EPA/600/J-89/552)
PB92-124254/REB 92-01 PC **A02**/MF **A01**

OREGON STATE UNIV., CORVALLIS. DEPT. OF FOREST SCIENCE.
Oregon, USA, Ecological Regions and Subregions for Water Quality Management.
(EPA/600/J-92/169)
PB92-180348/REB 92-01 PC **A03**/MF **A01**

OREGON STATE UNIV., CORVALLIS. DEPT. OF GENERAL SCIENCE.
Evaluating the Utility of Natural Vegetation in Assessing Arctic Accumulation of Air Toxics.
(EPA/600/3-91/055)
PB92-103464/REB 92-01 PC **A08**/MF **A02**

OREGON STATE UNIV., CORVALLIS. DEPT. OF STATISTICS.
Improvement of Performance of Variable Probability Sampling Strategies.
(EPA/600/A-92/107)
PB92-180264/REB 92-01 PC **A02**/MF **A01**

Probability Sampling and Population Inference in Monitoring Programs.
(EPA/600/A-92/108)
PB92-180272/REB 92-01 PC **A03**/MF **A01**

OREGON UNIV., EUGENE. BUREAU OF GOVERNMENTAL RESEARCH AND SERVICE.
Solid Waste Contract Negotiation Handbook.
(EPA/220/B-92/004)
PB92-232172/REB 92-04 PC **A05**/MF **A01**

PACE LABS., INC., MINNEAPOLIS, MN.
Evaporation Rate of Volatile Liquids. Final Report, Second Edition.
(EPA/744/R-92/001)
PB92-232305/REB 92-04 PC **A09**/MF **A02**

PACIFIC ENVIRONMENTAL SERVICES, INC., DURHAM, NC.
Hazardous Air Pollutant Program (HAP-PRO). User's Manual (for Use with Version 1.0, January-September, 1990).
(EPA/SW/DK-92/025A)
PB92-135904/REB 92-01 PC **A04**/MF **A01**

Burning Tires for Fuel and Tire Pyrolysis: Air Implications.
(EPA/450/3-91/024)
PB92-145358/REB 92-01 PC **A11**/MF **A03**

User's Guide for the Industrial Source Complex (ISC2) Dispersion Models.
PB92-232446/REB 92-04 PC **E99**/MF **E99**

User's Guide for the Industrial Source Complex (ISC2) Dispersion Models. Volume 1. User Instructions.
(EPA/450/4-92/008A)
PB92-232453/REB 92-04 PC **A13**/MF **A03**

User's Guide for the Industrial Source Complex (ISC2) Dispersion Models. Volume 2: Description of Model Algorithms.
(EPA/450/4-92/008B)
PB92-232461/REB 92-04 PC **A05**/MF **A01**

User's Guide for the Industrial Source Complex (ISC2) Dispersion Models. Volume 3: Guide to Programmers.
(EPA/450/4-92/008C)
PB92-232479/REB 92-04 PC **A07**/MF **A02**

PACIFIC ENVIRONMENTAL SERVICES, INC., HERNDON, VA.
Total Hydrocarbon Emission Testing of Wastewater Sludge Incinerators. Volume 1.
(EPA/600/R-92/120A)
PB92-197086/REB 92-04 PC **A05**/MF **A01**

Total Hydrocarbon Emission Testing of Wastewater Sludge Incinerators. Volume 2. Appendices.
(EPA/600/R-92/120B)
PB92-197094/REB 92-04 PC **A16**/MF **A03**

PARIS-11 UNIV., CHATENAY-MALABRY (FRANCE). LAB. DE TOXICOLOGIE.
New Methods for the Assessment of Immunotoxicity of Chemical Substances.
(EPA/600/J-92/323)
PB92-232859/REB 92-04 PC **A02**/MF **A01**

PAS, INC., TROY, MI.
Application for Certification 1992 Model Year Light-Duty Trucks - PAS Inc.
(EPA/460/A-92/20)
PB92-122415/REB 92-01 PC **A05**/MF **A01**

PATHOLOGY ASSOCIATES, INC., WEST CHESTER, OH.
Comparative Subchronic Toxicity Studies of Three Disinfectants.
(EPA/600/J-92/122)
PB92-164920/REB 92-01 PC **A03**/MF **A01**

Hepatocarcinogenicity of Chloral Hydrate, 2-Chloroacetaldehyde, and Dichloroacetic Acid in the Male B6C3F1 Mouse.
(EPA/600/J-92/337)
PB92-232990/REB 92-04 PC **A03**/MF **A01**

PECHAN (E.H.) AND ASSOCIATES, INC., DURHAM, NC.
Research and Development Efforts to Develop Improved Inventory Methodologies for Area Source Solvent Emissions.
(EPA/600/D-91/277)
PB92-126846/REB 92-01 PC **A03**/MF **A01**

National Air Pollutant Emission Estimates 1940-1990.
(EPA/450/4-91/026)
PB92-152859/REB 92-01 PC **A05**/MF **A02**

Controlling Odorous Emissions from Iron Foundries.
(EPA/600/R-92/058)
PB92-166925/REB 92-01 PC **A03**/MF **A01**

Feasibility of Including Regional and Temporal VOC Emissions Estimates in the EPA Emissions Trends Report.
(EPA/450/4-91/005A)
PB92-216910/REB 92-04 PC **A04**/MF **A01**

PECHAN (E.H.) AND ASSOCIATES, INC., SPRINGFIELD, VA.
Technical Support Document to Aid States with the Development of Carbon Monoxide State Implementation Plans.
(EPA/452/R-92/003)
PB92-233055/REB 92-04 PC **A04**/MF **A01**

PEDCO-ENVIRONMENTAL, INC., CINCINNATI, OH.
Capsule Report: First Progress Report. Physical Coal-Cleaning Demonstration at Homer City, Pennsylvania.
(EPA/625/2-79/023)
PB92-179910/REB 92-01 PC **A03**/MF **A01**

PEER CONSULTANTS, INC., DAYTON, OH.
Material Recovery Facilities for Municipal Solid Waste.
(EPA/625/6-91/031)
PB92-137512/REB 92-01 PC **A08**/MF **A02**

PEI ASSOCIATES, INC., CINCINNATI, OH.
Degreaser System Pollution Prevention Evaluation.
(AFESC/ESL-TR-90-33)
AD-A242 110/5/REB 92-01 PC **A06**/MF **A02**

Superfund Engineering Issue: Issues Affecting the Applicability and Success of Remedial/Removal Incineration Projects.
(EPA/540/2-91/004)
PB92-109081/REB 92-01 PC **A03**/MF **A01**

PENNSYLVANIA DEPT. OF ENVIRONMENTAL RESOURCES, HARRISBURG. BUREAU OF SOIL AND WATER CONSERVATION.
Committed Obligated Expected Expenditures Plan (COEEP).
(CBP/TRS-69/92)
PB92-186469/REB 92-01 PC **A03**/MF **A01**

PENNSYLVANIA STATE UNIV., STATE COLLEGE. APPLIED RESEARCH LAB.
Optimal Adaptive Local Grid Refinement Approach to Modeling Contaminant Transport.
PB92-217314/REB 92-04 PC **A03**/MF **A01**

PENNSYLVANIA STATE UNIV., UNIVERSITY PARK. DEPT. OF METEOROLOGY.
Use of Four-Dimensional Data Assimilation in a Limited-Area Mesoscale Model Part 2: Effects of Data Assimilation within the Planetary Boundary Layer.
(EPA/600/J-92/100)
PB92-153923/REB 92-01 PC **A03**/MF **A01**

Use of Four-Dimensional Data Assimilation in a Limited-Area Mesoscale Model Part 2: Effects of Data Assimilation within the Planetary Boundary Layer.
(EPA/600/J-92/141)
PB92-166750/REB 92-01 PC **A03**/MF **A01**

PERKINS TECHNOLOGY LTD., PETERBOROUGH (ENGLAND).
Application for Certification 1992 Model Year Heavy-Duty Vehicles - Perkins.
(EPA/460/A-91/34)
PB92-122563/REB 92-01 PC **A10**/MF **A03**

PORSCHE CARS NORTH AMERICA, INC., RENO, NV.
Application for Certification 1992 Model Year Light-Duty Vehicles - Porsche.
(EPA/460/A-92/44)
PB92-182880/REB 92-04 PC **A99**/MF **A06**

PORTLAND UNIV., OR. DEPT. OF PHYSICAL AND LIFE SCIENCES.
Kinetic Properties of Malic Dehydrogenase from Three Cultivars of Rice.
(EPA/600/R-92/074)
PB92-178995/REB 92-01 PC **A03**/MF **A01**

PRC ENVIRONMENTAL MANAGEMENT, INC., CHICAGO, IL.
DuPont/Oberlin Microfiltration Technology. Applications Analysis Report.
(EPA/540/A5-90/007)
PB92-119023/REB 92-01 PC **A04**/MF **A01**

Technology Evaluation Report: SITE Program Demonstration of the DuPont/Oberlin Microfiltration Technology.
(EPA/540/5-90/007)
PB92-153410/REB 92-01 PC **A06**/MF **A02**

Horsehead Resource Development Company, Inc. Flame Reactor Technology: Applications Analysis Report.
(EPA/540/A5-91/005)
PB92-213214/REB 92-04 PC **A04**/MF **A01**

PRC ENVIRONMENTAL MANAGEMENT, INC., CINCINNATI, OH.
Technology Evaluation Report: The Carver-Greenfield Process, Dehydro-Tech Corporation.
(EPA/450/R-92/002)
PB92-217462/REB 92-04 PC **A11**/MF **A03**

PRC ENVIRONMENTAL MANAGEMENT, INC., HOUSTON, TX.
Technology Evaluation Report: SITE Program Demonstration Test Horsehead Resource Development Company, Inc., Flame Reactor Technology, Monaca, Pennsylvania.
(EPA/540/5-91/005)
PB92-205855/REB 92-04 PC **A07**/MF **A02**

PRC ENVIRONMENTAL MANAGEMENT, INC., MCLEAN, VA.
Compilation of Current Practices at Land Disposal Facilities: Summary of Liner and Leak Detection Designs, Action Leakage Rates, Response Action Plans, and Management of Liquids in Landfills.
(EPA/530/R-92/003)
PB92-128206/REB 92-01 PC **A08**/MF **A02**

Alternative Daily Cover Materials for Municipal Solid Waste Landfills.
(EPA/530/R-92/024)
PB92-208206/REB 92-04 PC **A03**/MF **A01**

PRINCETON UNIV., NJ. CENTER FOR ENERGY AND ENVIRONMENTAL STUDIES.
PU/CEES-246
Simplified Modeling of Air Flow Dynamics in SSD Radon Mitigation Systems for Residences with Gravel Beds.
(EPA/600/R-92/090)
PB92-195635/REB 92-01 PC **A05**/MF **A01**

Modeling Air Flow Dynamics in Radon Mitigation Systems: A Simplified Approach.
(EPA/600/J-91/318)
PB92-120427/REB 92-01 PC **A02**/MF **A01**

Natural Basement Ventilation as a Radon Mitigation Technique.
(EPA/600/R-92/059)
PB92-166958/REB 92-01 PC **A03**/MF **A01**

Effects of Natural and Forced Basement Ventilation on Radon Levels in Single Family Dwellings.
(EPA/600/R-92/102)
PB92-192194/REB 92-01 PC **A04**/MF **A01**

PRINCETON UNIV., NJ. CENTER FOR ENVIRONMENTAL STUDIES.
Effect of Natural Ventilation on Radon and Radon Progeny Levels in Houses.
(EPA/600/D-91/264)
PB92-124148/REB 92-01 PC **A03**/MF **A01**

PRINCETON UNIV., NJ. DEPT. OF CIVIL ENGINEERING.
Land-Surface Hydrology Parameterization with Subgrid Variability for General Circulation Models.
(EPA/600/J-92/288)
PB92-217447/REB 92-04 PC **A03**/MF **A01**

PRINCETON UNIV., NJ. DEPT. OF CIVIL ENGINEERING AND OPERATIONS RESEARCH.
Multiphase Chemical Transport in Porous Media.
(EPA/600/S-92/002)
PB92-205640/REB 92-04 PC **A03**/MF **A01**

PTI ENVIRONMENTAL SERVICES, BELLEVUE, WA.
Puget Sound Pesticide Reconnaissance Survey, 1990.
(EPA/910/9-91/020)
PB92-104504/REB 92-01 PC **A06**/MF **A02**

Sunken Vessels and Aircraft Containing Hazardous Materials in Puget Sound.
(EPA/910/9-91/021)
PB92-104512/REB 92-01 PC **A07**/MF **A02**

Chemical Contamination of Harbor Seal Pups in Puget Sound. Puget Sound Estuary Program.
(EPA/910/9-91/032)
PB92-132778/REB 92-01 PC **A06**/MF **A02**

Dioxin and Furan Concentrations in Puget Sound Crabs. Puget Sound Estuary Program.
(EPA/910/9-91/040)
PB92-132786/REB 92-01 PC **A05**/MF **A01**

Project Manager's Guide to Requesting and Evaluating Chemical Analyses. Puget Sound Estuary Program.
(EPA/910/9-90/024)
PB92-132794/REB 92-01 PC **A08**/MF **A02**

Neanthes Long-Term Exposure Experiment: Further Evaluation of the Relationship between Juvenile Growth and Reproductive Success.
(EPA/910/9-91/026)
PB92-166891/REB 92-01 PC **A03**/MF **A01**

Reference Area Performance Standards for Puget Sound.
(EPA/910/9-91/041)
PB92-166917/REB 92-01 PC **A08**/MF **A02**

PURDUE UNIV., LAFAYETTE, IN. RAY W. HERRICK LABS.
Design and Optimization of a Refrigeration System.
(EPA/600/A-92/135)
PB92-195973/REB 92-01 PC **A03**/MF **A01**

QUEEN'S UNIV., KINGSTON (ONTARIO). DEPT. OF BIOLOGY.
Diatoms: Powerful Indicators of Environmental Change.
(EPA/600/J-92/174)
PB92-180397/REB 92-01 PC **A03**/MF **A01**

Assessing Trends in Fishery Resources and Lake Water Aluminum from Paleolimnological Analyses of Siliceous Algae.
(EPA/600/J-92/175)
PB92-180405/REB 92-01 PC **A03**/MF **A01**

QUEEN'S UNIV., KINGSTON (ONTARIO). PALEOECOLOGICAL ENVIRONMENTAL ASSESSMENT AND RESEARCH LAB.
How Much Acidification Has Occurred in Adirondack Region Lakes (New York, USA) since Preindustrial Times.
(EPA/600/J-92/172)
PB92-180371/REB 92-01 PC **A03**/MF **A01**

RADIAN CORP., AUSTIN, TX.
DCN-91-203-099-26-15
NATICH Data Base Report on State, Local and EPA Air Toxics Activities, September 1991.
(EPA/450/3-91/018)
PB92-143700/REB 92-01 PC **A99**/MF **A06**

Manual for Non-CFC Aerosol Packaging: Conversion from CFC to Hydrocarbon Propellants.
(EPA/600/2-91/056)
PB92-101344/REB 92-01 PC **A10**/MF **A03**

Air/Superfund National Technical Guidance Study Series: Estimation of Air Impacts for Soil Vapor Extraction (SVE) Systems.
(EPA/450/1-92/001)
PB92-143676/REB 92-01 PC **A03**/MF **A01**

Sulfur Oxides Control Technology Series: Flue Gas Desulfurization. Dual Alkali Process.
(EPA/625/8-80/004)
PB92-150341/REB 92-01 PC **A03**/MF **A01**

Sulfur Oxides Control Technology Series: Flue Gas Desulfurization: Spray Dryer Process.
(EPA/625/8-82/009)
PB92-150358/REB 92-01 PC **A03**/MF **A01**

Fine Pore (Fine Bubble) Aeration Systems.
(EPA/625/8-85/010)
PB92-150366/REB 92-01 PC **A04**/MF **A01**

Air Superfund National Technical Guidance Study Series. Estimation of Air Impacts for the Excavation of Contaminated Soil.
(EPA/450/1-92/004)
PB92-171925/REB 92-01 PC **A04**/MF **A01**

Air Emissions from the Treatment of Soils Contaminated with Petroleum Fuels and Other Substances.
(EPA/600/R-92/124)
PB92-212976/REB 92-04 PC **A12**/MF **A03**

RADIAN CORP., RESEARCH TRIANGLE PARK, NC.
DCN-91-203-099-37-06
National Air Toxics Information Clearinghouse: Bibliography of Selected Reports and Federal Register Notices Related to Air Toxics. Volume 5. Citations, 1991.
(EPA/450/3-91/016)
PB92-111830/REB 92-01 PC **A10**/MF **A03**

DCN-91-203-099-37-07
National Air Toxics Information Clearinghouse: Ongoing Research and Regulatory Development Projects.
(EPA/450/3-91/015)
PB92-111905/REB 92-01 PC **A10**/MF **A03**

DCN-91-203-099-37-08
National Air Toxics Information Clearinghouse: Bibliography of Selected Reports and Federal Register Notices Related to Air Toxics. Index, 1991.
(EPA/450/3-91/017)
PB92-111913/REB 92-01 PC **A21**/MF **A04**

Analysis of Factors Affecting Methane Gas Recovery from Six Landfills.
(EPA/600/2-91/055)
PB92-101351/REB 92-01 PC **A13**/MF **A03**

Volatile Organic Compound (VOC) and Particulate Matter (PM) Speciation Data System User's Manual, Version 1.4.
(EPA/450/4-91/027, EPA/SW/DK-92/016A)
PB92-105527/REB 92-01 PC **A04**/MF **A01**

Screening Methods for the Development of Air Toxics Emission Factors.
(EPA/450/4-91/021)
PB92-108778/REB 92-01 PC **A20**/MF **A04**

Urban Air Toxics Monitoring Program, 1990.
(EPA/450/4-91/024)
PB92-110022/REB 92-01 PC **A13**/MF **A03**

Urban Air Toxics Monitoring Program Carbonyl Results, 1990.
(EPA/450/4-91/025)
PB92-110030/REB 92-01 PC **A07**/MF **A02**

Emission Inventory Requirements for Carbon Monoxide State Implementation Plans, 1991.
(EPA/450/4-91/011)
PB92-112150/REB 92-01 PC **A05**/MF **A01**

Example Emission Inventory Documentation for Post-1987 Ozone State Implementation Plans (SIPs).
(EPA/450/4-89/018)
PB92-112176/REB 92-01 PC **A18**/MF **A04**

Emission Inventory Requirements for Ozone State Implementation Plans.
(EPA/450/4-91/010)
PB92-118017/REB 92-01 PC **A06**/MF **A02**

Locating and Estimating Air Emissions from Sources of Styrene, Interim Report.
(EPA/450/4-91/029)
PB92-126788/REB 92-01 PC **A08**/MF **A02**

QAQPS Control Cost Manual (Fourth Edition). Supplement 1.
(EPA/450/3-90/006A)
PB92-137181/REB 92-01 PC **A05**/MF **A01**

Enhanced Ozone Monitoring Network Design and Siting Criteria Guidance Document.
(EPA/450/4-91/033)
PB92-145390/REB 92-01 PC **A04**/MF **A01**

Crosswalk/Air Toxic Emission Factor Data Base Management System User's Manual, Version 1.2.
(EPA/450/2-91/028, EPA/SW/DK-92/030A)
PB92-145556/REB 92-01 PC **A11**/MF **A03**

Development of an Empirical Model of Methane Emissions from Landfills.
(EPA/600/R-92/037)
PB92-152875/REB 92-01 PC **A06**/MF **A02**

Evaluation of NOx Emissions from TVA Coal-Fired Power Plants.
(EPA/600/A-92/066)
PB92-164813/REB 92-01 PC **A03**/MF **A01**

Evaluation of VOST and SemiVOST Methods for Halogenated Compounds in the Clean Air Act Amendments Title III, Bench and Laboratory Studies.
(EPA/600/R-92/071)
PB92-178979/REB 92-01 PC **A03**/MF **A01**

Oil and Gas Field Emissions Survey.
(EPA/600/R-92/083)
PB92-184977/REB 92-01 PC **A14**/MF **A03**

Parametric Evaluation of Powdered Activated Carbon Injection for Control of Mercury Emissions from a Municipal Waste Combustor.
(EPA/600/A-92/132)
PB92-195940/REB 92-01 PC **A03**/MF **A01**

Characterization of Condensible and Semivolatile Organic Materials from Boise Woodstove Samples.
(EPA/600/A-92/160)
PB92-206606/REB 92-04 PC **A03**/MF **A01**

Quality Review Guidelines for 1990 Base Year Emission Inventories.
(EPA/454/R-92/007)
PB92-224435/REB 92-04 PC **A12**/MF **A03**

RANGE ROVER OF NORTH AMERICA, INC., LANHAM, MD.
Application for Certification 1991 Model Year Light-Duty Vehicles - Range Rover.
(EPA/460/A-91/24)
PB92-126081/REB 92-01 PC **A07**/MF **A02**

RESEARCH AND EVALUATION ASSOCIATES, INC., CHAPEL HILL, NC.
Acid Aerosol Measurement Intercomparison Workshop. Held in Research Triangle Park, North Carolina on April 10-11, 1991.
(EPA/600/R-92/107)
PB92-191097/REB 92-01 PC **A15**/MF **A03**

RESEARCH-COTTRELL, INC., SOMERVILLE, NJ.
Capsule Report: Bahco Flue Gas Desulfurization and Particulate Removal System.
(EPA/625/2-79/022)
PB92-179902/REB 92-01 PC **A03**/MF **A01**

RESEARCH TRIANGLE INST., RESEARCH TRIANGLE PARK, NC.
RTI/5100/17-01F
National Home and Garden Pesticide Use Survey. Final Report. Volume 1. Executive Summary, Results, and Recommendations.
(EPA/540/09-92/191)
PB92-174747/REB 92-01 PC **A16**/MF **A03**

RTI/5100/17-02F
National Home and Garden Pesticide Use Survey. Final Report. Volume 2. Survey Design, Implementation, and Analysis Methods.
(EPA/540/09-92/192)
PB92-174754/REB 92-01 PC **A07**/MF **A02**

RTI/5100/17-03F
National Home and Garden Pesticide Use Survey Final Report. Executive Summary.
(EPA/540/09-92/190)
PB92-174739/REB 92-01 PC **A03**/MF **A01**

Summary of the 1991 EPA/AWMA International Symposium: Measurement of Toxic and Related Air Pollutants. Held in Durham, North Carolina on May 6-10, 1991.
(EPA/600/D-91/241)
PB92-110386/REB 92-01 PC **A03**/MF **A01**

Standard Operating Procedures for Lead in Paint by Hotplate - or Microwave-Based Acid Digestions and Atomic Absorption or Inductively Coupled Plasma Emission Spectrometry.
(EPA/600/8-91/213)
PB92-114172/REB 92-01 PC **A03**/MF **A01**

Standard Operating Procedures for Measurement of Lead in Paint Using the SCITEC MAP-3 X-ray Fluorescence Spectrometer.
(EPA/600/8-91/214)
PB92-114180/REB 92-01 PC **A04**/MF **A01**

Modeling Wave Form Effects in ESPs: The Algorithm in ESPM and ESPVI.
(EPA/600/D-91/258)
PB92-121243/REB 92-01 PC **A03**/MF **A01**

Reclamation and Redevelopment of Contaminated Land. Volume 2. European Case Studies.
(EPA/600/R-92/031)
PB92-146166/REB 92-01 PC **A13**/MF **A03**

National Home and Garden Pesticide Use Survey.
PB92-174721/REB 92-01 PC **E99**/MF **E99**

Fuzzy Logic Control of AC Induction Motors.
(EPA/600/A-92/101)
PB92-180207/REB 92-01 PC **A02**/MF **A01**

Background Document for the Liquid Release Test: Single Laboratory Evaluation and 1988 Collaborative Study.
(EPA/530/SW-91/079)
PB92-183201/REB 92-04 PC **A06**/MF **A02**

Stability of Air Toxic Gases Listed in Title III Clean Air Act Amendments.
(EPA/600/A-92/115)
PB92-188812/REB 92-01 PC **A03**/MF **A01**

Using a Flame Ionization Detector (FID) Continuously Measure Toxic Organic Vapors in a Paint Spray Booth.
(EPA/600/A-92/145)
PB92-198258/REB 92-01 PC **A03**/MF **A01**

Surface-Coating-Free Materials and Reduction of VOC Emissions from Coating Operations.
(EPA/600/A-92/161)
PB92-206614/REB 92-04 PC **A03**/MF **A01**

Summary Report for the National Atmospheric Deposition Program/National Trends Network (NADP/NTN) Site Visitation Program for the Period October 1989 through September 1990.
(EPA/600/R-92/151)
PB92-217298/REB 92-04 PC **A05**/MF **A01**

Summary Report for the National Atmospheric Deposition Program National Trends Network (NADP/NTN) Site Visitation Program.
(EPA/600/R-92/152)
PB92-219823/REB 92-04 PC **A06**/MF **A02**

RESEARCH TRIANGLE INST., RESEARCH TRIANGLE PARK, NC. CENTER FOR AEROSOL TECHNOLOGY.
ESP VI 4.0 Electrostatic Precipitator VI and Performance Prediction Model.
(EPA/SW/DK-92/044, EPA/600/R-92/104A)
PB92-169614/REB 92-04 PC **A05**/MF **A01**

RESEARCH TRIANGLE INST., RESEARCH TRIANGLE PARK, NC. CENTER FOR ENVIRONMENTAL MEASUREMENTS AND QUALITY ASSURANCE.
Performance of Automated Ambient SO2 Analyzers with Respect to a Proposed 5-Minute Ambient Air Quality Standard.
(EPA/600/A-92/126)
PB92-192178/REB 92-01 PC **A03**/MF **A01**

RICE UNIV., HOUSTON, TX.
EPA/600/A-92/076
Reductive Dechlorination of Trichloroethylene in Anoxic Aquifer Material from Picatinny Arsenal, New Jersey.
PB92-179019/REB 92-01 PC **A02**/MF **A01**

Biotransformation of CIS-1,2-Dichloroethylene in Aquifer Material from Picatinny Arsenal, Morris County, New Jersey.
(EPA/600/A-92/085)
PB92-179100/REB 92-01 PC **A03**/MF **A01**

ROBERT S. KERR ENVIRONMENTAL RESEARCH LAB., ADA, OK.
EPA/540/S-92/004
Evaluation of Soil Venting Application. Ground Water Issue.
PB92-232362/REB 92-04 PC **A02**/MF **A01**

EPA/540/S-92/005
Fundamentals of Ground-Water Modeling. Ground Water Issue.
PB92-232354/REB 92-04 PC **A03**/MF **A01**

EPA/600/A-92/068
Stability and Transport of Inorganic Colloids through Contaminated Aquifer Material.
PB92-164839/REB 92-01 PC **A02**/MF **A01**

EPA/600/A-92/080
Column Studies on BTEX Biodegradation under Microaerophilic and Denitrifying Conditions.
PB92-179050/REB 92-01 PC **A03**/MF **A01**

EPA/600/A-92/084
Distribution, Speciation, and Transformation of Chromium in Contaminated Soils and Aquifer Sediments.
PB92-179092/REB 92-01 PC **A02**/MF **A01**

EPA/600/A-92/086
Modeling Contaminant Transport through Subsurface Systems.
PB92-179118/REB 92-01 PC **A03**/MF **A01**

EPA/600/A-92/117
Surfactant-Enhanced Solubilization of Tetrachloroethylene and Degradation Products in Pump and Treat Remediation.
PB92-191121/REB 92-01 PC **A03**/MF **A01**

EPA/600/A-92/118
Surface-Charge Repulsive Effects on the Mobility of Inorganic Colloids in Surface Systems. Annual Colloid and Surface Science Symposium (65th). Held in Norman, Oklahoma on June 17-19, 1991.
PB92-191139/REB 92-01 PC **A03**/MF **A01**

EPA/600/A-92/119
Exposure Assessment Modeling for Hydrocarbon Spills into the Subsurface: Sensitivity to Soil Properties.
PB92-191147/REB 92-01 PC **A03**/MF **A01**

EPA/600/A-92/142
Landfill Leachate Effects on Transport of Organic Substances in Aquifer Materials (Chapter 16).
PB92-198225/REB 92-04 PC **A03**/MF **A01**

EPA/600/D-91/256
Laboratory and Field Studies on BTEX Biodegradation in a Fuel-Contaminated Aquifer under Denitrifying Conditions.
PB92-121227/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-91/241
Effect of Nitrate Addition on Biorestoration of Fuel-Contaminated Aquifer: Field Demonstration.
PB92-110444/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-91/251
Biodegradation of Monoaromatic Hydrocarbons by Aquifer Microorganisms Using Oxygen, Nitrate, or Nitrous Oxide as the Terminal Electron Acceptor.
PB92-110543/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-91/288
Optimizing BTEX Biodegradation under Denitrifying Conditions.
PB92-124262/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/026
Effects of pH, Solid/Solution Ratio, Ionic Strength, and Organic Acids on Pb and Cd Sorption on Kaolinite.
PB92-143981/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-92/030
Control of Aromatic Waste Air Streams by Soil Bioreactors.
PB92-144021/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-92/113
Transport of Inorganic Colloids through Natural Aquifer Material: Implications for Contaminant Transport.
PB92-158690/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-92/235
Landfill Leachate Effects on Sorption of Organic Micropollutants onto Aquifer Materials.
PB92-198597/REB 92-04 PC **A03**/MF **A01**

EPA/600/J-92/266
Stimulation of Reductive Dechlorination of Tetrachloroethene in Anaerobic Aquifer Microcosms by Addition of Short-Chain Organic Acids or Alcohols.
PB92-206465/REB 92-04 PC **A01**/MF **A01**

EPA/600/J-92/307
Metals in Ground Water: Sampling Artifacts and Reproducibility.
PB92-227479/REB 92-04 PC **A03**/MF **A01**

EPA/600/J-92/308
Acquisition of Representative Ground Water Quality Samples for Metals.
PB92-227487/REB 92-04 PC **A03**/MF **A01**

EPA/600/M-91/040
Facilitated Transport of Inorganic Contaminants in Ground Water: Part 2. Colloidal Transport.
PB92-114503/REB 92-01 PC **A03**/MF **A01**

EPA/600/R-92/002
General Methods for Remedial Operations Performance Evaluations.
PB92-166842/REB 92-01 PC **A03**/MF **A01**

EPA/600/R-92/030
Dense Nonaqueous Phase Liquids: A Workshop Summary. Held in Dallas, Texas on April 16-18, 1991.
PB92-178938/REB 92-01 PC **A05**/MF **A01**

Bioventing to Treat Fuel Spills from Underground Storage Tanks.
(EPA/600/J-91/277)
PB92-121342/REB 92-01 PC **A02**/MF **A01**

RETC Code for Quantifying the Hydraulic Functions of Unsaturated Soils (for Microcomputers).
(EPA/SW/DK-92/038)
PB92-501329/REB 92-01 CP **D02**

ROCOM, MONTCLAIR, NJ.
Prediction of the Solubility of Hydrophobic Compounds in Nonideal Solvent Mixtures.
(EPA/600/J-92/027)
PB92-143999/REB 92-01 PC **A03**/MF **A01**

ROGERS AND ASSOCIATES ENGINEERING CORP., SALT LAKE CITY, UT.
Recommended Foundation Fill Materials Construction Standard of the Florida Radon Research Program.
(EPA/600/8-91/206)
PB92-105865/REB 92-01 PC **A03**/MF **A01**

Proceedings of the Workshop on Radon Potential Mapping, Florida Radon Research Program. Held in Gainesville, Florida on April 20, 1990.
(EPA/600/9-91/044)
PB92-115278/REB 92-01 PC **A04**/MF **A01**

ROLLS ROYCE MOTORS, INC., LYNDHURST, NJ.
Application for Certification 1992 Model Year Light-Duty Vehicles - Rolls Royce.
(EPA/460/A-92/21)
PB92-122423/REB 92-01 PC **A99**/MF **A06**

SAAB CARS USA, INC., ORANGE, CT.
Application for Certification 1992 Model Year Light-Duty Vehicles - Saab Cars USA, Inc.
(EPA/460/A-92/45)
PB92-182898/REB 92-04 PC **A19**/MF **A04**

SANTA MONICA OFFICE OF THE CITY ENGINEER, CA.
Ozone Disinfection and Treatment of Urban Storm Drain Dry-Weather Flows: A Pilot Treatment Plant Demonstration Project on the Kenter Canyon Storm Drain System in Santa Monica.
PB92-239268/REB 92-04 PC **A06**/MF **A02**

SCIENCE APPLICATIONS INTERNATIONAL CORP., CINCINNATI, OH.
EPA/540/R-92/016B
Guide for Conducting Treatability Studies under CERCLA: Solvent Extraction Quick Reference Fact Sheet.
PB92-239599/REB 92-04 PC **A02**/MF **A01**

Waste Minimization Opportunity Assessment: Scott Air Force Base.
(EPA/600/2-91/054)
PB92-105402/REB 92-01 PC **A06**/MF **A02**

Guide for Conducting Treatability Studies under CERCLA: Aerobic Biodegradation Remedy Screening. Interim Guidance.
(EPA/540/2-91/013A)
PB92-109065/REB 92-01 PC **A03**/MF **A01**

Guide for Conducting Treatability Studies under CERCLA: Aerobic Biodegradation Remedy Screening.
(EPA/540/2-91/013B)
PB92-109073/REB 92-01 PC **A02**/MF **A01**

Proceedings of International Workshop on Research in Pesticide Treatment/Disposal/Waste Minimization. Held in Cincinnati, Ohio on February 26-27, 1991.
(EPA/600/9-91/047)
PB92-119940/REB 92-01 PC **A10**/MF **A03**

Achievements in Source Reduction and Recycling for Ten Industries in the United States.
(EPA/600/2-91/051)
PB92-137470/REB 92-01 PC **A04**/MF **A01**

Guide for Conducting Treatability Studies under CERCLA: Soil Washing. Interim Guidance.
(EPA/540/2-91/020A)
PB92-170570/REB 92-01 PC **A03**/MF **A01**

Guide for Conducting Treatability Studies under CERCLA: Soil Washing: Quick Reference Fact Sheet.
(EPA/540/2-91/020B)
PB92-170588/REB 92-01 PC **A02**/MF **A01**

Technology Evaluation Report: Babcock and Wilcox Cyclone Furnace Vitrification Technology. Volume 1.
(EPA/540/R-92/017A)
PB92-222215/REB 92-04 PC **A06**/MF **A02**

Technology Evaluation Report: Babcock and Wilcox Cyclone Furnace Vitrification Technology. Volume 2.
(EPA/650/R-92/017B)
PB92-222223/REB 92-04 PC **A15**/MF **A03**

Supercritical Water Oxidation: Engineering Bulletin.
(EPA/540/S-92/006)
PB92-224068/REB 92-04 PC **A02**/MF **A01**

Pollution Prevention Opportunity Assessment Histology Laboratory Xylene Use, Fort Carson, Colorado.
(EPA/600/R-92/187)
PB92-228436/REB 92-04 PC **A05**/MF **A01**

Guide for Conducting Treatability Studies under CERCLA Solvent Extraction. Interim Guidance.
(EPA/540/R-92/016A)
PB92-239581/REB 92-04 PC **A03**/MF **A01**

SCIENCE APPLICATIONS INTERNATIONAL CORP., FALLS CHURCH, VA.
Running a Conference as a Clean Product. International Conference on Pollution Prevention: Clean Technologies and Clean Products. Held in Washington, DC. on June 10-13, 1990.
(EPA/600/2-91/026)
PB92-109099/REB 92-01 PC **A03**/MF **A01**

Mining Sites on the National Priorities List: NPL Site Summary Reports.
PB92-124759/REB 92-01 PC **E99**

Mining Sites on the National Priorities List: NPL Site Summary Reports. Volume 1 (Aluminum Company of America (Vancouver Smelter) to Cleveland Mill).
(EPA/530/SW-91/065A)
PB92-124767/REB 92-01 PC **A99**

Mining Sites on the National Priorities List: NPL Site Summary Reports. Volume 2 (Commencement Bay Nearshore/Tideflats to Kerr McGee) (Kress Creek, Reed-Keppler Park, Residential Areas, Sewage Treatment Plant).
(EPA/530/SW-91/065B)
PB92-124775/REB 92-01 PC **A99**

Mining Sites on the National Priorities List: NPL Site Summary Reports. Volume 3 (Kerr-McGee Chemical Corp. (Soda Springs Plant) to Ormet Corp).
(EPA/530/SW-91/065C)
PB92-124783/REB 92-01 PC **A99**

Mining Sites on the National Priorities List: NPL Site Summary Reports. Volume 4 (Oronogo-Duenweg Mining Belt to Tar Creek).
(EPA/530/SW-91/065D)
PB92-124791/REB 92-01 PC **A99**

Mining Sites on the National Priorities List: NPL Site Summary Reports. Volume 5 (Teledyne Wah Chang to Wayne Interim Storage Facility/W.R. Grace).
(EPA/530/SW-91/065E)
PB92-124809/REB 92-01 PC **A99**

SCIENCE APPLICATIONS INTERNATIONAL CORP., FORT WASHINGTON, PA.
Arsenic and Mercury Workshop on Removal, Recovery, Treatment and Disposal. Abstract Proceedings. Held in Alexandria, Virginia on August 17-20, 1992.
(EPA/600/R-92/105)
PB92-216944/REB 92-04 PC **A07**/MF **A02**

SCIENCE APPLICATIONS INTERNATIONAL CORP., MCLEAN, VA.
Technology Evaluation Report: Biotrol Soil Washing System for Treatment of a Wood Preserving Site.
PB92-115302/REB 92-01 PC **E99**/MF **E99**

Technology Evaluation Report: Biotrol Soil Washing System for Treatment of a Wood Preserving Site. Volume 1.
(EPA/540/5-91/003A)
PB92-115310/REB 92-01 PC **A13**/MF **A03**

Technology Evaluation Report: Biotrol Soil Washing System for Treatment of a Wood Preserving Site. Volume 2, Part A.
(EPA/540/5-91/003B)
PB92-115328/REB 92-01 PC **A17**/MF **A04**

Technology Evaluation Report: Biotrol Soil Washing System for Treatment of a Wood Preserving Site. Volume 2, Part B.
(EPA/540/5-91/003C)
PB92-115336/REB 92-01 PC **A15**/MF **A03**

SCIENCE APPLICATIONS INTERNATIONAL CORP., NARRAGANSETT, RI.
Interactive Effects of Aldrin, Cyclohexylamine, 2,4-Diaminotoluene and Two Phorbol Esters on Metabolic Cooperation between V79 Cells.
(EPA/600/J-91/233, ERLN-1217)
PB92-108026/REB 92-01 PC **A02**/MF **A01**

Increased Reproduction by Mysids ('Mysidopsis bahia') Fed with Enriched 'Artemia' spp. Nauplii.
(EPA/600/J-91/234, ERLN-X136)
PB92-108034/REB 92-01 PC **A02**/MF **A01**

Effects of a Contaminated Sediment on Life History Traits and Population Growth Rate of 'Neanthes Arenaceodentata' (Polychaeta: Nereidae) in the Laboratory.
(EPA/600/J-91/236, ERLN-1084)
PB92-108059/REB 92-01 PC **A03**/MF **A01**

SCIENCE APPLICATIONS INTERNATIONAL CORP., PARAMUS, NJ.
Industrial Pollution Prevention Opportunities for the 1990s.
(EPA/600/8-91/052)
PB91-220376/REB 92-01 PC **A04**/MF **A01**

Biological Treatment of Wood Preserving Site Groundwater by BioTrol, Inc. Applications Analysis Report.
(EPA/540/A5-91/001)
PB91-227983/REB 92-01 PC **A04**/MF **A01**

Technology Evaluation Report: Biological Treatment of Wood Preserving Site Groundwater by Biotrol, Inc.
(EPA/540/5-91/001)
PB92-110048/REB 92-01 PC **A06**/MF **A02**

BioTrol Soil Washing System for Treatment of a Wood Preserving Site: Applications Analysis Report.
(EPA/540/A5-91/003)
PB92-115245/REB 92-01 PC **A04**/MF **A01**

SCIENCE APPLICATIONS INTERNATIONAL CORP., SAN DIEGO, CA.
Technology Evaluation Report of Retech, Inc., Plasma Centrifugal Furnace. Volume 1.
(EPA/540/5-91/007A)
PB92-216035/REB 92-04 PC **A09**/MF **A02**

Technology Evaluation Report of Retech, Inc., Plasma Centrifugal Furnace. Volume 2.
(EPA/540/5-91/007B)
PB92-216043/REB 92-04 PC **A15**/MF **A03**

Retech, Inc., Plasma Centrifugal Furnace: Applications Analysis Report.
(EPA/540/A5-91/007)
PB92-218791/REB 92-04 PC **A04**/MF **A01**

Chemical Oil Spill Dispersants: Evaluation of Three Laboratory Procedures for Estimating Performance.
(EPA/600/R-92/177)
PB92-222041/REB 92-04 PC **A09**/MF **A03**

Chemical Oil Spill Dispersants: Update State-of-the-Art on Mechanisms of Action and Factors Influencing Performance with Emphasis on Laboratory Studies.
(EPA/600/R-92/176)
PB92-222207/REB 92-04 PC **A05**/MF **A01**

SOUTH CAROLINA STATE DEPT. OF HEALTH AND ENVIRONMENTAL CONTROL, COLUMBIA.
Abstracts of Selected Precious Metal Mines' Permits.
(EPA/530/R-92/009)
PB92-180090/REB 92-01 PC **A21**/MF **A04**

SOUTH DAKOTA SCHOOL OF MINES AND TECHNOLOGY, RAPID CITY.
Development of a Solid Sample Analytical Procedure for Cyanide in Spent Ore. Final Technical Report.
(EPA/530/R-92/006)
PB92-203496/REB 92-04 PC **A11**/MF **A03**

SOUTHERN RESEARCH INST., BIRMINGHAM, AL.
SRI-ENV-91-526-6411-083-VOL-1
Development of Alternate Performance Standard for Radon Resistant Construction Based on Short-Term/ Long-Term Indoor Radon Concentrations. Volume 1. Technical Report.
(EPA/600/8-91/210A)
PB92-115211/REB 92-01 PC **A05**/MF **A01**

SRI-ENV-91-526-6411-083-VOL-2
Development of Alternate Performance Standard for Radon Resistant Construction Based on Short-Term/ Long-Term Indoor Radon Concentrations. Volume 2. Appendices.
(EPA/600/8-91/210B)
PB92-115229/REB 92-01 PC **A04**/MF **A01**

Standard Measurement Protocols: Florida Radon Research Program.
(EPA/600/8-91/212)
PB92-115294/REB 92-01 PC **A06**/MF **A02**

Data Logging Systems for Monitoring Long-Term Radon Mitigation Experimental Programs in Schools and Other Large Buildings.
(EPA/600/A-92/158)
PB92-206580/REB 92-04 PC **A03**/MF **A01**

SOUTHERN RESEARCH INST., BIRMINGHAM, AL. ENVIRONMENTAL SCIENCES DEPT.
SRI-ENV-88-1076
Measurement and Prediction of the Resistivity of Ash/ Sorbent Mixtures Produced by Sulfur Oxide Control Processes.
(EPA/600/7-91/009)
PB92-126812/REB 92-01 PC **A04**/MF **A01**

SOUTHWEST RESEARCH INST., SAN ANTONIO, TX.
Exposure and Release Estimations for Filter Press and Tray Dryer Operations Based on Pilot Plant Data.
(EPA/600/R-92/039)
PB92-158450/REB 92-01 PC **A14**/MF **A03**

SOUTHWEST TEXAS STATE UNIV., SAN MARCOS. DEPT. OF CHEMISTRY.
Chemical Resistance of Geosynthetic Materials.
(EPA/600/J-92/008)
PB92-136928/REB 92-01 PC **A03**/MF **A01**

Evaluation of the Chemical Resistance of Geotextiles, Geonet and Pipe.
(EPA/600/R-92/069)
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Asia Pacific Cleaner Production Conference: Cooperative *Approaches in Minimising Hazardous Wastes. Held in Melbourne, Australia on February 24-27, 1992.*
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Proceedings: 1989 International Conference on Municipal Waste Combustion. Volume 2. Sessions 4, 5, and 6. Held in Hollywood, Florida on April 11-14, 1989.
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Proceedings: 1989 International Conference on Municipal Waste Combustion. Volume 3. Sessions 7 and 8. Held in Hollywood, Florida, on April 11-14, 1989.
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Proceedings: 1989 International Conference on Municipal Waste Combustion. Volume 4. Sessions 9, 10, 11, and 12. Held in Hollywood, Florida on April 11-14, 1989.
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BROWN, M.
Quality Assurance Project Plan: Tampa, Florida Wetlands Study.
PB92-122761/REB 92-01 PC **A11**/MF **A03**

BROWN, M. T.
Evaluating Created Wetlands through Comparisons with Natural Wetlands.
PB92-111566/REB 92-01 PC **A03**/MF **A01**

BROWN, R.
Methodology for Assessing Environmental Releases of and Exposure to Municipal Solid Waste Combustor Residuals.
PB92-109149/REB 92-01 PC **A07**/MF **A02**

BROWN, W. L.
Measurement of the Biotransfer and Time Constant of Radon from Ingested Water by Human Breath Analysis.
PB92-189026/REB 92-01 PC **A03**/MF **A01**

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Adsorption of Surfactants (Chapter 7).
PB92-143809/REB 92-01 PC **A03**/MF **A01**

BROWNLEE, J. A.
Asbestos Concentrations Two Years After Abatement in Seventeen Schools.
PB92-158476/REB 92-01 PC **A03**/MF **A01**

BRUCE, K. R.
Role of Gas-Phase Cl2 in the Formation of PCDD/PCDF during Waste Combustion.
PB92-121383/REB 92-01 PC **A02**/MF **A01**

Sorbent/Urea Slurry Injection for Simultaneous SO2/NOx *Removal.*
PB92-195817/REB 92-01 PC **A02**/MF **A01**

BRUEHL, C. H.
Current and Future Environmental Role of Atmospheric Methane: Model Studies and Uncertainties.
PB92-188820/REB 92-01 PC **A03**/MF **A01**

BRUETSCH, R. I.
Evaluation of a Vehicle Equipped with a Direct Injection Engine Using Neat Methanol.
PB92-118009/REB 92-01 PC **A03**/MF **A01**

Natural Gas Vehicle Challenge: EPA Emissions and Fuel Economy Testing, 1992.
PB92-217926/REB 92-04 PC **A04**/MF **A01**

BRUNNER, J.
Technology Evaluation Report: SITE Program Demonstration Test Horsehead Resource Development Company, Inc., Flame Reactor Technology, Monaca, Pennsylvania.
PB92-205855/REB 92-04 PC **A07**/MF **A02**

BRUNNER, J. D.
EPA SITE Demonstration of the Horsehead Resource Development Company Flame Reactor Technology.
PB92-139401/REB 92-01 PC **A02**/MF **A01**

BRYANT, F. O.
Regiospecific Dechlorination of Pentachlorophenol by Dichlorophenol-Adapted Microorganisms in Freshwater, Anaerobic Sediment Slurries.
PB92-101674/REB 92-01 PC **A03**/MF **A01**

BRYANT, M. F.
Induction of Micronuclei by X-radiation in Human, Mouse and Rat Peripheral Blood Lymphocytes.
PB92-113315/REB 92-01 PC **A02**/MF **A01**

Interspecies Cytogenetic Comparisons: Studies with X-Radiation and Bleomycin Sulfate.
PB92-227438/REB 92-04 PC **A03**/MF **A01**

BUCHANAN, R.
Handbook for Special Public Notification for Lead for Public Drinking Water Suppliers.
PB92-164722/REB 92-01 PC **A04**/MF **A01**

BUCKALEW, A. R.
Embryonic Palatal Responses to Teratogens in Serum-Free Organ Culture.
PB92-188960/REB 92-01 PC **A03**/MF **A01**

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Selection of a Base Serum for the Preparation of Quality Control Pools Containing Environment Analytes.
PB92-153840/REB 92-01 PC **A03**/MF **A01**

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Effect of Sub-Grid-Scale Rainfall Analysis on Sulfate Wet Deposition Estimates in the Regional Lagrangian Model of Air Pollution (RELMAP).
PB92-158526/REB 92-01 PC **A02**/MF **A01**

BUNYARD, F.
Clean Air Act Section 183(d) Guidance on Cost-Effectiveness.
PB92-136795/REB 92-01 PC **A03**/MF **A01**

BURBANK, D. A.
Capsule Report: Adipic Acid-Enhanced Lime/Limestone Test Results at the EPA Alkali Scrubbing Test Facility.
PB92-179944/REB 92-01 PC **A03**/MF **A01**

BURDEN, D. S.
Sampling of Contaminated Sites.
PB92-110436/REB 92-01 PC **A02**/MF **A01**

BURKE, I. C.
Approach to Assessment of Management Impacts on Agricultural Soil Carbon.
PB92-217173/REB 92-04 PC **A03**/MF **A01**

BURKE, R. A.
Seasonal Variations of Stable Hydrogen and Carbon Isotope Ratios of Methane in Subtropical Freshwater Sediments.
PB92-217181/REB 92-04 PC **A03**/MF **A01**

BURKHARD, L.
Methods for Aquatic Toxicity Identification Evaluations. Phase 1 Toxicity Characterization Procedures. Second Edition.
PB92-100072/REB 92-01 PC **A05**/MF **A01**

BURKLIN, C. E.
Oil and Gas Field Emissions Survey.
PB92-184977/REB 92-01 PC **A14**/MF **A03**

BURLESON, G. R.
Enhance and Prolonged Pulmonary Influenza Virus Infection Following Phosgene Inhalation.
PB92-124650/REB 92-01 PC **A03**/MF **A01**

New Methods for the Assessment of Immunotoxicity of Chemical Substances.
PB92-232859/REB 92-04 PC **A02**/MF **A01**

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On-Site Methods for Assessing Chemical Impact on the Soil Environment Using Earthworms: A Case Study at the Baird and McGuire Superfund Site, Holbrook, Massachusetts.
PB92-108166/REB 92-01 PC **A03**/MF **A01**

BURNS, A. A.
Study to Determine the Feasibility of Using a Ground-Penetrating Radar for More Effective Remediation of Subsurface Contamination.
PB92-169382/REB 92-04 PC **A06**/MF **A02**

BURNS, A. J.
Volunteer Lake Monitoring Program, 1991. Volume 1: Statewide Summary Report.
PB92-222512/REB 92-04 PC **A06**/MF **A02**

Volunteer Lake Monitoring Program, 1991. Volume 4: West-Central Illinois Region.
PB92-239482/REB 92-04 PC **A04**/MF **A01**

BURRIS, B. E.
Standardized Costs for Water Supply Distribution Systems.
PB92-141290/REB 92-01 PC **A15**/MF **A03**

BURRIS, D. E.
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PB92-153840/REB 92-01 PC **A03**/MF **A01**

BURSEY, J.
Technical Assistance Document for Sampling and Analysis of Ozone Precursors.
PB92-122795/REB 92-01 PC **A09**/MF **A02**

BURSEY, J. T.
Evaluation of VOST and SemiVOST Methods for Halogenated Compounds in the Clean Air Act Amendments Title III, Bench and Laboratory Studies.
PB92-178979/REB 92-01 PC **A03**/MF **A01**

Screening Methods for the Development of Air Toxics Emission Factors.
PB92-108778/REB 92-01 PC **A20**/MF **A04**

BURTON, C.
Composition of Motor Vehicle Organic Emissions under Elevated Temperature Summer Driving Conditions (75 to 105 deg F).
PB92-166693/REB 92-01 PC **A02**/MF **A01**

BURTON, R. M.
High-Volume Impactor for Sampling Fine and Coarse Particles.
PB92-166727/REB 92-01 PC **A02**/MF **A01**

Indoor Air Pollutants from Unvented Kerosene Heater Emissions in Mobile Homes: Studies on Particles, Semivolatile Organics, Carbon Monoxide, and Mutagenicity.
PB92-113232/REB 92-01 PC **A02**/MF **A01**

BUSCHE, F. D.
Sampling of Contaminated Sites.
PB92-110436/REB 92-01 PC **A02**/MF **A01**

BUSHNELL, P. J.
Effects of Trimethyltin on Repeated Acquisition (Learning) in the Radial-Arm Maze.
PB92-227503/REB 92-04 PC **A03**/MF **A01**

Serial Spatial Reversal Learning in Rats: Comparison of Instrumental and Automaintenance Procedures.
PB92-143940/REB 92-01 PC **A02**/MF **A01**

BUTTNER, M. P.
Evaluation of Four Aerobiological Sampling Methods for the Retrieval of Aerosolized 'Pseudomonas syringae'.
PB92-158591/REB 92-01 PC **A01**/MF **A01**

BUZANOWSKI, M. A.
Evaluation of NOx Emission Control Catalysts for Power Plant SCR Installations.
PB92-121276/REB 92-01 PC **A03**/MF **A01**

BYERS, G. E.
Direct/Delayed Response Project: Soil Characterization Comparison.
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Monitoring and Research Strategy for Forests-Environmental Monitoring and Assessment Program.
PB92-146208/REB 92-01 PC **A09**/MF **A02**

BYUN, D. W.
Sensitivity of RADM to Point Source Emissions Processing.
PB92-152982/REB 92-01 PC **A02**/MF **A01**

CAIN, W. S.
Reference Guide to Odor Thresholds for Hazardous Air Pollutants Listed in the Clean Air Act Amendments of 1990.
PB92-239516/REB 92-04 PC **A05**/MF **A01**

CAKA, F. M.
Intercomparison of Sampling Techniques for Nicotine in Indoor Environments.
PB92-110402/REB 92-01 PC **A02**/MF **A01**

CAKE, E. W.
Effects of Section 404 Permitting on Freshwater Wetlands in Louisiana, Alabama, and Mississippi.
PB92-217439/REB 92-04 PC **A03**/MF **A01**

CALAMBOKIDIS, J.
Chemical Contamination of Harbor Seal Pups in Puget Sound. Puget Sound Estuary Program.
PB92-132778/REB 92-01 PC **A06**/MF **A02**

CALLAHAN, C. A.
On-Site Methods for Assessing Chemical Impact on the Soil Environment Using Earthworms: A Case Study at the Baird and McGuire Superfund Site, Holbrook, Massachusetts.
PB92-108166/REB 92-01 PC **A03**/MF **A01**

CALLAHAN, P. J.
Phase Distributions of Airborne Polycyclic Aromatic Hydrocarbons in Two U.S. Cities.
PB92-164979/REB 92-01 PC **A03**/MF **A01**

CALLEMAN, C. J.
Formation of Hemoglobin Adducts of Acrylamide and Its Epoxide Metabolite Glycidamide in the Rat.
PB92-150523/REB 92-01 PC **A03**/MF **A01**

CAMERON, R. E.
Guide to Site and Soil Description for Hazardous Waste Site Characterization. Volume 1. Metals.
PB92-146158/REB 92-01 PC **A13**/MF **A03**

CAMPBELL, D.
Analysis of Factors Affecting Methane Gas Recovery from Six Landfills.
PB92-101351/REB 92-01 PC **A13**/MF **A03**

Locating and Estimating Air Emissions from Sources of Styrene, Interim Report.
PB92-126788/REB 92-01 PC **A08**/MF **A02**

CAMPBELL, D. L.
Development of an Empirical Model of Methane Emissions from Landfills.
PB92-152875/REB 92-01 PC **A06**/MF **A02**

CAMPBELL, R. P.
Fate of 'Bacillus sphaericus' 2362 Spores Following Ingestion by Nontarget Invertebrates.
PB92-129774/REB 92-01 PC **A03**/MF **A01**

CAMPBELL, W. G.
Global Ecosystems Database. Version 0.1 (Beta-test). EPA Global Climate Research Program. NOAA/NGDC Global Change Database Program. Prototype 1. Database Documentation. NGDC Key to Geophysical Records Documentation No. 25.
PB92-122803/REB 92-01 PC **A16**/MF **A03**

CANTER, L. W.
Control of Aromatic Waste Air Streams by Soil Bioreactors.
PB92-144021/REB 92-01 PC **A02**/MF **A01**

CANTILLI, R.
Drinking Water Health Advisory Antimony.
PB92-135433/REB 92-01 PC **A03**/MF **A01**

Drinking Water Health Advisory for Aldrin.
PB92-135417/REB 92-01 PC **A03**/MF **A01**

Drinking Water Health Advisory for Beryllium.
PB92-135441/REB 92-01 PC **A03**/MF **A01**

Drinking Water Health Advisory for Boron.
PB92-135458/REB 92-01 PC **A03**/MF **A01**

Drinking Water Health Advisory for Chlorpyrifos.
PB92-135466/REB 92-01 PC **A03**/MF **A01**

Drinking Water Health Advisory for Isophorone.
PB92-135474/REB 92-01 PC **A03**/MF **A01**

Drinking Water Health Advisory for Malathion.
PB92-135482/REB 92-01 PC **A03**/MF **A01**

Drinking Water Health Advisory for p-Nitrophenol.
PB92-135490/REB 92-01 PC **A03**/MF **A01**

Drinking Water Health Advisory for Phenol.
PB92-135508/REB 92-01 PC **A03**/MF **A01**

Drinking Water Health Advisory for Silver.
PB92-135516/REB 92-01 PC **A03**/MF **A01**

Drinking Water Health Advisory for Thallium.
PB92-135524/REB 92-01 PC **A03**/MF **A01**

CAPLAN, K. J.
Evaporation Rate of Volatile Liquids. Final Report, Second Edition.
PB92-232305/REB 92-04 PC **A09**/MF **A02**

CARASEA, A.
Inorganic Contract Compliance Screening System Software for the PC (SOW March 1990 Version 1). User Manual.
PB92-145598/REB 92-01 PC **A07**/MF **A02**

CARDON, M.
Generation of Recombinant Baculovirus via Liposome-Mediated Transfection.
PB92-143973/REB 92-01 PC **A01**/MF **A01**

CAREY, L. A.
Effects of Aqueous and Dietary Exposure of Dieldrin on Survival, Growth and Bioconcentration in Mallard Ducklings.
PB92-217413/REB 92-04 PC **A03**/MF **A01**

CARLSON, P.
Feasibility of Including Regional and Temporal VOC Emissions Estimates in the EPA Emissions Trends Report.
PB92-216910/REB 92-04 PC **A04**/MF **A01**

CARLTON, J. T.
Test of Criteria for Introduced Species: The Global Invasion by the Isopod 'Synidotea laevidorsalis' (Miers, 1881).
PB92-108018/REB 92-01 PC **A03**/MF **A01**

CARMICHAEL, W. W.
Status Report on Planktonic Cyanobacteria (Blue-Green Algae) and Their Toxins.
PB92-206259/REB 92-04 PC **A07**/MF **A02**

CARR, E. L.
Guideline for Regulatory Application of the Urban Airshed Model for Areawide Carbon Monoxide. Volume 1. Technical Report.
PB92-213222/REB 92-04 PC **A04**/MF **A01**

Guideline for Regulatory Application of the Urban Airshed Model for Areawide Carbon Monoxide. Volume 2. Appendices.
PB92-213230/REB 92-04 PC **A04**/MF **A01**

CARREIRA, L. A.
Continuous Multiligand Distribution Model Used to Predict the Stability Constant of Cu(II) Metal Complexation with Humic Material from Fluorescence Quenching Data.
PB92-101377/REB 92-01 PC **A02**/MF **A01**

Fluorescence Techniques for Metal-Humic Interactions.
PB92-101369/REB 92-01 PC **A03**/MF **A01**

CARROLL, G. J.
Trace Metal Fate in a Rotary Kiln Incinerator with an Ionizing Wet Scrubber (Journal Article).
PB92-110568/REB 92-01 PC **A02**/MF **A01**

CARROLL, J. P.
Air Superfund National Technical Guidance Study Series. Screening Procedures for Estimating the Air Impacts of Incineration at Superfund Sites.
PB92-171917/REB 92-01 PC **A04**/MF **A01**

CARROLL, T. R.
Improvement of PMN Review Procedures to Estimate Protective Clothing Performance. Executive Summary Report.
PB92-105691/REB 92-01 PC **A03**/MF **A01**

CARSON, D. A.
RCRA Cover Systems for Waste Management Facilities.
PB92-120435/REB 92-01 PC **A03**/MF **A01**

Technical Guidance Document: Inspection Techniques for the Fabrication of Geomembrane Field Seams.
PB92-109057/REB 92-01 PC **A08**/MF **A02**

CARTER, H. B.
Fetal and Maternal Effects of Continual Exposure of Rats to 970-MHz Circularly-Polarized Microwaves.
PB92-227602/REB 92-04 PC **A03**/MF **A01**

CARTER, H. W.
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PB92-227586/REB 92-04 PC **A03**/MF **A01**

CARTER, J. A.
GIS Technical Memorandum 3: Global Positioning Systems Technology and Its Application in Environmental Programs.
PB92-169358/REB 92-01 PC **A04**/MF **A01**

CARTER, J. H.
Quantitative Image Cytometry of Hepatocytes Expressing Gamma-Glutamyl Transpeptidase and Glutathione S-Transferase in *Diethylnitrosamine-Initiated Rats Treated with* Phenobarbitol and/or Phthalate Esters.
PB92-227586/REB 92-04 PC **A03**/MF **A01**

CARTER, M. H.
Organic Contract Compliance Screening System. Software for the PC (Version June 1990). User Manual.
PB92-145580/REB 92-01 PC **A08**/MF **A02**

CARTER, W. P. L.
Protocols for Evaluating Oxidant Mechanisms for Urban and Regional Models.
PB92-205848/REB 92-04 PC **A06**/MF **A02**

CARTWRIGHT, K.
Construction, Monitoring, and Performance of Two Soil Liners.
PB92-124049/REB 92-01 PC **A07**/MF **A02**

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Laboratory and Field Evaluations of a Methodology for Determining *Hexavalent Chromium Emissions from Stationary* Sources.
PB92-101336/REB 92-01 PC **A06**/MF **A02**

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PB92-118447/REB 92-01 PC **A06**/MF **A02**

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PB92-232370/REB 92-04 PC **A18**/MF **A04**

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PB92-146208/REB 92-01 PC **A09**/MF **A02**

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PB92-136928/REB 92-01 PC **A03**/MF **A01**

Evaluation of the Chemical Resistance of Geotextiles, Geonet and Pipe.
PB92-170562/REB 92-01 PC **A05**/MF **A01**

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PB92-124551/REB 92-01 PC **A03**/MF **A01**

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PB92-217231/REB 92-04 PC **A02**/MF **A01**

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PB92-144062/REB 92-01 PC **A02**/MF **A01**

CAUSLEY, M.
User's Guide for the Urban Airshed Model. Volume 4. User's Manual for the Emissions Preprocessor System 2.0. Part A: Core FORTRAN System.
PB92-226232/REB 92-04 PC **A19**/MF **A04**

CAVALLO, A.
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PB92-124148/REB 92-01 PC **A03**/MF **A01**

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PB92-192194/REB 92-01 PC **A04**/MF **A01**

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PB92-166958/REB 92-01 PC **A03**/MF **A01**

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PB92-239524/REB 92-04 PC **A04**/MF **A01**

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Effect of Pentachlorophenol on the Activation of 2,6-Dinitrotoluene to Genotoxic Urinary Metabolites in CD-1 Mice: A Comparison of GI Enzyme Activities and Urine Mutagenicity.
PB92-150895/REB 92-01 PC **A03**/MF **A01**

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PB92-124304/REB 92-01 PC **A03**/MF **A01**

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PB92-222231/REB 92-04 PC **A08**/MF **A02**

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PB92-206309/REB 92-04 PC **A02**/MF **A01**

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CHAPMAN, P. J.
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Bench-Scale Evaluation of Alternative Biological Treatment Processes for the Remediation of Pentachlorophenol- and *Creosote-Contaminated Materials: Solid-Phase Bioremediation.*
PB92-129725/REB 92-01 PC **A03**/MF **A01**

Biodegradation of Creosote and Pentachlorophenol in Contaminated *Groundwater: Chemical and Biological Assessment.*
PB92-129659/REB 92-01 PC **A03**/MF **A01**

Mutants of 'Pseudomonas cepacia' G4 Defective in Catabolism of Aromatic Compounds and *Trichloroethylene.*
PB92-129741/REB 92-01 PC **A02**/MF **A01**

Performance Characterization of a Model Bioreactor for the Biodegradation of Trichloroethylene by 'Pseudomonas cepacia' G4.
PB92-129717/REB 92-01 PC **A02**/MF **A01**

CHAPMAN, R. S.
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PB92-115369/REB 92-01 PC **A19**/MF **A04**

Proceedings: The 1991 International Symposium on Radon and Radon Reduction Technology. Volume 3. Symposium Panel and Poster Papers Technical Sessions 1 through 5.
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Proceedings: The 1991 International Symposium on Radon and Radon Reduction Technology. Volume 4. Symposium Poster Papers Technical Sessions 6 through 10.
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Proceedings: The 1991 International Symposium on Radon and Radon Reduction Technology. Volume 3. Symposium Panel and Poster Papers Technical Sessions 1 through 5.
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Proceedings: The 1991 International Symposium on Radon and Radon Reduction Technology. Volume 4. Symposium Poster Papers Technical Sessions 6 through 10.
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National Air Toxics Information Clearinghouse: Bibliography of Selected Reports and Federal Register Notices Related to Air Toxics. Volume 5. Citations, 1991.
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PB92-216951/REB 92-04 PC **A07**/MF **A02**

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PB92-179878/REB 92-01 PC **A01**/MF **A01**

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National Air Quality and Emissions Trends Report, 1990.
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14C Source Apportionment Technique Applied to Wintertime Urban Aerosols and Gases for the EPA Integrated Air Cancer Project.
PB92-171370 92-01 Not available NTIS

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PB92-180199/REB 92-01 PC **A02**/MF **A01**

Toxicity Reduction Evaluation at a Municipal Wastewater Treatment Plant Using Mutagenicity as an Endpoint.
PB92-232834/REB 92-04 PC **A02**/MF **A01**

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Genotoxicity in Mouse Lymphoma Cells of Chemicals Capable of Michael Addition.
PB92-120484/REB 92-01 PC **A02**/MF **A01**

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PB92-227438/REB 92-04 PC **A03**/MF **A01**

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PB92-108760/REB 92-01 PC **A05**/MF **A01**

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PB92-188846/REB 92-01 PC **A02**/MF **A01**

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PB92-232941/REB 92-04 PC **A02**/MF **A01**

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PB92-153360/REB 92-01 PC **A02**/MF **A01**

DONGWEI, Z.
Analysis of Long-Term and Seasonal River Water Quality Changes in Latvia.
PB92-232933/REB 92-04 PC **A03**/MF **A01**

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Modeling of Nonpoint Source Water Quality in Urban and Non-urban Areas.
PB92-109115/REB 92-01 PC **A05**/MF **A01**

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Gas Chromatographic Elution Patterns of Chlorinated Dioxins versus Column Polarity.
PB92-192186/REB 92-01 PC **A02**/MF **A01**

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Health Advisory for Isopropyl Methylphosphonic Acid (IMPA).
PB92-232149/REB 92-04 PC **A03**/MF **A01**

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PB92-206606/REB 92-04 PC **A03**/MF **A01**

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PB92-227339/REB 92-04 PC **A03**/MF **A01**

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PB92-206572/REB 92-04 PC **A03**/MF **A01**

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PB92-169382/REB 92-04 PC **A06**/MF **A02**

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Overview, Conclusions, and Recommendations of the IPCS Collaborative Study on Complex Mixtures.
PB92-150689/REB 92-01 PC **A03**/MF **A01**

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Effect of Nitrate Addition on Biorestoration of Fuel-Contaminated Aquifer: Field Demonstration.
PB92-110444/REB 92-01 PC **A03**/MF **A01**

DRABKIN, M.
Industrial Pollution Prevention Opportunities for the 1990s.
PB91-220376/REB 92-01 PC **A04**/MF **A01**

DRAGO, R. J.
Atlanta Ozone Precursor Monitoring Study Data Report.
PB92-220656/REB 92-04 PC **A08**/MF **A02**

DREHMEL, D. C.
Fuel Rich Sulfur Capture in a Combustion Environment.
PB92-205228/REB 92-04 PC **A02**/MF **A01**

Near-Continuous Measurement of Hydrogen Sulfide and Carbonyl Sulfide by an Automatic Gas Chromatograph.
PB92-150598/REB 92-01 PC **A02**/MF **A01**

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Mineral Weathering Rates in Acid-Sensitive Catchments: Extrapolation of Laboratory Experiments to the Field.
PB92-153030/REB 92-01 PC **A02**/MF **A01**

DRISCOLL, C. T.
MANE: A Multiphase, Aqueous, Non-Steady State, Equilibrium Model for Simulating Soil-Water Interactions.
PB92-143817/REB 92-01 PC **A03**/MF **A01**

DROESSLER, T. D.
Pollution Impacts at the Stand and Ecosystem Levels.
PB92-179027/REB 92-01 PC **A03**/MF **A01**

DROUILLARD, M. S.
Advanced Emissions Speciation Methodologies for the Auto/Oil Air Quality Improvement Research Program. 2. Aldehydes, Ketones, and Alcohols.
PB92-206523/REB 92-04 PC **A03**/MF **A01**

DUKE, M.
Marine Debris Survey Manual.
PB92-103456/REB 92-01 PC **A08**/MF **A02**

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Air Emissions from the Treatment of Soils Contaminated with Petroleum Fuels and Other Substances.
PB92-212976/REB 92-04 PC **A12**/MF **A03**

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Combined Sewer Overflow: Balancing Flow for CSO Abatement.
PB92-179761/REB 92-01 PC **A02**/MF **A01**

Demonstration of in-Receiving Water Storage of Combined Sewer Overflows: In a Marine/Estuarine Environment by the Flow Balance Method.
PB92-158575/REB 92-01 PC **A02**/MF **A01**

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PB92-158542/REB 92-01 PC **A03**/MF **A01**

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Lotus 1-2-3-Based System for Recording and Maintaining Body Weight of Laboratory Animals.
PB92-158625/REB 92-01 PC **A02**/MF **A01**

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Comparison of SIMCA Pattern Recognition and Library Search Identification of Hazardous Compounds from Mass Spectra.
PB92-227362/REB 92-04 PC **A03**/MF **A01**

DUNNIGAN, M. E.
Serological Cross-Reactions between 'Escherichia coli' O157 and other Species of the Genus 'Escherichia'.
PB92-180306/REB 92-01 PC **A01**/MF **A01**

DUPUY, A. E.
Evaluation of a Sampling and Analysis Method for Determination of Polyhalogenated Dibenzo-p-Dioxins and Dibenzofurans in Ambient Air.
PB92-129600/REB 92-01 PC **A02**/MF **A01**

DURHAN, E.
Methods for Aquatic Toxicity Identification Evaluations. Phase 1 Toxicity Characterization Procedures. Second Edition.
PB92-100072/REB 92-01 PC **A05**/MF **A01**

DURISCOE, D. M.
Methods of Assessing Responses of Trees, Stands and Ecosystems to Air Pollution (Chapter 7).
PB92-180231/REB 92-01 PC **A04**/MF **A01**

DUSTON, K. L.
Microbial Transport through Porpus Media: The Effects of *Hydraulic Conductivity and Injection Velocity.*
PB92-150465/REB 92-01 PC **A03**/MF **A01**

DYE, J. A.
Feline Bronchopulmonary Disease.
PB92-126879/REB 92-01 PC **A03**/MF **A01**

Rational Approaches to the Management of Bronchopulmonary Disease.
PB92-206473/REB 92-04 PC **A03**/MF **A01**

DYER, R. S.
Alterations in Rat Flash and Pattern Reversal Evoked Potentials after Acute or Repeated Administration of Carbon Disulfide (CS2).
PB92-188929/REB 92-01 PC **A03**/MF **A01**

Differential Impact of Hypothermia and Pentobarbital on Brain-Stem Auditory Evoked Responses.
PB92-113240/REB 92-01 PC **A03**/MF **A01**

Environmental Gases.
PB92-227313/REB 92-04 PC **A06**/MF **A02**

Evaluating the Human Health Effects of Hazardous Wastes: Reproduction and Development, Neurotoxicity, Genetic Toxicity and Cancer.
PB92-110352/REB 92-01 PC **A03**/MF **A01**

DYESS, T. D.
Proceedings: The 1991 International Symposium on Radon and Radon Reduction Technology. Volume 1. Symposium Oral Papers Opening Session and Technical Sessions 1 through 5.
PB92-115351/REB 92-01 PC **A18**/MF **A04**

DYESS, T. M.
Proceedings: The 1991 International Symposium on Radon and Radon Reduction Technology. Volume 2. Symposium Oral Papers Technical Sessions 6 through 10.
PB92-115369/REB 92-01 PC **A19**/MF **A04**

Proceedings: The 1991 International Symposium on Radon and Radon Reduction Technology. Volume 3. Symposium Panel and Poster Papers Technical Sessions 1 through 5.
PB92-115377/REB 92-01 PC **A20**/MF **A04**

Proceedings: The 1991 International Symposium on Radon and Radon Reduction Technology. Volume 4. Symposium Poster Papers Technical Sessions 6 through 10.
PB92-115385/REB 92-01 PC **A13**/MF **A03**

U.S. EPA Office of Research and Development Overview of Current Radon Research.
PB92-121250/REB 92-01 PC **A02**/MF **A01**

EARLEY, K.
DNA Adducts in Rat Lung, Liver and Peripheral Blood Lymphocytes Produces by i.p. Administration of Benzo(a)Pyrene Metabolites and Derivatives.
PB92-124627/REB 92-01 PC **A01**/MF **A01**

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PB92-150739/REB 92-01 PC **A02**/MF **A01**

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PB92-227404/REB 92-04 PC **A03**/MF **A01**

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PB92-192178/REB 92-01 PC **A03**/MF **A01**

Summary Report for the National Atmospheric Deposition Program National Trends Network (NADP/NTN) Site Visitation Program.
PB92-219823/REB 92-04 PC **A06**/MF **A02**

Summary Report for the National Atmospheric Deposition Program/National Trends Network (NADP/NTN) Site Visitation Program for the Period October 1989 through September 1990.
PB92-217298/REB 92-04 PC **A05**/MF **A01**

EATOUGH, D. J.
Intercomparison of Sampling Techniques for Nicotine in Indoor Environments.
PB92-110402/REB 92-01 PC **A02**/MF **A01**

EBERLY, D.
RCRA Permit Policy Compendium. Volume 1. User's Guide. Key Word Index.
PB92-111715/REB 92-01 PC **E10**

RCRA Permit Policy Compendium. Volume 2 (9420.1980-9434.1900). Hazardous Waste Management System (Part 260). General, Definitions, Petitions.
PB92-111723/REB 92-01 PC **A13**

RCRA Permit Policy Compendium. Volume 3 (9441.1980-9441.1986). Identification and Listing of Hazardous Waste (Part 261). General.
PB92-111731/REB 92-01 PC **A14**

*RCRA Permit Policy Compendium. Volume 4 (9441.1987-*9441.1990). Identification and Listing of Hazardous Waste (Part 261). General.
PB92-111749/REB 92-01 PC **A14**

RCRA Permit Policy Compendium. Volume 5 (9442.1980-9444.1986). Identification and Listing of Hazardous Waste (Part 261). Criteria for Identifying Hazardous Waste, Characteristics of Hazardous Waste, Lists of Hazardous Waste.
PB92-111756/REB 92-01 PC **A14**

*RCRA Permit Policy Compendium. Volume 6 (9444.1987-*9457.1990). Identification and Listing of Hazardous Waste (Part 261). Lists (Cont'd), Generator Standards (Part 262), General, Pretransportation, Recordkeeping, Special Conditions, Importing.
PB92-111764/REB 92-01 PC **A15**

RCRA Permit Policy Compendium. Volume 7 (9460.1980-9482.1990). Transporter Standards (Part 263). (TSDF's) (Parts 264 and 265), TSDF Technical Requirements (Parts 264 and 265).
PB92-111772/REB 92-01 PC **A11**

RCRA Permit Policy Compendium. Volume 8 (9483.1980-9489.1990). TSDF Technical Requirements (Parts 264 and 265). Tanks, Surface Impoundments, Waste Piles, Land Treatment, Landfills, Incinerators, Miscellaneous Units.
PB92-111780/REB 92-01 PC **A15**

RCRA Permit Policy Compendium. Volume 9 (9490.1980-9521.1990). Standards for Managing Specific Hazardous Wastes (Part 266). Permitting Policies, Permitting Procedures (Parts 124 and 270).
PB92-111798/REB 92-01 PC **A15**

RCRA Permit Policy Compendium. Volume 10 (9522.1980-9528.1990). Permitting Procedures (Parts 124 and 270). Applications, Conditions, Changes, Interim Status.
PB92-111806/REB 92-01 PC **A15**

RCRA Permit Policy Compendium. Volume 11 (9530.1980-9581.1990). Air Emissions Standards, State Authorization (Part 271), Land Disposal Restrictions (Part 268). Waste *Minimization, Subtitle D, RCRA Grant Funds.*
PB92-111814/REB 92-01 PC **A17**

EBRON-MCCOY, M.
In vitro/In vivo Comparison of Yolk-Sac Function and Embryo Development.
PB92-150804/REB 92-01 PC **A02**/MF **A01**

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Developmental Effects of Methyl Benzimidazolecarbamate Following Exposure during Early Pregnancy.
PB92-164862/REB 92-01 PC **A02**/MF **A01**

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Effects of Heavy Industrial Pollution on Respiratory Function in the Children of Cubatao, Brazil: A Preliminary Report.
PB92-217207/REB 92-04 PC **A02**/MF **A01**

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Discriminative Stimulus Properties of Triadimefon: Comparison with Methylphenidate.
PB92-143882/REB 92-01 PC **A02**/MF **A01**

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Acoustic Location of Leaks in Pressurized Underground Petroleum Pipelines.
PB92-207687/REB 92-04 PC **A04**/MF **A01**

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Vertebrate Toxicology of the Solubilized Parasporal Crystalline Proteins of 'Bacillus thuringiensis' Subsp. 'israelensis'.
PB92-150507/REB 92-01 PC **A03**/MF **A01**

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Spatial and Temporal Analysis of Non-Urban Ozone Concentrations over the Eastern United States Using Rotated Principal Component Analysis.
PB92-192152/REB 92-01 PC **A02**/MF **A01**

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Routine Estimation and Reporting of Dry Deposition for the U.S.A. Dry Deposition Network.
PB92-121144/REB 92-01 PC **A03**/MF **A01**

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Measurement Solution: Using a Temporary Total Enclosure for Capture Efficiency Testing.
PB92-190271/REB 92-01 PC **A07**/MF **A02**

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Biotransformation of CIS-1,2-Dichloroethylene in Aquifer Material from Picatinny Arsenal, Morris County, New Jersey.
PB92-179100/REB 92-01 PC **A03**/MF **A01**

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PB92-179019/REB 92-01 PC **A02**/MF **A01**

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PB92-227396/REB 92-04 PC **A03**/MF **A01**

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PB92-124650/REB 92-01 PC **A03**/MF **A01**

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PB92-114487/REB 92-01 PC **A07**/MF **A02**

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PB92-212976/REB 92-04 PC **A12**/MF **A03**

Air/Superfund National Technical Guidance Study Series: Estimation of Air Impacts for Soil Vapor Extraction (SVE) Systems.
PB92-143676/REB 92-01 PC **A03**/MF **A01**

Air Superfund National Technical Guidance Study Series. Estimation of Air Impacts for the Excavation of Contaminated Soil.
PB92-171925/REB 92-01 PC **A04**/MF **A01**

ELDER, J.
Research Strategy for Electric and Magnetic Fields: Research Needs and Priorities.
PB92-170174/REB 92-01 PC **A04**/MF **A01**

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Effects of pH, Solid/Solution Ratio, Ionic Strength, and Organic Acids on Pb and Cd Sorption on Kaolinite.
PB92-143981/REB 92-01 PC **A02**/MF **A01**

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Statistical Approach to Predicting Chronic Toxicity of Chemicals to Fishes from Acute Toxicity Test Data. Data Tape Documentation.
PB92-169655/REB 92-04 PC **A06**/MF **A02**

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Acid Aerosol Measurement Methods: Studies of Extraction and Analytical Effects.
PB92-191154/REB 92-01 PC **A02**/MF **A01**

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Approach to Assessment of Management Impacts on Agricultural Soil Carbon.
PB92-217173/REB 92-04 PC **A03**/MF **A01**

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Technology Evaluation Report: Biotrol Soil Washing System for Treatment of a Wood Preserving Site. Volume 1.
PB92-115310/REB 92-01 PC **A13**/MF **A03**

Technology Evaluation Report: Biotrol Soil Washing System for Treatment of a Wood Preserving Site. Volume 2, Part A.
PB92-115328/REB 92-01 PC **A17**/MF **A04**

Technology Evaluation Report: Biotrol Soil Washing System for Treatment of a Wood Preserving Site. Volume 2, Part B.
PB92-115336/REB 92-01 PC **A15**/MF **A03**

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PB92-150655/REB 92-01 PC **A03**/MF **A01**

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Efficient Multiple-Exposure Analysis of the Toxicity of Crisnatol: A DNA Intercalator in Phase 2 Clinical Trials.
PB92-206283/REB 92-04 PC **A03**/MF **A01**

In vitro/In vivo Comparison of Yolk-Sac Function and Embryo Development.
PB92-150804/REB 92-01 PC **A02**/MF **A01**

Limitations of the Fluorescent Probe Viability Assay.
PB92-113166/REB 92-01 PC **A03**/MF **A01**

New Action for Topoisomerase Inhibitors.
PB92-110451/REB 92-01 PC **A03**/MF **A01**

Polyploidy Induction as a Consequence of Topoisomerase Inhibition. A Flow Cytometric Assessment.
PB92-143866/REB 92-01 PC **A03**/MF **A01**

Reversibility of Tributyltin-Induced Toxicity In vitro as a Function of Concentration and Duration of Exposure (C X T).
PB92-164854/REB 92-01 PC **A03**/MF **A01**

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PB92-150754/REB 92-01 PC **A03**/MF **A01**

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PB92-113190/REB 92-01 PC **A02**/MF **A01**

Landfill Leachate Effects on Sorption of Organic Micropollutants onto Aquifer Materials.
PB92-198597/REB 92-04 PC **A03**/MF **A01**

Landfill Leachate Effects on Transport of Organic Substances in Aquifer Materials (Chapter 16).
PB92-198225/REB 92-04 PC **A03**/MF **A01**

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PB92-180314/REB 92-01 PC **A02**/MF **A01**

Evaluation and Comparison of Spatial Interpolators.
PB92-227446/REB 92-04 PC **A03**/MF **A01**

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PB92-227404/REB 92-04 PC **A03**/MF **A01**

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PB92-143684/REB 92-01 PC **A03**/MF **A01**

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Analysis of Factors Affecting Methane Gas Recovery from Six Landfills.
PB92-101351/REB 92-01 PC **A13**/MF **A03**

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PB92-152875/REB 92-01 PC **A06**/MF **A02**

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PB92-206572/REB 92-04 PC **A03**/MF **A01**

EPSTEIN, E.
Conducting RCRA Inspections at Mixed Waste Facilities.
PB92-105196/REB 92-01 PC **A04**/MF **A01**

ERDOS, M. R.
Effects of PCB (Aroclor (Trade Name) 1254) on Non-Specific Immune Parameters in Rhesus ('Macaca mulatta') Monkeys.
PB92-232867/REB 92-04 PC **A03**/MF **A01**

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PB92-124627/REB 92-01 PC **A01**/MF **A01**

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PB92-113315/REB 92-01 PC **A02**/MF **A01**

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Fate of Polychlorinated Biphenyls (PCBs) in Soil Following Stabilization with Quicklime.
PB92-114487/REB 92-01 PC **A07**/MF **A02**

ERNST, T.
On-Site Methods for Assessing Chemical Impact on the Soil Environment Using Earthworms: A Case Study at the Baird and McGuire Superfund Site, Holbrook, Massachusetts.
PB92-108166/REB 92-01 PC **A03**/MF **A01**

ESANCY, J.
Color Yes; Cancer No.
PB92-110477/REB 92-01 PC **A03**/MF **A01**

ESANCY, J. F.
Approach to the Design of Nonmutagenic Azo Dyes: Analogues of the Mutagen 4-Amino-3-Methoxyazobenzene (Chapter 4).
PB92-206556/REB 92-04 PC **A03**/MF **A01**

ESANCY, M.
Color Yes; Cancer No.
PB92-110477/REB 92-01 PC **A03**/MF **A01**

ESHLEMAN, K. N.
Acidic Episodes in Surface Waters in Europe.
PB92-188853/REB 92-01 PC **A03**/MF **A01**

ESPOSITO, C.
Personnel Protection through Reconnaissance Robotics at Superfund Remedial Sites.
PB92-166743/REB 92-01 PC **A02**/MF **A01**

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Fuzzy Logic Control of AC Induction Motors.
PB92-180207/REB 92-01 PC **A02**/MF **A01**

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Responses of Wetland Plants to Effluents in Water and Sediment.
PB92-129758/REB 92-01 PC **A02**/MF **A01**

Synthetic Substrata for Propagation and Testing of Soil and Sediment Organisms.
PB92-195676/REB 92-01 PC **A03**/MF **A01**

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Standard Operating Procedures for Measurement of Lead in Paint Using the SCITEC MAP-3 X-ray Fluorescence Spectrometer.
PB92-114180/REB 92-01 PC **A04**/MF **A01**

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Meteorological and Site Influences Affecting the Comparison of Nephelometer and Photographic Determinations of Light Extinction at Rural Sites in the Eastern United States.
PB92-195999/REB 92-01 PC **A03**/MF **A01**

EVANS, G.
Clean Air Act Requirements for Trace Metals Information.
PB92-164995/REB 92-01 PC **A02**/MF **A01**

EVANS, G. M.
U.S. EPA SITE Demonstration of AWD Technologies' Aqua-Detox/SVE System.
PB92-124387/REB 92-01 PC **A02**/MF **A01**

EVANS, J.
Technology Evaluation Report: Biotrol Soil Washing System for Treatment of a Wood Preserving Site. Volume 1.
PB92-115310/REB 92-01 PC **A13**/MF **A03**

Technology Evaluation Report: Biotrol Soil Washing System for Treatment of a Wood Preserving Site. Volume 2, Part A.
PB92-115328/REB 92-01 PC **A17**/MF **A04**

Technology Evaluation Report: Biotrol Soil Washing System for Treatment of a Wood Preserving Site. Volume 2, Part B.
PB92-115336/REB 92-01 PC **A15**/MF **A03**

EVANS, L. B.
QAQPS Control Cost Manual (Fourth Edition). Supplement 1.
PB92-137181/REB 92-01 PC **A05**/MF **A01**

EVERSON, F.
Storm and Combined Sewer Pollution Control: A Compilation of Significant References.
PB92-114560/REB 92-01 PC **A03**/MF **A01**

EWING, L. L.
Immature Rat Leydig Cells are Intrinsically Less Sensitive Than Adult Leydig Cells to Ethane Dimethanesulfonate.
PB92-232842/REB 92-04 PC **A03**/MF **A01**

EYRAUD, P.
Waste Reduction Activities and Options at a Printer of Forms and Supplies for the Legal Profession.
PB92-217496/REB 92-04 PC **A02**/MF **A01**

Waste Reduction Activities and Options for a Local Board of Education in New Jersey.
PB92-238476/REB 92-04 PC **A02**/MF **A01**

Waste Reduction Activities and Options for a Nuclear Powered Electrical Generating Station.
PB92-235654/REB 92-04 PC **A02**/MF **A01**

FABRIZIO, M. C.
Example Environmental Assessment Report for Estuaries.
PB92-102656/REB 92-01 PC **A04**/MF **A01**

FAIRBROTHER, A.
Clinical Biochemistry.
PB92-188762/REB 92-01 PC **A03**/MF **A01**

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Controlling Odorous Emissions from Iron Foundries.
PB92-166925/REB 92-01 PC **A03**/MF **A01**

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Soil-Air Permeability Method Evaluation.
PB92-124239/REB 92-01 PC **A02**/MF **A01**

Soil Vapor Extraction Column Experiments on Gasoline Contaminated Soil.
PB92-226430/REB 92-04 PC **A05**/MF **A01**

FAORO, R.
National Air Quality and Emissions Trends Report, 1990.
PB92-141555/REB 92-01 PC **A07**/MF **A02**

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Comparison of In vivo Cholinesterase Inhibition in Neonatal and Adult Rats by Three Organophosphorothioate Insecticides.
PB92-110550/REB 92-01 PC **A03**/MF **A01**

Long-Term Neurochemical and Behavioral Effects Induced by Acute Chlorpyrifos Treatment.
PB92-206366/REB 92-04 PC **A02**/MF **A01**

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Relationship between Free Liquids and Solids Content for Sewage Sludges.
PB92-227453/REB 92-04 PC **A03**/MF **A01**

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Forest Soil Response to Acid and Salt Additions of Sulfate. 1. Sulfur Constituents and Net Retention.
PB92-108182/REB 92-01 PC **A03**/MF **A01**

Forest Soil Response to Acid and Salt Additions of Sulfate: 2. Aluminum and Base Cations.
PB92-150549/REB 92-01 PC **A03**/MF **A01**

Sulfate Retention and Cation Leaching of Forest Soils in Response to Acid Additions.
PB92-153394/REB 92-01 PC **A03**/MF **A01**

FAUST, B. C.
Hydroxyl Radical Formation in Aqueous Reactions (pH 3-8) of Iron(II) with Hydrogen Peroxide: The Photo-Fenton Reaction.
PB92-153824/REB 92-01 PC **A02**/MF **A01**

FEDKIW, J.
Nitrate Occurence in U.S. Waters (and Related Questions). A Reference Summary of Published Sources from an Agricultural Perspective.
PB92-155696/REB 92-01 PC **A03**/MF **A01**

FEIGE, W. A.
Drinking Water Research Division's Research Activities in Support of EPA's Regulatory Agenda.
PB92-124197/REB 92-01 PC **A03**/MF **A01**

FELTZ, K.
Determination and Occurrence of AHH-Active Polychlorinated Biphenyls, 2,3,7,8-Tetrachloro-p-Dioxin and 2,3,7,8-Tetrachlorodibenzofuran in Lake Michigan Sediment and Biota. The Question of Their Relative Toxicological Significance.
PB92-108125/REB 92-01 PC **A03**/MF **A01**

FENSTERMAKER, L. K.
Direct/Delayed Response Project: Soil Characterization Comparison.
PB92-153428/REB 92-01 PC **A16**/MF **A03**

FERB, R. J.
Capsule Report: Bahco Flue Gas Desulfurization and Particulate Removal System.
PB92-179902/REB 92-01 PC **A03**/MF **A01**

FERNANDEZ, I. J.
Soil Response to S and N Treatments in a Northern New England Low Elevation Coniferous Forest.
PB92-150556/REB 92-01 PC **A03**/MF **A01**

FIEBER, J. L.
Guideline for Regulatory Application of the Urban Airshed Model for Areawide Carbon Monoxide. Volume 1. Technical Report.
PB92-213222/REB 92-04 PC **A04**/MF **A01**

Guideline for Regulatory Application of the Urban Airshed Model for Areawide Carbon Monoxide. Volume 2. Appendices.
PB92-213230/REB 92-04 PC **A04**/MF **A01**

FIEDLER, L.
Innovative Treatment Technologies: Semi-Annual Status Report. (Third Edition).
PB92-173210/REB 92-01 PC **A05**/MF **A01**

FIELAND, V. P.
Formation of Transconjugants on Plating Media Following 'In situ' Conjugation Experiments.
PB92-180330/REB 92-01 PC **A02**/MF **A01**

FIELD, R.
Combined Sewer Overflow: Balancing Flow for CSO Abatement.
PB92-179761/REB 92-01 PC **A02**/MF **A01**

Demonstration of in-Receiving Water Storage of Combined Sewer Overflows: In a Marine/Estuarine Environment by the Flow Balance Method.
PB92-158575/REB 92-01 PC **A02**/MF **A01**

Detection and Disinfection of Pathogens in Storm-Generated Flows.
PB92-209311/REB 92-04 PC **A03**/MF **A01**

Handling and Disposal of Sludges and Residuals from Combined Sewer Overflow Treatment.
PB92-158567/REB 92-01 PC **A02**/MF **A01**

Non-Stormwater Discharges into Storm Drainage Systems.
PB92-158559/REB 92-01 PC **A03**/MF **A01**

Storage of Combined Sewage in a Marine Waterbody.
PB92-158542/REB 92-01 PC **A03**/MF **A01**

Storm and Combined Sewer Pollution Control: A Compilation of Significant References.
PB92-114560/REB 92-01 PC **A03**/MF **A01**

U.S. Environmental Protection Agency Research Program on the Environmental Impacts and Control of Highway Deicing Salt Pollution.
PB92-179688/REB 92-01 PC **A03**/MF **A01**

U.S. EPA's Manual of Practice for the Investigation and Control of Cross-Connection Pollution into Storm Drainage Systems.
PB92-217074/REB 92-04 PC **A02**/MF **A01**

FIELDING, T. E.
Development Document for Best Available Technology, Pretreatment Technology, and New Source Performance Technology for the Pesticide Chemical Industry. Proposed. (Pesticide Chemicals Manufacturing Category Effluent Limitations Guidelines, Pretreatment Standards, and New Source Performance Standards).
PB92-173541/REB 92-01 PC **A21**/MF **A04**

Methods for the Determination of Nonconventional Pesticides in Municipal and Industrial Wastewater.
PB92-190289/REB 92-01 PC **A99**/MF **E08**

FILLER, R. S.
Methods for Assessing Rat Sperm Motility.
PB92-195825/REB 92-01 PC **A02**/MF **A01**

FINCH, G. R.
Comparison of Animal Infectivity, Excystation, and Fluorogenic Dye as Measures of 'Giardia muris' Cyst Inactivation by Ozone.
PB92-124288/REB 92-01 PC **A02**/MF **A01**

FINKEL, J. M.
Standard Measurement Protocols: Florida Radon Research Program.
PB92-115294/REB 92-01 PC **A06**/MF **A02**

FISCHBACH, T. J.
Evaluation of Alternative Samplers for Bioaerosols. Phase 1. Physical Sampling Efficiency.
PB92-161918/REB 92-01 PC **A04**/MF **A01**

FISH, W.
Chemical Enhancements to Pump-and-Treat Remediation. Ground Water Issue.
PB92-180074/REB 92-01 PC **A03**/MF **A01**

FISHBEIN, B. K.
European Packaging Initiatives: Leading the Way on Source Reduction.
PB92-206242/REB 92-04 PC **A02**/MF **A01**

FISHER, H. L.
Age-Related Percutaneous Penetration of 2-sec-Butyl-4-6-Dinitrophenol (Dinoseb) in Rats.
PB92-227495/REB 92-04 PC **A03**/MF **A01**

FISHER, L. T.
GIS Technical Memorandum 3: Global Positioning Systems Technology and Its Application in Environmental Programs.
PB92-169358/REB 92-01 PC **A04**/MF **A01**

FISHER, W. S.
Disease Incidence and Potential Mechanisms of Defense for MSX-Resistant and -Susceptible Eastern Oysters Held in Chesapeake Bay.
PB92-195650/REB 92-01 PC **A02**/MF **A01**

FISHSTROM, J.
Technology Evaluation Report: SITE Program Demonstration Test Horsehead Resource Development Company, Inc., Flame Reactor Technology, Monaca, Pennsylvania.
PB92-205855/REB 92-04 PC **A07**/MF **A02**

FISK, W. J.
Modeling Radon Entry into Florida Houses with Concrete Slabs and Concrete-Block Stem Walls.
PB92-201128/REB 92-04 PC **A06**/MF **A02**

FITZ-SIMONS, T.
Meteorological and Site Influences Affecting the Comparison of Nephelometer and Photographic Determinations of Light Extinction at Rural Sites in the Eastern United States.
PB92-195999/REB 92-01 PC **A03**/MF **A01**

National Air Quality and Emissions Trends Report, 1990.
PB92-141555/REB 92-01 PC **A07**/MF **A02**

FLETCHER, J.
Effects of Glean, a Sulfonylurea Herbicide, on the Reproductive Biology and Fruit Set in Cherry Trees. Progress Report to Region 10.
PB92-142652/REB 92-01 PC **A03**/MF **A01**

Plant Tier Testing: A Workshop to Evaluate Nontarget Plant Testing in Subdivision J Pesticide Guidelines. Held in Corvallis, Oregon on November 29-December 1, 1990.
PB92-116052/REB 92-01 PC **A12**/MF **A03**

FLETCHER, M.
Mixed-Species Colonization of Solid Surfaces in Laboratory Biofilms.
PB92-195692/REB 92-01 PC **A03**/MF **A01**

FLOCK, G. H.
Proceedings of a Conference: Water Quality Standards for the 21st Century. Held in Arlington, Virginia, on December 10-12, 1990.
PB92-231828/REB 92-04 PC **A12**/MF **A03**

Proceedings of a National Conference: Water Quality Standards for the 21st Century. Held in Dallas, Texas on March 1-3, 1989.
PB92-231810/REB 92-04 PC **A11**/MF **A03**

FLUKER, S. S.
Pesticide Safety for Farmworkers (Uso Seguro de Pesticidas para los Trabajadores del Campo).
PB92-224344/REB 92-04 PC **A03**

FLYNN, M. R.
Numerical Calculation: Aspiration Efficiency of Aerosols into Thin-Walled Sampling Inlets.
PB92-132901/REB 92-01 PC **A06**/MF **A02**

FOGELSON, L.
Acute Effects of Diisopropyl Fluorophosphate (DFP) on Autonomic and Behavioral Thermoregulatory Responses in the Long-Evans Rat.
PB92-124668/REB 92-01 PC **A03**/MF **A01**

Relationship between Cholinesterase Inhibition and Thermoregulation Following Exposure to Diisopropyl Fluorophosphate in the Rat.
PB92-158658/REB 92-01 PC **A02**/MF **A01**

FOLINSBEE, L. J.
Summary of Selected New Information on Effects of Ozone on Health and Vegetation: Supplement to 1986 Air Quality Criteria for Ozone and Other Photochemical Oxidants.
PB92-235670/REB 92-04 PC **A05**/MF **A02**

FOLSOM, B.
Waste Combustion System Analysis.
PB92-125418/REB 92-01 PC **A06**/MF **A02**

FOLSOM, B. R.
Performance Characterization of a Model Bioreactor for the Biodegradation of Trichloroethylene by 'Pseudomonas cepacia' G4.
PB92-129717/REB 92-01 PC **A02**/MF **A01**

FORNDRAN, A.
Combined Sewer Overflow: Balancing Flow for CSO Abatement.
PB92-179761/REB 92-01 PC **A02**/MF **A01**

Demonstration of in-Receiving Water Storage of Combined Sewer Overflows: In a Marine/Estuarine Environment by the Flow Balance Method.
PB92-158575/REB 92-01 PC **A02**/MF **A01**

Storage of Combined Sewage in a Marine Waterbody.
PB92-158542/REB 92-01 PC **A03**/MF **A01**

FORRER, J.
Fungicide Benomyl(Methyl 1-(Butylcarbamoyl)-2-Benzimidazolecarbamate) Causes Testicular Dysfunction by Inducing the Sloughing of Germ Cells and Occlusion of Efferent Ductules.
PB92-150796/REB 92-01 PC **A03**/MF **A01**

FOSS, S. S.
Fate of 'Bacillus sphaericus' 2362 Spores Following Ingestion by Nontarget Invertebrates.
PB92-129774/REB 92-01 PC **A03**/MF **A01**

FOUNTOS, B. N.
Health Assessment Document for Talc.
PB92-239524/REB 92-04 PC **A04**/MF **A01**

FOURNEIR, D.
Behavior of Arsenic in a Rotary Kiln Incinerator (Journal Version).
PB92-179845/REB 92-01 PC **A02**/MF **A01**

FOURNIE, J. W.
Carcinoma of the Exocrine Pancreas in Medaka.
PB92-129782/REB 92-01 PC **A02**/MF **A01**

FOURNIER, D. J.
Trace Metal Fate in a Rotary Kiln Incinerator with an Ionizing Wet Scrubber (Journal Article).
PB92-110568/REB 92-01 PC **A02**/MF **A01**

FOWLE, J. R.
Health Effects of Arsenic in Drinking Water.
PB92-110360/REB 92-01 PC **A03**/MF **A01**

Review of the Mutagenicity of Ethylene Oxide.
PB92-124569/REB 92-01 PC **A03**/MF **A01**

FOWLER, C. S.
Development of Alternate Performance Standard for Radon Resistant Construction Based on Short-Term/Long-Term Indoor Radon Concentrations. Volume 1. Technical Report.
PB92-115211/REB 92-01 PC **A05**/MF **A01**

Development of Alternate Performance Standard for Radon Resistant Construction Based on Short-Term/Long-Term Indoor Radon Concentrations. Volume 2. Appendices.
PB92-115229/REB 92-01 PC **A04**/MF **A01**

FOX, K.
Prevention of Waterborne Cholera in the United States.
PB92-136886/REB 92-01 PC **A02**/MF **A01**

FOX, K. R.
Searching for a Water Supply Connection in the Cabool, Missouri Disease Outbreak of 'Escherichia coli' 0157:H7.
PB92-235662/REB 92-04 PC **A03**/MF **A01**

FOX, T. C.
Automated Aqueous Rotary Washer for the Metal Finishing Industry. Technology Evaluation Report.
PB92-232214/REB 92-04 PC **A04**/MF **A01**

FRANCIS, B. M.
Developmental Toxicity of Bromoxynil in Mice and Rats.
PB92-113265/REB 92-01 PC **A02**/MF **A01**

Significance of Supernumerary Ribs in Rodent Developmental Toxicity Studies: Postnatal Persistence in Rats and Mice.
PB92-113299/REB 92-01 PC **A02**/MF **A01**

FRANK, N.
National Air Quality and Emissions Trends Report, 1990.
PB92-141555/REB 92-01 PC **A07**/MF **A02**

FRANK, U.
Permeation Resistance of Glove Materials to Agricultural Pesticides.
PB92-227396/REB 92-04 PC **A03**/MF **A01**

Personnel Protection through Reconnaissance Robotics at Superfund Remedial Sites.
PB92-166743/REB 92-01 PC **A02**/MF **A01**

FRANKFURT, M.
5,7-Dihydroxytryptamine Injections Increase Glial Fibrillary Acidic Protein in the Hypothalamus of Adult Rats.
PB92-143924/REB 92-01 PC **A01**/MF **A01**

FREAS, W.
National Air Quality and Emissions Trends Report, 1990.
PB92-141555/REB 92-01 PC **A07**/MF **A02**

FREEDMAN, P. L.
Technical Guidance Manual for Performing Waste Load Allocations. Book 3: Estuaries. Part 4: Critical Review of Estuarine WLA Modeling.
PB92-231752/REB 92-04 PC **A04**/MF **A01**

FREEMAN, H.
Color Yes; Cancer No.
PB92-110477/REB 92-01 PC **A03**/MF **A01**

FREEMAN, H. S.
Approach to the Design of Nonmutagenic Azo Dyes: Analogues of the Mutagen 4-Amino-3-Methoxyazobenzene (Chapter 4).
PB92-206556/REB 92-04 PC **A03**/MF **A01**

FREEMAN, J. H.
Eyeblink Conditioning in the Developing Rat.
PB92-232982/REB 92-04 PC **A03**/MF **A01**

FREESTONE, F. J.
Closure of a Dioxin Incineration Facility.
PB92-191170/REB 92-01 PC **A03**/MF **A01**

FREY, M. V.
Toxicity Reduction Evaluation: Case Histories at High Point and Fayetteville, North Carolina.
PB92-222231/REB 92-04 PC **A08**/MF **A02**

FREYBERG, R. W.
Asbestos Concentrations Two Years After Abatement in Seventeen Schools.
PB92-158476/REB 92-01 PC **A03**/MF **A01**

Asbestos Fiber Release during Change-Out of Filter Bags from HEPA-Filtered Vacuum Cleaners.
PB92-113208/REB 92-01 PC **A02**/MF **A01**

FRIEDMAN, M.
Differences in Arachidonic Acid Metabolism by Human Myelomonocytic Cell Lines.
PB92-217215/REB 92-04 PC **A02**

FRISCH, A. A.
Distribution of Submerged Aquatic Vegetation in the Chesapeake Bay and Tributaries and Chincoteague Bay - 1990.
PB92-145366/REB 92-01 PC **A13**

FRITHSEN, J. B.
Example Environmental Assessment Report for Estuaries.
PB92-102656/REB 92-01 PC **A04**/MF **A01**

FROSTHOLM, D. L.
Evaluating Design and Verifying Compliance of Created Wetlands in the Vicinity of Tampa, Florida.
PB92-116045/REB 92-01 PC **A06**/MF **A02**

Pilot Study to Compare Created and Natural Wetlands in Western Washington and Evaluate Methods.
PB92-136811/REB 92-01 PC **A04**/MF **A01**

FULLER, C. C.
Spatial Variability of Geochemical and Hydrologic Properties of Subsurface Materials in a Sand and Gravel Aquifer, Cape Cod, Massachusetts.
PB92-179126/REB 92-01 PC **A02**/MF **A01**

FUSCOE, J. C.
Direct DNA Sequencing of PCR Products.
PB92-150671/REB 92-01 PC **A01**/MF **A01**

GABELE, P.
Impact of Methanol and CNG Fuels on Motor Vehicle Toxic Emissions.
PB92-110378/REB 92-01 PC **A03**/MF **A01**

GADSBY, K.
Effect of Natural Ventilation on Radon and Radon Progeny Levels in Houses.
PB92-124148/REB 92-01 PC **A03**/MF **A01**

Effects of Natural and Forced Basement Ventilation on Radon Levels in Single Family Dwellings.
PB92-192194/REB 92-01 PC **A04**/MF **A01**

Natural Basement Ventilation as a Radon Mitigation Technique.
PB92-166958/REB 92-01 PC **A03**/MF **A01**

GADSBY, K. J.
Modeling Air Flow Dynamics in Radon Mitigation Systems: A Simplified Approach.
PB92-120427/REB 92-01 PC **A02**/MF **A01**

Simplified Modeling of Air Flow Dynamics in SSD Radon Mitigation Systems for Residences with Gravel Beds.
PB92-195635/REB 92-01 PC **A05**/MF **A01**

GAGE, C. L.
Predictions of Azeotropes Formed from Fluorinated Ethers, Ethanes, and Propanes.
PB92-195908/REB 92-01 PC **A03**/MF **A01**

Thermodynamic Evaluation of Predicted Fluorinated Ether, Ethane, and Propane Azeotropes.
PB92-198241/REB 92-04 PC **A03**/MF **A01**

GAIRE, R.
Control Technologies for Defunct lead Battery Recycling Sites: Overview and Recent Developments. Volume 3.
PB92-150416/REB 92-01 PC **A03**/MF **A01**

Control Technologies for Remediation of Contaminated Soil and Waste Deposits at Superfund Lead Battery Recycling Sites.
PB92-227388/REB 92-04 PC **A03**/MF **A01**

Selection of Control Technologies for Remediation of Lead Battery Recycling Sites.
PB92-114537/REB 92-01 PC **A08**/MF **A02**

GAIROLA, C. G.
Cigarette Smoke-Induced DNA Adducts in the Respiratory and Nonrespiratory Tissues of Rats.
PB92-189083/REB 92-01 PC **A02**/MF **A01**

GALLAGHER, J. E.
Improvement in the Diagnostic Potential of (32)P-Postlabeling Analysis Demonstrated by the Selective Formation and Comparative Analysis of Nitrated-PAH-Derived Adducts Arising from Diesel Particle Extracts.
PB92-110485/REB 92-01 PC **A02**/MF **A01**

GANNON, J.
Effect of Sodium Chloride on Transport of Bacteria in a Saturated Aquifer Material.
PB92-110428/REB 92-01 PC **A02**/MF **A01**

GANNON, J. T.
Bacterial Transport through Homogeneous Soil.
PB92-153329/REB 92-01 PC **A02**/MF **A01**

GANTILLI, R.
Drinking Water Health Advisory for Ammonia.
PB92-135425/REB 92-01 PC **A03**/MF **A01**

GAO, C.
Development of Predictive Structure-Biodegradation Relationship Models with the Use of Respirometrically Generated Biokinetic Data.
PB92-191196/REB 92-01 PC **A03**/MF **A01**

GARABEDIAN, S. P.
Effect of the Geochemical Environment on Heavy-Metal Transport in Ground Water.
PB92-179134/REB 92-01 PC **A03**/MF **A01**

GARDNER, L.
User's Guide for the Urban Airshed Model. Volume 4. User's Manual for the Emissions Preprocessor System 2.0. Part A: Core FORTRAN System.
PB92-226232/REB 92-04 PC **A19**/MF **A04**

GARDNER, T.
Technology Evaluation Report: SITE Program Demonstration Test Horsehead Resource Development Company, Inc., Flame Reactor Technology, Monaca, Pennsylvania.
PB92-205855/REB 92-04 PC **A07**/MF **A02**

GARG, A.
DNA Adducts of the Antitumor Agent Diaziquone.
PB92-150739/REB 92-01 PC **A02**/MF **A01**

Potential of Carp to Bioactivate Benzo(a)pyrene to Metabolites That Bind to DNA.
PB92-189034/REB 92-01 PC **A02**/MF **A01**

GARG, D.
Removing Radium from Water by Plain and Treated Activated Alumina.
PB92-164789/REB 92-01 PC **A05**/MF **A01**

GARG, S.
Technical Implementation Document for EPA's Boiler and Industrial Furnace Regulations.
PB92-154947/REB 92-01 PC **A11**/MF **A03**

GARGAS, M. L.
Physiologically Based Toxicokinetic Model for the Uptake and Disposition of Waterborne Organic Chemicals in Fish.
PB92-136902/REB 92-01 PC **A03**/MF **A01**

GARRETT, N. E.
Genetic Activity Profile Database.
PB92-189091/REB 92-01 PC **A02**/MF **A01**

GATCHETT, A. M.
U.S. Environmental Protection Agency's SITE Emerging Technology Program: 1991 Update.
PB92-150663/REB 92-01 PC **A02**/MF **A01**

GATTIE, D. K.
Predicting Chemical Concentration Effects on Transformation Rates of Dissolved Organics by Complex Microbial Assemblages.
PB92-101393/REB 92-01 PC **A03**/MF **A01**

Treating Soil Solution Samplers to Prevent Microbial Removal of Analytes.
PB92-166610/REB 92-01 PC **A02**/MF **A01**

GAVASKAR, A. R.
Automated Aqueous Rotary Washer for the Metal Finishing Industry. Technology Evaluation Report.
PB92-232214/REB 92-04 PC **A04**/MF **A01**

Automotive and Heavy-Duty Engine Coolant Recycling by Distillation: Technology Evaluation Report.
PB92-153444/REB 92-01 PC **A05**/MF **A01**

Automotive and Heavy-Duty Engine Coolant Recycling by Filtration. Technology Evaluation Report.
PB92-126804/REB 92-01 PC **A05**/MF **A01**

GAY, B. W.
Open Path Ambient Measurements of Pollutants with a DOAS System.
PB92-192160/REB 92-01 PC **A02**/MF **A01**

Summary of the 1991 EPA/AWMA International Symposium: Measurement of Toxic and Related Air Pollutants. Held in Durham, North Carolina on May 6-10, 1991.
PB92-110386/REB 92-01 PC **A03**/MF **A01**

GAY, C. A.
Impacts of Climate Change on Rice Yield: Evaluation of the Efficacy of Different Modeling Approaches.
PB92-188754/REB 92-01 PC **A04**/MF **A01**

GEBHARD, R. L.
Proximity of Louisiana Sanitary Landfills to Wetlands and Deepwater Habitats.
PB92-164953/REB 92-01 PC **A02**/MF **A01**

GEISNER, R. L.
Reclaiming Fiber from Newsprint Dry Methods.
PB92-153949/REB 92-01 PC **A03**/MF **A01**

GELDREICH, E. E.
Compliance Concerns with the New Coliform Regulation.
PB92-179696/REB 92-01 PC **A02**/MF **A01**

Microbiological Changes in Source Water Treatment: Reflections in Distribution Water Quality.
PB92-217363/REB 92-04 PC **A03**/MF **A01**

Opportunistic Organisms and the Water Supply Connection.
PB92-179704/REB 92-01 PC **A03**/MF **A01**

Searching for a Water Supply Connection in the Cabool, Missouri Disease Outbreak of 'Escherichia coli' 0157:H7.
PB92-235662/REB 92-04 PC **A03**/MF **A01**

Visions of the Future in Drinking Water Microbiology.
PB92-179852/REB 92-01 PC **A02**/MF **A01**

GENEROSO, W. M.
Review of the Mutagenicity of Ethylene Oxide.
PB92-124569/REB 92-01 PC **A03**/MF **A01**

GENTHNER, F. J.
Fate of 'Bacillus sphaericus' 2362 Spores Following Ingestion by Nontarget Invertebrates.
PB92-129774/REB 92-01 PC **A03**/MF **A01**

Heterotrophic Bacteria of the Freshwater Neuston and Their Ability to Act as Plasmid Recipients under Nutrient Deprived Conditions.
PB92-129766/REB 92-01 PC **A03**/MF **A01**

GEORGE, E. L.
Achievements in Source Reduction and Recycling for Ten Industries in the United States.
PB92-137470/REB 92-01 PC **A04**/MF **A01**

GEORGE, G. K.
Application of Modified Aluminon and GFAAS Methods to Beryllium Determination in Drinking Water.
PB92-180199/REB 92-01 PC **A02**/MF **A01**

Comparison of Methods for Determination of Dissolved Inorganic Carbon (DIC).
PB92-179712/REB 92-01 PC **A03**/MF **A01**

Comprehensive Evaluation of a Field Test Kit for Lead.
PB92-179720/REB 92-01 PC **A03**/MF **A01**

GEORGE, M. H.
Improvement in the Diagnostic Potential of (32)P-Postlabeling Analysis Demonstrated by the Selective Formation and Comparative Analysis of Nitrated-PAH-Derived Adducts Arising from Diesel Particle Extracts.
PB92-110485/REB 92-01 PC **A02**/MF **A01**

GEORGE, S. E.
2,4,5-Trichlorophenoxyacetic Acid Influence on 2,6-Dinitrotoluene-Induced Urine Genotoxicity in Fisher 344 Rats: Effect on Gastrointestinal Microflora and Enzyme Activity.
PB92-206309/REB 92-04 PC **A02**/MF **A01**

Effect of Pentachlorophenol on the Activation of 2,6-Dinitrotoluene to Genotoxic Urinary Metabolites in CD-1 Mice: A Comparison of GI Enzyme Activities and Urine Mutagenicity.
PB92-150895/REB 92-01 PC **A03**/MF **A01**

GERALD, L. N.
Oil and Gas Field Emissions Survey.
PB92-184977/REB 92-01 PC **A14**/MF **A03**

GERBER, D. R.
Asbestos Concentrations Two Years After Abatement in Seventeen Schools.
PB92-158476/REB 92-01 PC **A03**/MF **A01**

GERLACH, R. W.
Superfund Innovative Technology Evaluation Program Demonstration Plan for Westinghouse Bio-Analytic Systems Pentachlorophenol Immunoassays.
PB92-170190/REB 92-01 PC **A08**/MF **A02**

Superfund Innovative Technology Evaluation (Site) Report for the Westinghouse Bio-Analytic Systems Pentachlorophenol (PCP) Immunoassays.
PB92-188713/REB 92-01 PC **A06**/MF **A02**

GERMANI, M. S.
Physical and Chemical Characterization of Indoor Aerosols Resulting from the Use of Tap Water in Portable Home Humidifiers.
PB92-188937/REB 92-01 PC **A02**/MF **A01**

GERMANN, P. F.
Inferences about Solute Transport in Macroporous Forest Soils from Time Series Models.
PB92-150572/REB 92-01 PC **A03**/MF **A01**

GERON, C. D.
Seasonal and Annual Biogenic Emission Inventories for the U.S. and Canada.
PB92-139427/REB 92-01 PC **A03**/MF **A01**

GERRITSEN, J.
Example Environmental Assessment Report for Estuaries.
PB92-102656/REB 92-01 PC **A04**/MF **A01**

GERRITY, T. R.
Ineffectiveness of Cough for Enhancing Mucus Clearance in Asymptomatic Smokers.
PB92-233022/REB 92-04 PC **A02**/MF **A01**

GERSTLE, R. W.
Relationship between Free Liquids and Solids Content for Sewage Sludges.
PB92-227453/REB 92-04 PC **A03**/MF **A01**

GERWIN, B. I.
Human Bronchial Epithelial Cell Strain with Unusual In vitro Growth Potential Which Undergoes Neoplastic Transformation after SV40 T Antigen Gene Transfection.
PB92-206358/REB 92-04 PC **A03**/MF **A01**

GERY, M. W.
Protocols for Evaluating Oxidant Mechanisms for Urban and Regional Models.
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GHASSEMI, M.
Review of Energy Efficiency of Refrigerator/Freezer Gaskets.
PB92-106913/REB 92-01 PC **A03**/MF **A01**

GHIO, A. J.
Reduction of Neutrophil Influx Diminishes Lung Injury and Mortality Following Phosgene Inhalation.
PB92-227420/REB 92-04 PC **A03**/MF **A01**

GIBSON, J. F.
Evaluation of a Sampling and Analysis Method for Determination of Polyhalogenated Dibenzo-p-Dioxins and Dibenzofurans in Ambient Air.
PB92-129600/REB 92-01 PC **A02**/MF **A01**

GIBSON, S. A.
Stimulation of Reductive Dechlorination of Tetrachloroethene in Anaerobic Aquifer Microcosms by Addition of Short-Chain Organic Acids or Alcohols.
PB92-206465/REB 92-04 PC **A01**/MF **A01**

GILBERT, M. E.
Characterization of Chemical Kindling with the Pesticide Endosulfan.
PB92-189059/REB 92-01 PC **A02**/MF **A01**

Colchicine-Induced Deafferentation of the Hippocampus Selectively Disrupts Cholinergic Rhythmical Slow Wave Activity.
PB92-120476/REB 92-01 PC **A03**/MF **A01**

Potentiation of Inhibition with Perforant Path Kindling: An NMDA-Receptor Dependent Process.
PB92-120468/REB 92-01 PC **A02**/MF **A01**

Proconvulsant Activity of Endosulfan in Amygdala Kindling.
PB92-189000/REB 92-01 PC **A02**/MF **A01**

GILL, B. S.
Application of a Plant Test System in the Identification of Potential Genetic Hazards at Chemical Waste Sites.
PB92-124551/REB 92-01 PC **A03**/MF **A01**

Application of Tradescantia Micronucleus Assay for In situ Evaluation of Potential Genetic Hazards from Exposure to Chemicals at a Wood-Preserving Site.
PB92-217231/REB 92-04 PC **A02**/MF **A01**

Evaluation of 10 Chemicals for Aneuploidy Induction in the Hexaploid Wheat Assay.
PB92-113307/REB 92-01 PC **A02**/MF **A01**

GILL, M. W.
Interlaboratory Comparison of Motor Activity Experiments: Implications for Neurotoxicological Assessments.
PB92-143916/REB 92-01 PC **A03**/MF **A01**

GINN, T. C.
Neanthes Long-Term Exposure Experiment: Further Evaluation of the Relationship between Juvenile Growth and Reproductive Success.
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GLASER, J. A.
Hazardous Waste Degradation by Wood Degrading Fungi.
PB92-217082/REB 92-04 PC **A03**/MF **A01**

GLASS, G. E.
Mercury Deposition and Sources for the Upper Great Lakes Region.
PB92-120500/REB 92-01 PC **A03**/MF **A01**

Mercury in the St. Louis River, Mississippi River, Crane Lake, and Sand Point Lake: Cycling, Distribution, and Sources. Report to the Legislative Commission on Minnesota Resources.
PB92-195957/REB 92-01 PC **A07**/MF **A02**

GLEN, W. G.
Comparison of SIMCA Pattern Recognition and Library Search Identification of Hazardous Compounds from Mass Spectra.
PB92-227362/REB 92-04 PC **A03**/MF **A01**

GOLD, A.
Ozonation Byproducts: Identification of Bromohydrins from the Ozonation Natural Waters with Enhanced Bromide Levels.
PB92-232958/REB 92-04 PC **A02**/MF **A01**

GOLDMAN, J. M.
Assessment of Toxicant-Induced Alterations in the Luteinizing Hormone Control of Ovulation in the Rat.
PB92-150515/REB 92-01 PC **A03**/MF **A01**

Effect of Inhaled Methanol on Pituitary and Testicular Hormones in Chamber Acclimated and Non-Acclimated Rats.
PB92-150788/REB 92-01 PC **A03**/MF **A01**

Influence of Chlordimeform on Alpha-Adrenergic Receptor-Associated Mechanisms of Hormonal Regulation in the Rat: Pituitary and Adrenocortical Secretion.
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Measuring Sexual Behavior in the Female Rat.
PB92-179076/REB 92-01 PC **A03**/MF **A01**

Monitoring of the Estrous Cycle in the Laboratory Rodent by Vaginal Lavage.
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Neuroendocrine Responses to Social Regulation of Puberty in the Female House Mouse.
PB92-179779/REB 92-01 PC **A03**/MF **A01**

Use of Perifusion to Evaluate Hormonal Release In vitro from Rat Pituitary and Hypothalamic Tissue.
PB92-158534/REB 92-01 PC **A03**/MF **A01**

GOLDMAN, R. F.
Evaluation of Personal Cooling Devices for Dioxin Clean-Up Operation.
PB92-206895/REB 92-04 PC **A05**/MF **A01**

GOLDSTEIN, J. A.
Disposition of 2,3,7,8-Tetrabromodibenzo-p-Dioxin and 2,3,7,8-Tetrachlorodibenzo-p-dioxin in the Rat: Biliary Excretion and Induction of Cytochromes CYP1A1 and CYP1A2.
PB92-150747/REB 92-01 PC **A03**/MF **A01**

GOOD, J. W.
Trends and Patterns in Section 404 Permitting Requiring Compensatory Mitigation in Oregon and Washington, USA.
PB92-153907/REB 92-01 PC **A03**/MF **A01**

GOODMAN, L. R.
Effects of Fenvalerate on the Early Life Stages of Topsmelt ('Atherinops affinis').
PB92-195684/REB 92-04 PC **A02**/MF **A01**

GOODRICH, B.
User's Guide for the Urban Airshed Model. Volume 6. User's Manual for the Postprocessing System.
PB92-145382/REB 92-01 PC **A06**/MF **A02**

GOODRICH, B. R.
Regional Ozone Modeling for Northeast Transport (ROMNET).
PB92-108786/REB 92-01 PC **A15**/MF **A03**

Regional Ozone Modeling for Northeast Transport (ROMNET). Appendices.
PB92-108794/REB 92-01 PC **A15**/MF **A03**

GOODRICH, J. A.
Drinking Water from Agriculturally Contaminated Groundwater.
PB92-195874/REB 92-01 PC **A03**/MF **A01**

Field-Testing Distribution Water Quality Models.
PB92-113182/REB 92-01 PC **A03**/MF **A01**

Safe Drinking Water from Small Systems: Treatment Options.
PB92-198605/REB 92-04 PC **A02**/MF **A01**

Searching for a Water Supply Connection in the Cabool, Missouri Disease Outbreak of 'Escherichia coli' 0157:H7.
PB92-235662/REB 92-04 PC **A03**/MF **A01**

GOODWIN, A. R. H.
Thermophysical Properties of Gaseous Refrigerants from Speed-of-Sound Measurements. 2. Results for 1,1-dichloro-1-fluoroethane (CCl2FCH3).
PB92-154277 92-01 Not available NTIS

GORDON, C. J.
Acute Effects of Diisopropyl Fluorophosphate (DFP) on Autonomic and Behavioral Thermoregulatory Responses in the Long-Evans Rat.
PB92-124668/REB 92-01 PC **A03**/MF **A01**

Dynamics of Behavioral Thermoregulation in the Rat.
PB92-124619/REB 92-01 PC **A02**/MF **A01**

Measurement of Behavioral Thermoregulation.
PB92-217033/REB 92-04 PC **A03**/MF **A01**

Relationship between Cholinesterase Inhibition and Thermoregulation Following Exposure to Diisopropyl Fluorophosphate in the Rat.
PB92-158658/REB 92-01 PC **A02**/MF **A01**

GORDON, D. G.
Sunken Vessels and Aircraft Containing Hazardous Materials in Puget Sound.
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GORDON, D. M.
Estimating the Rate of Plasmid Transfer: An End-Point Method.
PB92-129626/REB 92-01 PC **A02**/MF **A01**

GOVIND, R.
Development of Predictive Structure-Biodegradation Relationship Models with the Use of Respirometrically Generated Biokinetic Data.
PB92-191196/REB 92-01 PC **A03**/MF **A01**

Respirometric Methods for Determination of Biodegradability and Biodegradation Kinetics for Hazardous Organic Pollutant Compounds.
PB92-217108/REB 92-04 PC **A03**/MF **A01**

GOYDAN, R.
Improvement of PMN Review Procedures to Estimate Protective Clothing Performance. Executive Summary Report.
PB92-105691/REB 92-01 PC **A03**/MF **A01**

Permeation of Multifunctional Acrylates through Selected Protective Glove Materials.
PB92-153915/REB 92-01 PC **A02**/MF **A01**

Permeation of Multifunctional Acrylates through Three Protective Clothing Materials.
PB92-164797/REB 92-01 PC **A06**/MF **A02**

Permeation Resistance of Glove Materials to Agricultural Pesticides.
PB92-227396/REB 92-04 PC **A03**/MF **A01**

GRAHAM, D. E.
Exposure of Humans to a Volatile Organic Mixture. 3. Inflammatory Response.
PB92-217223/REB 92-04 PC **A02**/MF **A01**

GRAY, J. A.
Neural Factors in the Development of Renal Function: Effect of Neonatal Central Catecholaminergic Lesions with 6-Hydroxydopamine.
PB92-120492/REB 92-01 PC **A02**/MF **A01**

GRAY, L. E.
Compound-Induced Alterations of Sexual Differentiation: A Review of Effects in Humans and Rodents.
PB92-158583/REB 92-01 PC **A03**/MF **A01**

GRAY, W.
Analysis of Factors Affecting Methane Gas Recovery from Six Landfills.
PB92-101351/REB 92-01 PC **A13**/MF **A03**

GRAYMAN, W. M.
Expert Systems Show Promise for Customer Inquiries. Management and Operations.
PB92-166636/REB 92-01 PC **A02**/MF **A01**

Field-Testing Distribution Water Quality Models.
PB92-113182/REB 92-01 PC **A03**/MF **A01**

GRBIC-GALIC, D.
Methodologies for Evaluating In situ Bioremediation of Chlorinated Solvents.
PB92-146943/REB 92-01 PC **A05**/MF **A02**

Microbial Degradation of Toluene under Sulfate-Reducing Conditions and the Influence of Iron on the Process.
PB92-166735/REB 92-01 PC **A02**/MF **A01**

GREATHOUSE, D.
AL and the Environment: Knowledge-Based Tools for Environmental Decision Makers.
PB92-153345/REB 92-01 PC **A01**/MF **A01**

PAST: The Potential ARARs Selection Tool.
PB92-152941/REB 92-01 PC **A02**/MF **A01**

GREATHOUSE, D. G.
Intelligent Processing Equipment within the Environmental Protection Agency.
N92-24997/8/REB 92-01
(Order as N92-24987/9/REB, PC **A10**/MF **A03**)

Intelligent Processing Equipment within the Environmental Protection Agency.
PB92-217330/REB 92-04 PC **A02**/MF **A01**

GREENBERG, J.
No Migration Variances to the Hazardous Waste Land Disposal Prohibitions: A Guidance Manual for Petitioners (July 1992).
PB92-207695/REB 92-04 PC **A05**/MF **A02**

GREENE, G. E.
Ozone Disinfection and Treatment of Urban Storm Drain Dry-Weather Flows: A Pilot Treatment Plant Demonstration Project on the Kenter Canyon Storm Drain System in Santa Monica.
PB92-239268/REB 92-04 PC **A06**/MF **A02**

GREENE, J. J.
Toxicological Implementations of Remediating Hazardous Wastes.
PB92-124171/REB 92-01 PC **A03**/MF **A01**

GREENWOOD, B. E.
ASTER: An Integration of the ACQUIRE Data Base and the QSAR System for Use in Ecological Risk Assessments.
PB92-198217/REB 92-04 PC **A02**/MF **A01**

GREENWOOD, D.
Indoor Air-Assessment: An Inventory of Indoor Air Quality Research in the United States: 1989-1990.
PB92-114545/REB 92-01 PC **A10**/MF **A03**

GREER, D. G.
Quality Assurance Project Plan for the National Pesticide Survey of Drinking Water Wells: Analytical Method 5 - Methyl Carbamates.
PB92-168541/REB 92-04 PC **A06**/MF **A02**

GRIFFIN, R. A.
Technical Resource Document: Batch-Type Procedures for Estimating Soil Adsorption of Chemicals.
PB92-188515/REB 92-01 PC **A06**/MF **A02**

GRIFFIS, W. L.
Effects of Aqueous and Dietary Exposure of Dieldrin on Survival, Growth and Bioconcentration in Mallard Ducklings.
PB92-217413/REB 92-04 PC **A03**/MF **A01**

Teratogenesis, Toxicity, and Bioconcentration in Frogs Exposed to Dieldrin.
PB92-180363/REB 92-01 PC **A03**/MF **A01**

GRIFFITH, G. E.
Ecological Regions versus Hydrologic Units: Frameworks for Managing Water Quality.
PB92-153873/REB 92-01 PC **A02**/MF **A01**

GRIFFITHS, R. A.
Remediation of Leaking USTs: A System for Accessing Case Histories and Related Documents.
PB92-179803/REB 92-01 PC **A02**/MF **A01**

GRIMM, D. M.
Continuous Multiligand Distribution Model Used to Predict the Stability Constant of Cu(II) Metal Complexation with Humic Material from Fluorescence Quenching Data.
PB92-101377/REB 92-01 PC **A02**/MF **A01**

Fluorescence Techniques for Metal-Humic Interactions.
PB92-101369/REB 92-01 PC **A03**/MF **A01**

GROEBER, P.
Technology Evaluation Report: Babcock and Wilcox Cyclone Furnace Vitrification Technology. Volume 1.
PB92-222215/REB 92-04 PC **A06**/MF **A02**

Technology Evaluation Report: Babcock and Wilcox Cyclone Furnace Vitrification Technology. Volume 2.
PB92-222223/REB 92-04 PC **A15**/MF **A03**

GROEN, A.
On-Site Engineering Report for the Low-Temperature Thermal Desorption Pilot-Scale Test on Contaminated Soil.
PB92-216936/REB 92-04 PC **A07**/MF **A02**

Removal of Creosote from Soil by Thermal Desorption.
PB92-126838/REB 92-01 PC **A02**/MF **A01**

GROFFMAN, P. M.
Watershed Nitrogen Management: Upper Potomac River Basin Case Study.
PB92-108083/REB 92-01 PC **A03**/MF **A01**

GROHSE, P. M.
Standard Operating Procedures for Lead in Paint by Hotplate - or Microwave-Based Acid Digestions and Atomic Absorption or Inductively Coupled Plasma Emission Spectrometry.
PB92-114172/REB 92-01 PC **A03**/MF **A01**

GROSE, E. C.
Evaluation of Immunotoxicity of an Urban Profile of Nitrogen Dioxide: Acute, Subchronic, and Chronic Studies.
PB92-113356/REB 92-01 PC **A03**/MF **A01**

GROSSE, D. W.
Volatile Emissions from Stabilization/Solidification of Hazardous Waste.
PB92-217371/REB 92-04 PC **A03**/MF **A01**

GRUBE, W. E.
Evaluation of Waste Stabilized by the Soliditech SITE Technology.
PB92-136878/REB 92-01 PC **A02**/MF **A01**

GRUNWALD, G.
Prediction of Octanol/Water Partition Coefficient (K sub ow) with Algorithmically Derived Variables.
PB92-217348/REB 92-04 PC **A02**/MF **A01**

GSCHWANDTNER, G.
Controlling Odorous Emissions from Iron Foundries.
PB92-166925/REB 92-01 PC **A03**/MF **A01**

Feasibility of Including Regional and Temporal VOC Emissions Estimates in the EPA Emissions Trends Report.
PB92-216910/REB 92-04 PC **A04**/MF **A01**

GUARNACCIA, J. F.
Multiphase Chemical Transport in Porous Media.
PB92-205640/REB 92-04 PC **A03**/MF **A01**

New Two-Phase Flow and Transport Model with Interphase Mass Exchange.
PB92-206564/REB 92-04 PC **A03**/MF **A01**

Parallel Groundwater Computations Using PVM.
PB92-206572/REB 92-04 PC **A03**/MF **A01**

GUINNUP, D. E.
Tiered Modeling Approach for Assessing the Risks Due to Sources of Hazardous Air Pollutants.
PB92-164748/REB 92-01 PC **A03**/MF **A01**

GULATI, D.
Methods for Assessing Rat Sperm Motility.
PB92-195825/REB 92-01 PC **A02**/MF **A01**

GULLETT, B. K.
Effect of Storage Conditions on Handling and SO2 Reactivity of Ca(OH)2-Based Sorbents.
PB92-124270/REB 92-01 PC **A02**/MF **A01**

Role of Gas-Phase Cl2 in the Formation of PCDD/PCDF during Waste Combustion.
PB92-121383/REB 92-01 PC **A02**/MF **A01**

Sorbent/Urea Slurry Injection for Simultaneous SO2/NOx Removal.
PB92-195817/REB 92-01 PC **A02**/MF **A01**

GUMERMAN, R. C.
Standardized Costs for Water Supply Distribution Systems.
PB92-141290/REB 92-01 PC **A15**/MF **A03**

GUNDAPPA, M.
Field Performance of Woodburning and Coalburning Appliances in Crested Butte during the 1989-90 Heating Season.
PB92-106921/REB 92-01 PC **A08**/MF **A02**

Field Performance of Woodburning Stoves in Crested Butte, Colorado.
PB92-113133/REB 92-01 PC **A03**/MF **A01**

GUNDERSON, D. E.
Reclaiming Fiber from Newsprint Dry Methods.
PB92-153949/REB 92-01 PC **A03**/MF **A01**

GUO, Z.
Effects of Building Features on Indoor Air and Pollutant Movements.
PB92-153808/REB 92-01 PC **A03**/MF **A01**

GUPTA, R. C.
Carcinogen-DNA Adducts in Cultures of Rat and Human Hepatocytes.
PB92-189075/REB 92-01 PC **A02**/MF **A01**

Cigarette Smoke-Induced DNA Adducts in the Respiratory and Nonrespiratory Tissues of Rats.
PB92-189083/REB 92-01 PC **A02**/MF **A01**

DNA Adducts of the Antitumor Agent Diaziquone.
PB92-150739/REB 92-01 PC **A02**/MF **A01**

Potential of Carp to Bioactivate Benzo(a)pyrene to Metabolites That Bind to DNA.
PB92-189034/REB 92-01 PC **A02**/MF **A01**

GUPTA, S.
Gene Probe for PO Messenger RNA Used to Index Acrylamide Toxic Neuropathy in Rats.
PB92-143957/REB 92-01 PC **A03**/MF **A01**

Myelin Basic Protein-Messenger RNA (MBP-mRNA) Expression during Triethyltin-Induced Myelin Edema.
PB92-150861/REB 92-01 PC **A03**/MF **A01**

GUTJAHR-GOBELL, R.
Effects of a Contaminated Sediment on Life History Traits and Population Growth Rate of 'Neanthes Arenaceodentata' (Polychaeta: Nereidae) in the Laboratory.
PB92-106059/REB 92-01 PC **A03**/MF **A01**

GUTKNECHT, W. F.
Standard Operating Procedures for Lead in Paint by Hotplate - or Microwave-Based Acid Digestions and Atomic Absorption or Inductively Coupled Plasma Emission Spectrometry.
PB92-114172/REB 92-01 PC **A03**/MF **A01**

Standard Operating Procedures for Measurement of Lead in Paint Using the SCITEC MAP-3 X-ray Fluorescence Spectrometer.
PB92-114180/REB 92-01 PC **A04**/MF **A01**

GWIN, S. E.
Approach to Improving Decision Making in Wetland Restoration and Creation.
PB92-217306/REB 92-04 PC **A08**/MF **A02**

Evaluating Design and Verifying Compliance of Created Wetlands in the Vicinity of Tampa, Florida.
PB92-116045/REB 92-01 PC **A06**/MF **A02**

Final Quality Assurance Report for the Tampa, Florida Wetlands Study.
PB92-113000/REB 92-01 PC **A09**/MF **A03**

Quality Assurance Project Plan: Tampa, Florida Wetlands Study.
PB92-122761/REB 92-01 PC **A11**/MF **A03**

HACKETT, G.
Handbook of Suggested Practices for the Design and Installation of Ground-Water Monitoring Wells (Revised).
PB92-216886/REB 92-04 PC **A11**/MF **A03**

HAGLEY, C. A.
Wetlands Research Plan FY92-96: An Integrated Risk-Based Approach.
PB92-178946/REB 92-01 PC **A07**/MF **A02**

HAHN, W.
Biological Treatment of Wood Preserving Site Groundwater by BioTrol, Inc. Applications Analysis Report.
PB91-227983/REB 92-01 PC **A04**/MF **A01**

Technology Evaluation Report: Biological Treatment of Wood Preserving Site Groundwater by Biotrol, Inc.
PB92-110048/REB 92-01 PC **A06**/MF **A02**

HAINES, T. A.
Regional Patterns and Local Variability of Dry and Occult Deposition Strongly Influence Sulfate Concentrations in Maine Lakes.
PB92-136951/REB 92-01 PC **A02**/MF **A01**

HAJJAR, N. P.
Health Assessment Document for Talc.
PB92-239524/REB 92-04 PC **A04**/MF **A01**

HALE, D. D.
Environmental Factors Correlated to Dichlorophenol Dechlorination in Anoxic Freshwater Sediments.
PB92-124346/REB 92-01 PC **A03**/MF **A01**

Reductive Dechlorination of Dichlorophenols in Anaerobic Pond Sediments (Chapter 13).
PB92-101708/REB 92-01 PC **A03**/MF **A01**

Regiospecific Dechlorination of Pentachlorophenol by Dichlorophenol-Adapted Microorganisms in Freshwater, Anaerobic Sediment Slurries.
PB92-101674/REB 92-01 PC **A03**/MF **A01**

HALL, B. W.
Current Status of ADVACATE Process for Flue Gas Desulfurization (Journal Article).
PB92-150622/REB 92-01 PC **A02**/MF **A01**

HALL, F.
Superfund Engineering Issue: Issues Affecting the Applicability and Success of Remedial/Removal Incineration Projects.
PB92-109081/REB 92-01 PC **A03**/MF **A01**

HALL, L. L.
Age-Related Percutaneous Penetration of 2-sec-Butyl-4-6-Dinitrophenol (Dinoseb) in Rats.
PB92-227495/REB 92-04 PC **A03**/MF **A01**

HALL, R. E.
Experimental Investigation of PIC Formation in CFC Incineration.
PB92-150432/REB 92-01 PC **A02**/MF **A01**

Stationary Combustion NOx Control: A Summary of the 1991 Symposium. Held in Washington, DC., March 25-28, 1991.
PB92-121375/REB 92-01 PC **A02**/MF **A01**

HALLAM, T. G.
Modelling Individuals Employing an Integrated Energy Response: Application to 'Daphnia'.
PB92-179829/REB 92-01 PC **A03**/MF **A01**

HALLUM, L.
Long-Term Changes in the Areal Extent of Tidal Marshes, Eelgrass Meadows and Kelp Forests of Puget Sound.
PB92-104496/REB 92-01 PC **A06**/MF **A02**

HALLYBURTON, S.
Regional Oxidant Model (ROM) User's Guide. Part 4: The ROM System User Tutorial (Processor Network and Core Model).
PB92-120872/REB 92-01 PC **A10**/MF **A03**

HALPERIN, E. C.
Induction of Micronuclei by X-radiation in Human, Mouse and Rat Peripheral Blood Lymphocytes.
PB92-113315/REB 92-01 PC **A02**/MF **A01**

Interspecies Cytogenetic Comparisons: Studies with X-Radiation and Bleomycin Sulfate.
PB92-227438/REB 92-04 PC **A03**/MF **A01**

HALSE, Y. H.
Ductile-to-Brittle Transition Time in Polyethylene Geomembrane Sheet.
PB92-153758/REB 92-01 PC **A02**/MF **A01**

Stress Crack Testing of Polyethylene Geomembranes.
PB92-217132/REB 92-04 PC **A03**/MF **A01**

HAMAKER, T. L.
Changes in the Physiological Performance and Energy Metabolism of an Estuarine Mysid 'Mysidopsis bahia' Exposed in the Laboratory through a Complete Life Cycle to the Defoliant DEF.
PB92-129709/REB 92-01 PC **A03**/MF **A01**

HAMEL, L.
Evaluation of VOC Emissions from Heated Roofing Asphalt.
PB92-115286/REB 92-01 PC **A04**/MF **A01**

HAMEL, L. E.
Corona Destruction: An Innovative Control Technology for VOCs and Air Toxics.
PB92-206622/REB 92-04 PC **A03**/MF **A01**

HAMILTON, J. F.
Design and Optimization of a Refrigeration System.
PB92-195973/REB 92-01 PC **A03**/MF **A01**

HAMILTON, P. T.
Hydrogenase-Linked Gene in 'Methanobacterium thermoautotrophicum' Strain DeltaH Encodes a Polyferredoxin.
PB92-206234/REB 92-04 PC **A02**/MF **A01**

HAMMOND, S. K.
Intercomparison of Sampling Techniques for Nicotine in Indoor Environments.
PB92-110402/REB 92-01 PC **A02**/MF **A01**

HANNON, W. H.
Interlaboratory Study of Cellular Fluorescence Intensity Measurements with Fluorescein-Labeled Microbead Standards.
PB92-153881/REB 92-01 PC **A03**/MF **A01**

Interlaboratory Study of Cellular Fluorescence Intensity Measurements with Fluorescein-Labeled Microbead Standards.
PB92-153899/REB 92-01 PC **A03**/MF **A01**

HANSEN, D. J.
Technical Basis for Establishing Sediment Quality Criteria for Nonionic Organic Chemicals Using Equilibrium Partitioning. Annual Review.
PB92-129642/REB 92-01 PC **A03**/MF **A01**

HANSEN, W. F.
Sorbent/Urea Slurry Injection for Simultaneous SO2/NOx Removal.
PB92-195817/REB 92-01 PC **A02**/MF **A01**

HANSON, S. P.
Non-Equilibrium Effects in the Vaporization of Multicomponent Fuel Droplets.
PB92-121425/REB 92-01 PC **A02**/MF **A01**

HARD, G. C.
Alpha2u-Globulin: Association with Chemically Induced Renal Toxicity and Neoplasia in the Male Rat.
PB92-143668/REB 92-01 PC **A07**/MF **A02**

HARDIN, C. M.
Proceedings: The 1991 International Symposium on Radon and Radon Reduction Technology. Volume 1. Symposium Oral Papers Opening Session and Technical Sessions 1 through 5.
PB92-115351/REB 92-01 PC **A18**/MF **A04**

Proceedings: The 1991 International Symposium on Radon and Radon Reduction Technology. Volume 2. Symposium Oral Papers Technical Sessions 6 through 10.
PB92-115369/REB 92-01 PC **A19**/MF **A04**

Proceedings: The 1991 International Symposium on Radon and Radon Reduction Technology. Volume 3. Symposium Panel and Poster Papers Technical Sessions 1 through 5.
PB92-115377/REB 92-01 PC **A20**/MF **A04**

Proceedings: The 1991 International Symposium on Radon and Radon Reduction Technology. Volume 4. Symposium Poster Papers Technical Sessions 6 through 10.
PB92-115385/REB 92-01 PC **A13**/MF **A03**

HARDISON, D. L.
Standard Operating Procedures for Lead in Paint by Hotplate - or Microwave-Based Acid Digestions and Atomic Absorption or Inductively Coupled Plasma Emission Spectrometry.
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PB92-114180/REB 92-01 PC **A04**/MF **A01**

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Evaluation of a Sampling and Analysis Method for Determination of Polyhalogenated Dibenzo-p-Dioxins and Dibenzofurans in Ambient Air.
PB92-129600/REB 92-01 PC **A02**/MF **A01**

HARMON, D. L.
Mobile Air-Conditioning Recycling Manual.
PB92-235688/REB 92-04 PC **A08**/MF **A02**

HARRINGTON-BROCK, K.
Genotoxicity in Mouse Lymphoma Cells of Chemicals Capable of Michael Addition.
PB92-120484/REB 92-01 PC **A02**/MF **A01**

HARRIS, D. B.
Case Study of Radon Diagnostics and Mitigation in a New York State School.
PB92-198571/REB 92-04 PC **A02**/MF **A01**

Data Logging Systems for Monitoring Long-Term Radon Mitigation Experimental Programs in Schools and Other Large Buildings.
PB92-206580/REB 92-04 PC **A03**/MF **A01**

Full-Scale Laboratory Simulation Facility to Test Particulate and Organic Emissions from a Third World Residential Combustion Process. III Evaluation of a Potential Technique for the Control of Emissions from the Indoor, Open Hearth Combustion of Coal.
PB92-206499/REB 92-04 PC **A03**/MF **A01**

Full-Scale Laboratory Simulation Facility to Test Particulate and Organic Emissions from a Third World Residential Combustion Process. 1. Facility Description and Results of Tests of Three Rural China Residential Coals, a U.S. Coal, and Wood.
PB92-206598/REB 92-04 PC **A03**/MF **A01**

Radon Prevention in the Design and Construction of Schools and other Large Buildings.
PB92-180298/REB 92-01 PC **A01**/MF **A01**

Sub-Slab Pressure Field Extension in Schools and Other Large Buildings.
PB92-121268/REB 92-01 PC **A03**/MF **A01**

HARRIS, M. W.
Comparisons of the Effects of TCDD and Hydrocortisone on Growth Factor Expression Provide Insight into Their Interaction in the Embryonic Mouse Palate.
PB92-158641/REB 92-01 PC **A03**/MF **A01**

Limited PCB Antagonism of TCDD-Induced Malformations in Mice.
PB92-166768/REB 92-01 PC **A02**/MF **A01**

HARRIS, S. T.
Use of Bromoergocryptine in the Validation of Protocols for the Assessment of Mechanisms of Early Pregnancy Loss in the Rat.
PB92-124692/REB 92-01 PC **A03**/MF **A01**

HARRISON, H.
General Information on Applying for Registration of Pesticides in the United States. Second Edition.
PB92-221811/REB 92-04 PC **A13**/MF **A03**

HARRISON, R. B.
Sulfur Dynamics of Forest Ecosystems.
PB92-153048/REB 92-01 PC **A04**/MF **A01**

HARRJE, D. T.
Modeling Air Flow Dynamics in Radon Mitigation Systems: A Simplified Approach.
PB92-120427/REB 92-01 PC **A02**/MF **A01**

Simplified Modeling of Air Flow Dynamics in SSD Radon Mitigation Systems for Residences with Gravel Beds.
PB92-195635/REB 92-01 PC **A05**/MF **A01**

HARRY, G. J.
Developmental Neurotoxicology of Polychlorinated Biphenyls and Related Compounds.
PB92-206549/REB 92-04 PC **A03**/MF **A01**

Neurobehavioral Toxicology. Chapter 2.
PB92-166347/REB 92-01 PC **A03**/MF **A01**

HARTEN, T. M.
Lignocellulosic-Plastic Composites from Recycled Materials.
PB92-126861/REB 92-01 PC **A03**/MF **A01**

Reclaiming Fiber from Newsprint Dry Methods.
PB92-153949/REB 92-01 PC **A03**/MF **A01**

Waste Minimization for Non-Agricultural Pesticide Applicators: EPA's Pollution Prevention Guide.
PB92-153774/REB 92-01 PC **A02**/MF **A01**

Waste Reduction Technology Evaluations of the U.S. EPA WRITE Program.
PB92-108133/REB 92-01 PC **A02**/MF **A01**

HARTIG, P.
Generation of Recombinant Baculovirus via Liposome-Mediated Transfection.
PB92-143973/REB 92-01 PC **A01**/MF **A01**

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Health Advisory for 2,4- and 2,6-Dinitrotoluene (DNT).
PB92-189315/REB 92-01 PC **A10**/MF **A03**

HASSAN, S. M.
Carbonate Equilibria and Groundwater Sample Collection: Implications for Estimated Average Subsurface Properties in Continental North America.
PB92-101690/REB 92-01 PC **A03**/MF **A01**

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Experimental Investigation of PIC Formation in CFC Incineration.
PB92-126952/REB 92-01 PC **A06**/MF **A02**

Experimental Investigation of PIC Formation in CFC Incineration.
PB92-150432/REB 92-01 PC **A02**/MF **A01**

HATCH, G. E.
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PB92-227412/REB 92-04 PC **A02**/MF **A01**

Concentration-Time Models for the Effects of Ozone on Bronchoalveolar Lavage Fluid Protein from Rats and Guinea Pigs.
PB92-150879/REB 92-01 PC **A03**/MF **A01**

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PB92-227420/REB 92-04 PC **A03**/MF **A01**

HATFIELD, J.
Comparison of Airborne Asbestos Levels Determined by Transmission Electron Microscopy (TEM) Using Direct and Indirect Transfer Techniques.
PB92-191113/REB 92-01 PC **A04**/MF **A01**

HAUCHMAN, F. S.
U.S. Environmental Protection Agency Health Effects Research on Drinking Water Contaminants.
PB92-206531/REB 92-04 PC **A02**/MF **A01**

HAVINGA, A.
Summary of Phase II Regulations: National Primary Drinking Water Regulation for 38 Inorganic and Synthetic Organic Chemicals.
PB92-122969/REB 92-01 PC **A04**/MF **A01**

HAWKINS, W. E.
Carcinoma of the Exocrine Pancreas in Medaka.
PB92-129782/REB 92-01 PC **A02**/MF **A01**

HAZARD, J.
Forest Health Monitoring Plot Design and Logistics Study.
PB92-118447/REB 92-01 PC **A06**/MF **A02**

HAZEL, K. R.
Technical Assistance Document: Performance Audit Procedures for Opacity Monitors.
PB92-192889/REB 92-01 PC **A12**/MF **A03**

HAZUCHA, M. J.
Experimental Design and Instrumentation for a Field Experiment.
AD-A252 680/4/REB 92-04 PC **A05**/MF **A01**

Experimental Design and Instrumentation for a Field Experiment.
PB92-217454/REB 92-04 PC **A05**/MF **A01**

HEINDEL, J. J.
Methods for Assessing Rat Sperm Motility.
PB92-195825/REB 92-01 PC **A02**/MF **A01**

HEINONEN, E.
Research and Development for Total-Flood Halon 1301 Replacements for Oil and Gas Production Facilities.
PB92-206515/REB 92-04 PC **A02**/MF **A01**

HELLMAN, K. H.
Evaluation of a Vehicle Equipped with a Direct Injection Engine Using Neat Methanol.
PB92-118009/REB 92-01 PC **A03**/MF **A01**

Evaluation of Research Prototype Vehicles Equipped with Direct Injection Two-Stroke Cycle Engines.
PB92-143692/REB 92-01 PC **A03**/MF **A01**

HEMMER, M. H.
Detoxification of Pentachlorophenol and Creosote Contaminated Groundwater by Physical Extraction: Chemical and Biological Assessment.
PB92-129733/REB 92-01 PC **A02**/MF **A01**

HEMMER, M. J.
Comparative Acute Sensitivity of Larval Topsmelt, 'Atherinops affinis', and Inland Silverside, 'Menidia beryllina', to 11 Chemicals.
PB92-195668/REB 92-01 PC **A02**/MF **A01**

Effects of Fenvalerate on the Early Life Stages of Topsmelt ('Atherinops affinis').
PB92-195684/REB 92-04 PC **A02**/MF **A01**

Laboratory Spawning of Topsmelt, 'Atherinops affinis', with Notes on Culture and Growth of Larvae.
PB92-195759/REB 92-01 PC **A02**/MF **A01**

Reproductive Ecology of the Inland Silverside, 'Menidia beryllina', (Pisces: Atherinidae) from Blackwater Bay, Florida.
PB92-195775/REB 92-01 PC **A03**/MF **A01**

HENDERSON, L. O.
Interlaboratory Study of Cellular Fluorescence Intensity Measurements with Fluorescein-Labeled Microbead Standards.
PB92-153881/REB 92-01 PC **A03**/MF **A01**

Interlaboratory Study of Cellular Fluorescence Intensity Measurements with Fluorescein-Labeled Microbead Standards.
PB92-153899/REB 92-01 PC **A03**/MF **A01**

HENDERSON, S.
Science Policy Interface (Chapter 12).
PB92-143841/REB 92-01 PC **A03**/MF **A01**

HENDLER, A.
Air Superfund National Technical Guidance Study Series. Estimation of Air Impacts for the Excavation of Contaminated Soil.
PB92-171925/REB 92-01 PC **A04**/MF **A01**

HENNING, B.
Identification and Characterization of Missing or Unaccounted for Area Source Categories.
PB92-139377/REB 92-01 PC **A15**/MF **A03**

Liquid and Gaseous Fuel Distribution System.
PB92-115203/REB 92-01 PC **A03**/MF **A01**

HENSCHEL, D. B.
Cost Analysis of Soil Depressurization Techniques for Indoor Radon Reduction.
PB92-120443/REB 92-01 PC **A03**/MF **A01**

Parametric Analysis of the Installation and Operating Costs of Active Soil Depressurization Systems for Residential Radon Mitigation.
PB92-116037/REB 92-01 PC **A07**/MF **A02**

HENSEL, B. R.
Construction, Monitoring, and Performance of Two Soil Liners.
PB92-124049/REB 92-01 PC **A07**/MF **A02**

HERGET, W. F.
Long-Path FTIR Measurements of Volatile Organic Compounds in an Industrial Setting (July 1989-April 1991).
PB92-206424/REB 92-04 PC **A02**/MF **A01**

HERIBA, A.
Development of a Solid Sample Analytical Procedure for Cyanide in Spent Ore. Final Technical Report.
PB92-203496/REB 92-04 PC **A11**/MF **A03**

HERNDON, R. C.
Proximity of Louisiana Sanitary Landfills to Wetlands and Deepwater Habitats.
PB92-164953/REB 92-01 PC **A02**/MF **A01**

HERR, D. W.
Alterations in Rat Flash and Pattern Reversal Evoked Potentials after Acute or Repeated Administration of Carbon Disulfide (CS2).
PB92-188929/REB 92-01 PC **A03**/MF **A01**

HERRMANN, J. G.
Removal of Creosote from Soil by Bioslurry Reactors.
PB92-227339/REB 92-04 PC **A03**/MF **A01**

Removal of Creosote from Soil by Thermal Desorption.
PB92-126838/REB 92-01 PC **A02**/MF **A01**

HERTEL, G.
Cloning and Expression of a Lignin Peroxidase Gene from 'Streptomyces viridosporus' in 'Streptomyces lividans'.
PB92-180389/REB 92-01 PC **A03**/MF **A01**

HERTZ, B. G.
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PB92-166636/REB 92-01 PC **A02**/MF **A01**

HERZOG, B. L.
Construction, Monitoring, and Performance of Two Soil Liners.
PB92-124049/REB 92-01 PC **A07**/MF **A02**

HERZOG, E. W.
Recommended I/M Short Test Procedures for the 1990's: Six Alternatives.
PB92-104439/REB 92-01 PC **A03**/MF **A01**

HESS, A. F.
Field-Testing Distribution Water Quality Models.
PB92-113182/REB 92-01 PC **A03**/MF **A01**

HESS, C. T.
Measurement of the Biotransfer and Time Constant of Radon from Ingested Water by Human Breath Analysis.
PB92-189026/REB 92-01 PC **A03**/MF **A01**

HESS, K. M.
Evaluation of Hydraulic Conductivities Calculated from Multiport-Permeameter Measurements.
PB92-144013/REB 92-01 PC **A03**/MF **A01**

Spatial Variability of Geochemical and Hydrologic Properties of Subsurface Materials in a Sand and Gravel Aquifer, Cape Cod, Massachusetts.
PB92-179126/REB 92-01 PC **A02**/MF **A01**

Techniques to Determine Spatial Variations in Hydraulic Conductivity of Sand and Gravel.
PB92-109123/REB 92-01 PC **A03**/MF **A01**

HESS, R. A.
Fungicide Benomyl(Methyl 1-(Butylcarbamoyl)-2-Benzimidazolecarbamate) Causes Testicular Dysfunction by Inducing the Sloughing of Germ Cells and Occlusion of Efferent Ductules.
PB92-150796/REB 92-01 PC **A03**/MF **A01**

HESSLING, J.
On-Site Engineering Report for the Low-Temperature Thermal Desorption Pilot-Scale Test on Contaminated Soil.
PB92-216936/REB 92-04 PC **A07**/MF **A02**

HETZLER, B. E.
Differential Impact of Hypothermia and Pentobarbital on Brain-Stem Auditory Evoked Responses.
PB92-113240/REB 92-01 PC **A03**/MF **A01**

HEWITT, M. J.
GIS Technical Memorandum 3: Global Positioning Systems Technology and Its Application in Environmental Programs.
PB92-169356/REB 92-01 PC **A04**/MF **A01**

HICK, S.
Handbook for Special Public Notification for Lead for Public Drinking Water Suppliers.
PB92-164722/REB 92-01 PC **A04**/MF **A01**

HIGHFILL, J.
Acute Effects of Diisopropyl Fluorophosphate (DFP) on Autonomic and Behavioral Thermoregulatory Responses in the Long-Evans Rat.
PB92-124668/REB 92-01 PC **A03**/MF **A01**

Relationship between Cholinesterase Inhibition and Thermoregulation Following Exposure to Diisopropyl Fluorophosphate in the Rat.
PB92-158658/REB 92-01 PC **A02**/MF **A01**

HIGHFILL, J. W.
Concentration-Time Models for the Effects of Ozone on Bronchoalveolar Lavage Fluid Protein from Rats and Guinea Pigs.
PB92-150879/REB 92-01 PC **A03**/MF **A01**

HIGHSMITH, V. R.
Characterization of the Wintertime Boise, Idaho, Air Shed: A Comprehensive Field Study Report for the U.S. EPA Office of Air Quality Planning and Standards.
PB92-136803/REB 92-01 PC **A04**/MF **A01**

Physical and Chemical Characterization of Indoor Aerosols Resulting from the Use of Tap Water in Portable Home Humidifiers.
PB92-188937/REB 92-01 PC **A02**/MF **A01**

HILLGER, R. W.
Remediation of Leaking USTs: A System for Accessing Case Histories and Related Documents.
PB92-179803/REB 92-01 PC **A02**/MF **A01**

Underground Storage Tanks on Indian Lands. Education Moderates: An Environmental Treat.
PB92-179860/REB 92-01 PC **A02**/MF **A01**

HINTENLANG, D. E.
Recommended Sub-Slab Depressurization Systems Design Standard of the Florida Radon Research Program.
PB92-105626/REB 92-01 PC **A03**/MF **A01**

HIRSH, S. R.
Applicability of UV/Oxidation Technologies to Treat Contaminated Groundwater.
PB92-126853/REB 92-01 PC **A03**/MF **A01**

HITES, R. A.
Comparative Analysis of Dioxins and Furans in Ambient Air by High Resolution and Electron Capture Mass Spectrometry.
PB92-206440/REB 92-04 PC **A02**/MF **A01**

HJORT, R.
Data User's Guide to the United States Environmental Protection Agency's Long-Term Monitoring Project: Quality Assurance Plan and Data Dictionary.
PB92-239573/REB 92-04 PC **A06**/MF **A02**

HO, M. D.
Field Demonstration of the Linde Oxygen Combustion System on the EPA Mobile Incinerator.
PB92-188838/REB 92-01 PC **A02**/MF **A01**

HOAG, G. E.
Soil Vapor Extraction Column Experiments on Gasoline Contaminated Soil.
PB92-226430/REB 92-04 PC **A05**/MF **A01**

HODSON, L. L.
Acid Aerosol Measurement Methods: Studies of Extraction and Analytical Effects.
PB92-191154/REB 92-01 PC **A02**/MF **A01**

HOFFMAN, A. D.
Hepatic Microsomal N-hydroxylation of Aniline and 4-chloroaniline by Rainbow Trout 'Onchorhyncus mykiss'.
PB92-227354/REB 92-04 PC **A03**/MF **A01**

HOFFMAN, A. J.
Evaluation of High Volume Particle Sampling and Sample Handling Protocols for Ambient Urban Air Mutagenicity Determinations.
PB92-188952/REB 92-01 PC **A02**/MF **A01**

HOFFMANN, W.
Carcinogenic Risk of Non-Uniform Alpha Particle Irradiation in the Lungs: Radon Progeny Effects at Bronchial Bifurcations.
PB92-227545/REB 92-04 PC **A02**/MF **A01**

HOFMANN, J. E.
Sorbent/Urea Slurry Injection for Simultaneous SO2/NOx Removal.
PB92-195817/REB 92-01 PC **A02**/MF **A01**

HOFMANN, W.
Dosimetry of Localized Accumulations of Cigarette Smoke and Radon Progeny at Bifurcations.
PB92-164847/REB 92-01 PC **A03**/MF **A01**

HOFMEISTER, V. A.
Effects of Heavy Industrial Pollution on Respiratory Function in the Children of Cubatao, Brazil: A Preliminary Report.
PB92-217207/REB 92-04 PC **A02**/MF **A01**

HOGSETT, W. E.
Adjusting Ambient Ozone Air Quality Indicators for Missing Values.
PB92-124155/REB 92-01 PC **A02**/MF **A01**

Ozone Decreases Spring Root Growth and Root Carbohydrate Content in Ponderosa Pine the Year Following Exposure.
PB92-144039/REB 92-01 PC **A02**/MF **A01**

HOLCOMBE, G. W.
Guidelines for Conducting Early Life Stage Toxicity Tests with Japanese Medaka 'Oryzias latipes'.
PB92-137488/REB 92-01 PC **A03**/MF **A01**

HOLDREN, G. R.
Estimating Critical Loads of Sulfate to Surface Waters in the Northeastern United States: A Comparative Assessment of Three Procedures for Estimating Critical Loads of Sulfate for Lakes.
PB92-119015/REB 92-01 PC **A03**/MF **A01**

HOLDREN, M. W.
Canister-Based Method for Monitoring Toxic VOCs in Ambient Air.
PB92-206432/REB 92-04 PC **A03**/MF **A01**

Superfund Innovative Technology Evaluation: The Delaware SITE Study, 1989.
PB92-125749/REB 92-01 PC **A08**/MF **A02**

HOLGNE, J.
Hydroxyl Radical Formation in Aqueous Reactions (pH 3-8) of Iron(II) with Hydrogen Peroxide: The Photo-Fenton Reaction.
PB92-153824/REB 92-01 PC **A02**/MF **A01**

HOLLAND, A. F.
Example Environmental Assessment Report for Estuaries.
PB92-102656/REB 92-01 PC **A04**/MF **A01**

U.S. Environmental Protection Agency's Environmental Monitoring and Assessment Program: An Ecological Status and Trends Program.
PB92-121292/REB 92-01 PC **A02**/MF **A01**

HOLLAND, C. C.
Approach to Improving Decision Making in Wetland Restoration and Creation.
PB92-217306/REB 92-04 PC **A08**/MF **A02**

Permit Tracking System (PTS): A User's Manual.
PB92-105659/REB 92-01 PC **A08**/MF **A02**

HOLLAND, F.
EPA's Environmental Monitoring and Assessment Program: An Ecological Status and Trends Program.
PB92-121169/REB 92-01 PC **A03**/MF **A01**

HOLLETT, B. A.
Asbestos Fiber Release during Change-Out of Filter Bags from HEPA-Filtered Vacuum Cleaners.
PB92-113208/REB 92-01 PC **A02**/MF **A01**

Co-Existing with Asbestos: A Look at the Engineering Research Program of the U.S. Environmental Protection Agency.
PB92-139419/REB 92-01 PC **A03**/MF **A01**

HOLM, T. R.
Oxidation-Reduction Capacities of Aquifer Solids.
PB92-110410/REB 92-01 PC **A02**/MF **A01**

HOLMES, T.
Comparison of Five Solidification/Stabilization Processes for Treatment of Municipal Waste Combustion Residues. Part 1. Physical Testing.
PB92-121193/REB 92-01 PC **A03**/MF **A01**

United States Environmental Protection Agency Municipal Waste Combustion Residue Solidification/Stabilization Evaluation Program.
PB92-121177/REB 92-01 PC **A03**/MF **A01**

HOLMES, T. T.
Comparison of Solidification/Stabilization Processes for Treatment of Municipal Waste Combustion Residues. Part 2. Leaching Properties.
PB92-121201/REB 92-01 PC **A03**/MF **A01**

HONARKHAH, I.
Fate of Polychlorinated Biphenyls (PCBs) in Soil Following Stabilization with Quicklime.
PB92-114487/REB 92-01 PC **A07**/MF **A02**

HONDZO, M.
Three Case Studies of Lake Temperature and Stratification Response to Warmer Climate.
PB92-121391/REB 92-01 PC **A03**/MF **A01**

HOOD, R. D.
Developmental Toxicology: Risk Assessment and the Future.
PB92-184993/REB 92-01 PC **A13**/MF **A03**

HORN, M. J.
Zooplankton Population Dynamics in Experimentally Toxified Pond Ecosystems.
PB92-153352/REB 92-01 PC **A02**/MF **A01**

HORNBERGER, G. M.
Inferences about Solute Transport in Macroporous Forest Soils from Time Series Models.
PB92-150572/REB 92-01 PC **A03**/MF **A01**

HORNICEK, F. J.
Control of Alkaline Phosphatase Activity in C3H10T1/2 Cells: Role of Retinoic Acid and Cell Density.
PB92-198639/REB 92-04 PC **A03**/MF **A01**

HORWITZ, R. J.
Analysis and Interpretation of Zooplankton Samples Collected during Phase 2 of the Eastern Lake Survey.
PB92-136829/REB 92-01 PC **A14**/MF **A03**

HOSSEINIPOUR, E. Z.
Application of a Water Quality Assessment Modeling System at a Superfund Site.
PB92-164490/REB 92-01 PC **A05**/MF **A01**

HOU, M.
Estimation of Water Solubility and Octanol/Water Partition Coefficient of Hydrophobic Dyes. Part 2. Reverse-Phase High Performance Liquid Chromatography.
PB92-124338/REB 92-01 PC **A02**/MF **A01**

Predicting the Precipitation of Acid and Direct Dyes in Natural Waters.
PB92-206200/REB 92-04 PC **A03**/MF **A01**

HOUK, V. S.
Assessing the Use of Known Mutagens to Calibrate the 'Salmonella typhimurium' Mutagenicity Assay. 1. Without Exogenous Activation.
PB92-113257/REB 92-01 PC **A03**/MF **A01**

Assessing the Use of Known Mutagens to Calibrate the 'Salmonella typhimurium' Mutagenicity Assay. 2. With Exogenous Activation.
PB92-113273/REB 92-01 PC **A03**/MF **A01**

Effect of Bioremediation on the Mutagenicity of Oil Spilled in Prince William Sound, Alaska.
PB92-206374/REB 92-04 PC **A02**/MF **A01**

Evaluating the Human Health Effects of Hazardous Wastes: Reproduction and Development, Neurotoxicity, Genetic Toxicity and Cancer.
PB92-110352/REB 92-01 PC **A03**/MF **A01**

Evaluating the Relationship of Metabolic Activation System Concentrations and Chemical Dose Concentrations for the Salmonella Spiral and Plate Assays.
PB92-113331/REB 92-01 PC **A03**/MF **A01**

Genotoxicity of Industrial Wastes and Effluents. A Review.
PB92-227594/REB 92-04 PC **A03**/MF **A01**

Oil Spill Clean Up.
PB92-110469/REB 92-01 PC **A01**/MF **A01**

HOUSE, D. E.
Exposure of Humans to a Volatile Organic Mixture. 1. Behavioral Assessment.
PB92-189018/REB 92-01 PC **A02**/MF **A01**

Exposure of Humans to a Volatile Organic Mixture. 2. Sensory.
PB92-164888/REB 92-01 PC **A03**/MF **A01**

Fetal and Maternal Effects of Continual Exposure of Rats to 970-MHz Circularly-Polarized Microwaves.
PB92-227602/REB 92-04 PC **A03**/MF **A01**

HOUSEMAN, V.
Mining Sites on the National Priorities List: NPL Site Summary Reports. Volume 1 (Aluminum Company of America (Vancouver Smelter) to Cleveland Mill).
PB92-124767/REB 92-01 PC **A99**

Mining Sites on the National Priorities List: NPL Site Summary Reports. Volume 2 (Commencement Bay Nearshore/Tideflats to Kerr McGee) (Kress Creek, Reed-Keppler Park, Residential Areas, Sewage Treatment Plant).
PB92-124775/REB 92-01 PC **A99**

Mining Sites on the National Priorities List: NPL Site Summary Reports. Volume 3 (Kerr-McGee Chemical Corp. (Soda Springs Plant) to Ormet Corp).
PB92-124783/REB 92-01 PC **A99**

Mining Sites on the National Priorities List: NPL Site Summary Reports. Volume 4 (Oronogo-Duenweg Mining Belt to Tar Creek).
PB92-124791/REB 92-01 PC **A99**

Mining Sites on the National Priorities List: NPL Site Summary Reports. Volume 5 (Teledyne Wah Chang to Wayne Interim Storage Facility/W.R. Grace).
PB92-124809/REB 92-01 PC **A99**

HOWARD, D. R.
Kinetochore-Staining of Spermatid Micronuclei: Studies of *Mice Treated with X-Radiation or Acrylamide.*
PB92-188994/REB 92-01 PC **A02**/MF **A01**

HOWARD, H. K.
Exposure and Release Estimations for Filter Press and Tray *Dryer Operations Based on Pilot Plant Data.*
PB92-158450/REB 92-01 PC **A14**/MF **A03**

HOWARD, J. L.
Interlaboratory Comparison of Motor Activity Experiments: *Implications for Neurotoxicological Assessments.*
PB92-143916/REB 92-01 PC **A03**/MF **A01**

HOWE, G.
Method 25: Determination of Total Gaseous Non-Methane *Organic Emissions as Carbon from Stationary Sources.*
PB92-113026/REB 92-01 PC **A07**/MF **A02**

HOWE, G. B.
Using a Flame Ionization Detector (FID) Continuously *Measure Toxic Organic Vapors in a Paint Spray Booth.*
PB92-198258/REB 92-01 PC **A03**/MF **A01**

HOWELL, S. G.
Ten Year Review of Plastics Recycling.
PB92-153402/REB 92-01 PC **A03**/MF **A01**

HSU, I. C.
Human Bronchial Epithelial Cell Strain with Unusual In vitro Growth Potential Which Undergoes Neoplastic Transformation after SV40 T Antigen Gene Transfection.
PB92-206358/REB 92-04 PC **A03**/MF **A01**

HUANG, Y. S.
Selection Kinetics during Serial Cell Culture Passage of Mixtures of Wild-Type 'Autographa californica' Nuclear Polyhedrosis Virus and Its Recombinant Ac360-Beta-gal.
PB92-143874/REB 92-01 PC **A02**/MF **A01**

HUBER, J. K.
Mercury in the St. Louis River, Mississippi River, Crane Lake, and Sand Point Lake: Cycling, Distribution, and Sources. Report to the Legislative Commission on Minnesota Resources.
PB92-195957/REB 92-01 PC **A07**/MF **A02**

HUBER, W. C.
Modeling of Nonpoint Source Water Quality in Urban and Non-urban Areas.
PB92-109115/REB 92-01 PC **A05**/MF **A01**

HUDNELL, H. K.
Exposure of Humans to a Volatile Organic Mixture. 1. Behavioral Assessment.
PB92-189018/REB 92-01 PC **A02**/MF **A01**

Exposure of Humans to a Volatile Organic Mixture. 2. Sensory.
PB92-164888/REB 92-01 PC **A03**/MF **A01**

Methodological Issues in Human Exposure Studies of Low Level Solvent Mixtures.
PB92-233030/REB 92-04 PC **A02**/MF **A01**

Use of Visual and Chemosensory Evoked Potentials in Environmental and Occupational Health.
PB92-217041/REB 92-04 PC **A03**/MF **A01**

HUDSON, D. E.
Superfund Soils Data Management System.
PB92-139476/REB 92-01 PC **A02**/MF **A01**

HUFF, L. C.
National Air Toxics Information Clearinghouse: Bibliography of Selected Reports and Federal Register Notices Related to Air Toxics. Index, 1991.
PB92-111913/REB 92-01 PC **A21**/MF **A04**

National Air Toxics Information Clearinghouse: Bibliography of Selected Reports and Federal Register Notices Related to Air Toxics. Volume 5. Citations, 1991.
PB92-111830/REB 92-01 PC **A10**/MF **A03**

National Air Toxics Information Clearinghouse: Ongoing Research and Regulatory Development Projects.
PB92-111905/REB 92-01 PC **A10**/MF **A03**

HUFFMAN, G. L.
Environmental Laws and Regulations Relating to Medical Waste Disposal.
PB92-217249/REB 92-04 PC **A03**/MF **A01**

HUGHES, M. F.
Age-Related Percutaneous Penetration of 2-sec-Butyl-4-6-Dinitrophenol (Dinoseb) in Rats.
PB92-227495/REB 92-04 PC **A03**/MF **A01**

HUGHES, R. M.
Biological Diversity and Biological Integrity: Current Concerns for Lakes and Streams.
PB92-232917/REB 92-04 PC **A03**/MF **A01**

Modification of an Index of Biotic Integrity Based on Fish Assemblages to Characterize Rivers of the Seine Basin, France.
PB92-180322/REB 92-01 PC **A03**/MF **A01**

HUGHES, T. J.
Assessing the Use of Known Mutagens to Calibrate the 'Salmonella typhimurium' Mutagenicity Assay. 1. Without Exogenous Activation.
PB92-113257/REB 92-01 PC **A03**/MF **A01**

Assessing the Use of Known Mutagens to Calibrate the 'Salmonella typhimurium' Mutagenicity Assay. 2. With Exogenous Activation.
PB92-113273/REB 92-01 PC **A03**/MF **A01**

HUKKU, B.
Human Bronchial Epithelial Cell Strain with Unusual In vitro Growth Potential Which Undergoes Neoplastic Transformation after SV40 T Antigen Gene Transfection.
PB92-206358/REB 92-04 PC **A03**/MF **A01**

HUMMEL, K. E.
Manual for Non-CFC Aerosol Packaging: Conversion from *CFC to Hydrocarbon Propellants.*
PB92-101344/REB 92-01 PC **A10**/MF **A03**

HUNG, C. Y.
User's Guide for the SYSPOP Program: A PC Version of the PRESTO-EPA-POP Operation System. Version 1.0.
PB92-213255/REB 92-04 PC **A11**/MF **A03**

HUNT, J. W.
Copper Toxicity to Sperm, Embryos and Larvae of Topsmelt 'Atherinops affinis', with Notes on Induced Spawning.
PB92-129808/REB 92-01 PC **A03**/MF **A01**

HUNT, W.
Clean Air Act Requirements for Trace Metals Information.
PB92-164995/REB 92-01 PC **A02**/MF **A01**

HURST, C. J.
Effect of the Method of Preparing Monochloramine upon Inactivation of MS2 Coliphage, 'Escherichia coli', and 'Klebsiella pneumoniae'.
PB92-217355/REB 92-04 PC **A02**/MF **A01**

HUTCHINS, S. R.
Biodegradation of Monoaromatic Hydrocarbons by Aquifer Microorganisms Using Oxygen, Nitrate, or Nitrous Oxide as the Terminal Electron Acceptor.
PB92-110543/REB 92-01 PC **A02**/MF **A01**

Column Studies on BTEX Biodegradation under Microaerophilic and Denitrifying Conditions.
PB92-179050/REB 92-01 PC **A03**/MF **A01**

Effect of Nitrate Addition on Biorestoration of Fuel-Contaminated Aquifer: Field Demonstration.
PB92-110444/REB 92-01 PC **A03**/MF **A01**

Laboratory and Field Studies on BTEX Biodegradation in a Fuel-Contaminated Aquifer under Denitrifying Conditions.
PB92-121227/REB 92-01 PC **A03**/MF **A01**

Optimizing BTEX Biodegradation under Denitrifying Conditions.
PB92-124262/REB 92-01 PC **A03**/MF **A01**

HWANG, S. L.
Physical Property Data on Fluorinated Propanes and Butanes as CFC and HCFC Alternatives.
PB92-206507/REB 92-04 PC **A03**/MF **A01**

HYATT, D. E.
Ecological Indicators. Proceedings of an International Symposium. Held in Fort Lauderdale, Florida on October 16-19, 1990.
PB92-114131/REB 92-01 PC **A99**/MF **E99**

IMBRIGIOTTA, T. E.
Biotransformation of CIS-1,2-Dichloroethylene in Aquifer Material from Picatinny Arsenal, Morris County, New Jersey.
PB92-179100/REB 92-01 PC **A03**/MF **A01**

Reductive Dechlorination of Trichloroethylene in Anoxic Aquifer Material from Picatinny Arsenal, New Jersey.
PB92-179019/REB 92-01 PC **A02**/MF **A01**

IMHOFF, P. T.
Multiphase Chemical Transport in Porous Media.
PB92-205640/REB 92-04 PC **A03**/MF **A01**

INGLIS, A.
Air Emissions from the Treatment of Soils Contaminated with Petroleum Fuels and Other Substances.
PB92-212976/REB 92-04 PC **A12**/MF **A03**

IRELAND, J. C.
Formation of Disinfection By-Products.
PB92-124221/REB 92-01 PC **A02**/MF **A01**

IRWIN, J. S.
Interagency Workgroup on Air Quality Modeling (IWAQM) Work Plan Rationale.
PB92-213248/REB 92-04 PC **A03**/MF **A01**

ISAACS, G. A.
*Capsule Report: First Progress Report. Physical Coal-*Cleaning Demonstration at Homer City, Pennsylvania.
PB92-179910/REB 92-01 PC **A03**/MF **A01**

ISRAELI, E.
Interim Protocol for the Evaluation of Survival of Genetically Engineered Microorganisms by Simulating the Aerial Environment *Using a Freeze-Drying Procedure.*
PB92-217470/REB 92-04 PC **A03**/MF **A01**

IWASA, Y.
Handling and Disposal of Sludges and Residuals from Combined Sewer Overflow Treatment.
PB92-158567/REB 92-01 PC **A02**/MF **A01**

JAASMA, D. R.
Field Performance of Woodburning and Coalburning Appliances in Crested Butte during the 1989-90 Heating Season.
PB92-106921/REB 92-01 PC **A08**/MF **A02**

Field Performance of Woodburning Stoves in Crested Butte, Colorado.
PB92-113133/REB 92-01 PC **A03**/MF **A01**

JACKSON, M. A.
Genetic Activity Profile Database.
PB92-189091/REB 92-01 PC **A02**/MF **A01**

JACKSON, M. D.
Comparison of Data from an IAQ Test House with Predictions of an IAQ Computer Model.
PB92-198589/REB 92-04 PC **A03**/MF **A01**

Evaluation of VOST and SemiVOST Methods for Halogenated Compounds in the Clean Air Act Amendments Title III, Bench and Laboratory Studies.
PB92-178979/REB 92-01 PC **A03**/MF **A01**

Quality Assurance Planning for Stationary Source Field Sampling.
PB92-188804/REB 92-01 PC **A02**/MF **A01**

Stability of Air Toxic Gases Listed in Title III Clean Air Act Amendments.
PB92-188812/REB 92-01 PC **A03**/MF **A01**

JACKSON, R. B.
Approach to Assessment of Management Impacts on Agricultural Soil Carbon.
PB92-217173/REB 92-04 PC **A03**/MF **A01**

Estimating Agriculture's Net Contribution to Atmospheric Carbon.
PB92-217165/REB 92-04 PC **A03**/MF **A01**

JACKSON, T.
Retech, Inc., Plasma Centrifugal Furnace: Applications Analysis Report.
PB92-218791/REB 92-04 PC **A04**/MF **A01**

JACOBSON-KRAM, D.
Review of the Mutagenicity of Ethylene Oxide.
PB92-124569/REB 92-01 PC **A03**/MF **A01**

JAFFE, L. B.
Stability of Air Toxic Gases Listed in Title III Clean Air Act Amendments.
PB92-188812/REB 92-01 PC **A03**/MF **A01**

JAKUBOWSKI, W.
Differentiation of 'Giardia duodenalis' from Other 'Giardia spp.' by Using Polymerase Chain Reaction and Gene Probes.
PB92-150531/REB 92-01 PC **A02**/MF **A01**

JAMES, R. R.
Protocol for Testing the Effects of Fungal Pesticides on Nontarget Beetles Using 'Hippodamia convergens' (Coleoptera: Coccinellidae).
PB92-217488/REB 92-04 PC **A03**/MF **A01**

JANSSEN, R.
Differential Impact of Hypothermia and Pentobarbital on Brain-Stem Auditory Evoked Responses.
PB92-113240/REB 92-01 PC **A03**/MF **A01**

JAWORSKI, N.
Toxicity of Chlorine and Ammonia to Aquatic Life: Chemistry, Water Quality Criteria, Recent Research, and Recommended Future Research.
PB92-108091/REB 92-01 PC **A03**/MF **A01**

JAWORSKI, N. A.
Uncertainties in Nitrogen Mass Loadings in Coastal Watersheds.
PB92-108075/REB 92-01 PC **A03**/MF **A01**

Watershed Nitrogen Management: Upper Potomac River Basin Case Study.
PB92-108083/REB 92-01 PC **A03**/MF **A01**

JAYANTY, R. K. M.
Stability of Air Toxic Gases Listed in Title III Clean Air Act Amendments.
PB92-188812/REB 92-01 PC **A03**/MF **A01**

Summary of the 1991 EPA/AWMA International Symposium: Measurement of Toxic and Related Air Pollutants. Held in Durham, North Carolina on May 6-10, 1991.
PB92-110386/REB 92-01 PC **A03**/MF **A01**

JEFFAY, S.
Use of the Fungicide Carbendazim as a Model Compound to Determine the Impact of Acute Chemical Exposure during Oocyte Maturation and Fertilization on Pregnancy Outcome in the Hamster.
PB92-206416/REB 92-04 PC **A02**/MF **A01**

JEFFRIES, H. E.
Protocols for Evaluating Oxidant Mechanisms for Urban and Regional Models.
PB92-205848/REB 92-04 PC **A06**/MF **A02**

JENSEN, K. F.
Mapping Toxicant-Induced Nervous System Damage with a Cupric Silver Stain: A Quantitative Analysis of Neural Degeneration Induced by 3,4-Methylenedioxymethamphetamine (MDMA) (Revised).
PB92-217389/REB 92-04 PC **A03**/MF **A01**

Neonatal Exposure to Trimethyltin Disrupts Spatial Delayed Alternation Learning in Preweanling Rats.
PB92-124718/REB 92-01 PC **A02**/MF **A01**

JENSEN, K. M.
Osmoregulatory Failure and Death of First-Year Largemouth Bass 'Micropterus salmoides' Exposed to Low pH and Elevated Aluminum, at Low Temperatures in Soft Water.
PB92-205236/REB 92-04 PC **A03**/MF **A01**

JENSEN, P. A.
Evaluation of Sampling Alternatives for Bioaerosols. Phase 2: Viable Microorganism Sampling Efficiency.
PB92-136183/REB 92-01 PC **A06**/MF **A02**

JENSEN, T. E.
Advanced Emission Speciation Methodologies for the Auto/Oil Air Quality Improvement Research Program. 1. Hydrocarbons and Ethers.
PB92-166784/REB 92-01 PC **A03**/MF **A01**

JIMENEZ, M.
User's Guide for the Urban Airshed Model. Volume 4. User's Manual for the Emissions Preprocessor System 2.0. Part A: Core FORTRAN System.
PB92-226232/REB 92-04 PC **A19**/MF **A04**

JOHNS, D. M.
Neanthes Long-Term Exposure Experiment: Further Evaluation of the Relationship between Juvenile Growth and Reproductive Success.
PB92-166891/REB 92-01 PC **A03**/MF **A01**

JOHNSON, C. H.
Serological Cross-Reactions between 'Escherichia coli' O157 and other Species of the Genus 'Escherichia'.
PB92-180306/REB 92-01 PC **A01**/MF **A01**

JOHNSON, G. L.
At the Threshold: A National Consensus Quality Systems Standard for Environmental Programs, 1992.
PB92-209295/REB 92-04 PC **A03**/MF **A01**

Development of a National Consensus Standard for Quality Assurance for Environmental Programs.
PB92-143783/REB 92-01 PC **A03**/MF **A01**

Educating Managers about Quality through Customer-Supplier Understanding. Overview of Current Training Initiatives in Energy and Environmental Programs. Annual National Energy and Environmental Quality Division Conference (19th).
PB92-217116/REB 92-04 PC **A03**/MF **A01**

Quality and Environmental Protection: The EPA QA Program.
PB92-143791/REB 92-01 PC **A02**/MF **A01**

JOHNSON, M. G.
Impact of Conservation Tillage Use on Soil and Atmospheric Carbon in the Contiguous United States.
PB92-113448/REB 92-01 PC **A03**/MF **A01**

JOHNSON, P. M.
Review of the National Ambient Air Quality Standards for Ozone Assessment of Scientific and Technical Information. OAQPS Staff Paper.
PB92-190446/REB 92-01 PC **A17**/MF **A03**

JOHNSON, R. D.
Toxicity Reduction Evaluation at a Municipal Wastewater Treatment Plant Using Mutagenicity as an Endpoint.
PB92-232834/REB 92-04 PC **A02**/MF **A01**

JONES, A. B.
Removal of Creosote from Soil by Bioslurry Reactors.
PB92-227339/REB 92-04 PC **A03**/MF **A01**

JONES, B.
Technology Evaluation Report: SITE Program Demonstration Test Horsehead Resource Development Company, Inc., Flame Reactor Technology, Monaca, Pennsylvania.
PB92-205855/REB 92-04 PC **A07**/MF **A02**

JONES, G. W.
Heterotrophic Bacteria of the Freshwater Neuston and Their Ability to Act as Plasmid Recipients under Nutrient Deprived Conditions.
PB92-129766/REB 92-01 PC **A03**/MF **A01**

JONES, J. A.
Automated Aqueous Rotary Washer for the Metal Finishing Industry. Technology Evaluation Report.
PB92-232214/REB 92-04 PC **A04**/MF **A01**

Automotive and Heavy-Duty Engine Coolant Recycling by Distillation: Technology Evaluation Report.
PB92-153444/REB 92-01 PC **A05**/MF **A01**

Automotive and Heavy-Duty Engine Coolant Recycling by Filtration. Technology Evaluation Report.
PB92-126804/REB 92-01 PC **A05**/MF **A01**

JONES, J. W.
Evaluation of NOx Emissions from TVA Coal-Fired Power Plants.
PB92-164813/REB 92-01 PC **A03**/MF **A01**

JONES, K.
Gene Probe for PO Messenger RNA Used to Index Acrylamide Toxic Neuropathy in Rats.
PB92-143957/REB 92-01 PC **A03**/MF **A01**

Myelin Basic Protein-Messenger RNA (MBP-mRNA) Expression during Triethyltin-Induced Myelin Edema.
PB92-150861/REB 92-01 PC **A03**/MF **A01**

Triphenyl Phosphite-Induced Ultrastructural Changes in Bovine Adrenomedullary Chromaffin Cells.
PB92-209337/REB 92-04 PC **A03**/MF **A01**

JONES, L.
Best Demonstrated Available Technology (BDAT) Background Document for Quality Assurance/Quality Control Procedures and Methodology.
PB92-149277/REB 92-01 PC **A07**/MF **A02**

JONES, L. G.
New Developments in Emission Projection Methodologies.
PB92-139393/REB 92-01 PC **A02**/MF **A01**

JONES, P. S.
Reduction of Disinfection By-Product Precursors by Nanofiltration.
PB92-149269/REB 92-01 PC **E99**/MF **A06**

JONES, R. R.
Characterizing Heterogeneous Wastes: Methods and Recommendations (March 26-28, 1991).
PB92-216894/REB 92-04 PC **A08**/MF **A02**

JONES, T. L.
Interlaboratory Comparison of Thermospray and Particle Beam Liquid Chromatography/Mass Spectrometry Interfaces: Evaluation of a Chlorinated Phenoxy Acid Herbicide Liquid Chromatography/Mass Spectrometry Analysis Method.
PB92-124734/REB 92-01 PC **A02**/MF **A01**

JOYNER, P.
Physical Property Data on Fluorinated Propanes and Butanes as CFC and HCFC Alternatives.
PB92-206507/REB 92-04 PC **A03**/MF **A01**

JOYNER, W. M.
Compilation of Air Pollutant Emission Factors. Volume 1. Stationary Point and Area Sources. Fourth Edition. Supplement D.
PB92-126945/REB 92-01 PC **A07**/MF **A02**

JOZEWICZ, W.
Current Status of ADVACATE Process for Flue Gas Desulfurization (Journal Article).
PB92-150622/REB 92-01 PC **A02**/MF **A01**

Effect of Storage Conditions on Handling and SO2 Reactivity of Ca(OH)2-Based Sorbents.
PB92-124270/REB 92-01 PC **A02**/MF **A01**

Evaluation of NOx Emission Control Catalysts for Power Plant SCR Installations.
PB92-121276/REB 92-01 PC **A03**/MF **A01**

KAHL, J. S.
Regional Patterns and Local Variability of Dry and Occult Deposition Strongly Influence Sulfate Concentrations in Maine Lakes.
PB92-136951/REB 92-01 PC **A02**/MF **A01**

KALLAPUR, V. L.
Vertebrate Toxicology of the Solubilized Parasporal Crystalline Proteins of 'Bacillus thuringiensis' Subsp. 'israelensis'.
PB92-150507/REB 92-01 PC **A03**/MF **A01**

KALLIO, P.
Cape Cod Waste Water Renovation and Retrieval System, a Study of Water Treatment and Conservation First Year of Operation.
PB92-174408/REB 92-01 PC **A10**/MF **A03**

KAMPBELL, D. H.
Biotransformation of Monoaromatic and Chlorinated Hydrocarbons at an Aviation Gasoline Spill Site.
PB92-144005/REB 92-01 PC **A03**/MF **A01**

Bioventing to Treat Fuel Spills from Underground Storage Tanks.
PB92-121342/REB 92-01 PC **A02**/MF **A01**

KANDASWAMI, C.
Metabolism of Benzo(a)Pyrene and Persistence of DNA Adducts in the Brown Bullhead 'Ictalurus nebulosus'.
PB92-189067/REB 92-01 PC **A02**/MF **A01**

KANE, K. A.
Optimal Adaptive Local Grid Refinement Approach to Modeling Contaminant Transport.
PB92-217314/REB 92-04 PC **A03**/MF **A01**

KAPHAMMER, B.
Cloning and Characterization of tfdS, the Repressor-Activator Gene of tfdB, from the 2,4-Dichlorophenoxyacetic Acid Catabolic Plasmid pJP4.
PB92-129634/REB 92-01 PC **A02**/MF **A01**

KAPLAN, L. A.
Selection of Surrogates for a Genetically Engineered Microorganism with Cellulolytic Capability for Ecological Studies in Streams.
PB92-195791/REB 92-01 PC **A03**/MF **A01**

KARCHES, W. E.
Open Path Ambient Measurements of Pollutants with a DOAS System.
PB92-192160/REB 92-01 PC **A02**/MF **A01**

KARICKHOFF, S. W.
Predicting Chemical Reactivity by Computer.
PB92-124312/REB 92-01 PC **A03**/MF **A01**

KARIHER, P.
Evaluation of VOC Emissions from Heated Roofing Asphalt.
PB92-115286/REB 92-01 PC **A04**/MF **A01**

KARNS, S. A.
Recommended Operating Procedure Number 56: Collection of Gaseous Grab Samples from Combustion Sources for Nitrous Oxide Measurement.
PB92-216928/REB 92-04 PC **A03**/MF **A01**

KASLICK, C. A.
Soil Vapor Extraction Column Experiments on Gasoline Contaminated Soil.
PB92-226430/REB 92-04 PC **A05**/MF **A01**

KATS, G.
Effects of Open-Top Chambers on 'Valencia' Orange Trees.
PB92-180355/REB 92-01 PC **A02**/MF **A01**

KATZ, D. F.
Methods for Assessing Rat Sperm Motility.
PB92-195825/REB 92-01 PC **A02**/MF **A01**

KATZ, D. S.
DNA Adduct Formation by 12 Chemicals with Populations Potentially Suitable for Molecular Epidemiological Studies.
PB92-227628/REB 92-04 PC **A04**/MF **A01**

KAUFMANN, G. W.
Evaluation of Wetland Development and Waterbird Response at Elk Creek Wildlife Management Area, Lake Mills, Iowa, 1961 to 1990.
PB92-153386/REB 92-01 PC **A03**/MF **A01**

KAVLOCK, R. A.
In vitro Teratology.
PB92-124700/REB 92-01 PC **A02**/MF **A01**

KAVLOCK, R. J.
Neural Factors in the Development of Renal Function: Effect of Neonatal Central Catecholaminergic Lesions with 6-Hydroxydopamine.
PB92-120492/REB 92-01 PC **A02**/MF **A01**

KAWANISHI, C.
Generation of Recombinant Baculovirus via Liposome-Mediated Transfection.
PB92-143973/REB 92-01 PC **A01**/MF **A01**

KAWANISHI, C. Y.
Selection Kinetics during Serial Cell Culture Passage of Mixtures of Wild-Type 'Autographa californica' Nuclear Polyhedrosis Virus and Its Recombinant Ac360-Beta-gal.
PB92-143874/REB 92-01 PC **A02**/MF **A01**

KAYLOR, W. H.
Ozonation/Post-Chlorination of Humic Acid: A Model for Predicting Drinking Water Disinfection By-Products.
PB92-180280/REB 92-01 PC **A03**/MF **A01**

KAZACHKI, G. S.
Predictions of Azeotropes Formed from Fluorinated Ethers, Ethanes, and Propanes.
PB92-195908/REB 92-01 PC **A03**/MF **A01**

Thermodynamic Evaluation of Predicted Fluorinated Ether, Ethane, and Propane Azeotropes.
PB92-198241/REB 92-04 PC **A03**/MF **A01**

KAZYAK, P. F.
Water Quality Model for a River Receiving Paper Mill Effluents and Conventional Sewage.
PB92-195643/REB 92-01 PC **A03**/MF **A01**

KEDDERIS, L. B.
Disposition of 2,3,7,8-Tetrabromodibenzo-p-Dioxin and 2,3,7,8-Tetrachlorodibenzo-p-dioxin in the Rat: Biliary Excretion and Induction of Cytochromes CYP1A1 and CYP1A2.
PB92-150747/REB 92-01 PC **A03**/MF **A01**

KEEFE, M. J.
EPA SITE Demonstration of the Horsehead Resource Development Company Flame Reactor Technology.
PB92-139401/REB 92-01 PC **A02**/MF **A01**

KEELY, J. F.
Performance Evaluations of Pump-and-Treat Remediations.
PB92-114461/REB 92-01 PC **A03**/MF **A01**

KELCE, W. R.
Immature Rat Leydig Cells are Intrinsically Less Sensitive Than Adult Leydig Cells to Ethane Dimethanesulfonate.
PB92-232842/REB 92-04 PC **A03**/MF **A01**

Isolation and Culture of Leydig Cells from Adult Rats.
PB92-166321/REB 92-01 PC **A03**/MF **A01**

KELLAR, P.
Environmental Monitoring and Assessment Program: 1991 Project Descriptors.
PB92-114479/REB 92-01 PC **A06**/MF **A02**

KELLY, J. E.
National Home and Garden Pesticide Use Survey Final Report. Executive Summary.
PB92-174739/REB 92-01 PC **A03**/MF **A01**

National Home and Garden Pesticide Use Survey. Final Report. Volume 1. Executive Summary, Results, and Recommendations.
PB92-174747/REB 92-01 PC **A16**/MF **A03**

National Home and Garden Pesticide Use Survey. Final Report. Volume 2. Survey Design, Implementation, and Analysis Methods.
PB92-174754/REB 92-01 PC **A07**/MF **A02**

KELLY, T. J.
Phase Distributions of Airborne Polycyclic Aromatic Hydrocarbons in Two U.S. Cities.
PB92-164979/REB 92-01 PC **A03**/MF **A01**

KELSEY, A. T.
Design, Development, and Implementation of AIRS' Area and Mobile Source Subsystem.
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KELTY, K. C.
Comprehensive Evaluation of a Field Test Kit for Lead.
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KEMPEN, J.
Measurement Solution: Using a Temporary Total Enclosure for Capture Efficiency Testing.
PB92-190271/REB 92-01 PC **A07**/MF **A02**

KENADY, M. J.
Proceedings of the International Workshop on Large-Scale Reforestation. Held in Corvallis, Oregon on May 9-10, 1990.
PB92-109131/REB 92-01 PC **A08**/MF **A02**

KENDALL, S. M.
Lotus 1-2-3-Based System for Recording and Maintaining Body Weight of Laboratory Animals.
PB92-158625/REB 92-01 PC **A02**/MF **A01**

KENNEDY, C. H.
Application of the EPR Spin-Trapping Technique to the Detection of Radicals Produced in vivo during Inhalation Exposure of Rats to Ozone.
PB92-227412/REB 92-04 PC **A02**/MF **A01**

KENNEDY, T. P.
Reduction of Neutrophil Influx Diminishes Lung Injury and Mortality Following Phosgene Inhalation.
PB92-227420/REB 92-04 PC **A03**/MF **A01**

KENT, D. B.
Effect of the Geochemical Environment on Heavy-Metal Transport in Ground Water.
PB92-179134/REB 92-01 PC **A03**/MF **A01**

KENTULA, M. E.
Approach to Improving Decision Making in Wetland Restoration and Creation.
PB92-217306/REB 92-04 PC **A08**/MF **A02**

Effects of Section 404 Permitting on Freshwater Wetlands in Louisiana, Alabama, and Mississippi.
PB92-217439/REB 92-04 PC **A03**/MF **A01**

Evaluating Design and Verifying Compliance of Created Wetlands in the Vicinity of Tampa, Florida.
PB92-116045/REB 92-01 PC **A06**/MF **A02**

Permit Tracking System (PTS): A User's Manual.
PB92-105659/REB 92-01 PC **A08**/MF **A02**

Pilot Study to Compare Created and Natural Wetlands in Western Washington and Evaluate Methods.
PB92-136811/REB 92-01 PC **A04**/MF **A01**

Quality Assurance Project Plan: Tampa, Florida Wetlands Study.
PB92-122761/REB 92-01 PC **A11**/MF **A03**

Trends and Patterns in Section 404 Permitting Requiring Compensatory Mitigation in Oregon and Washington, USA.
PB92-153907/REB 92-01 PC **A03**/MF **A01**

KERFOOT, W. B.
Cape Cod Waste Water Renovation and Retrieval System, a Study of Water Treatment and Conservation First Year of Operation.
PB92-174408/REB 92-01 PC **A10**/MF **A03**

KERN, J. S.
Impact of Conservation Tillage Use on Soil and Atmospheric Carbon in the Contiguous United States.
PB92-113448/REB 92-01 PC **A03**/MF **A01**

KERSTETER, S. L.
Identification and Characterization of Missing or Unaccounted for Area Source Categories.
PB92-139377/REB 92-01 PC **A15**/MF **A03**

KERWICK, D. J.
Chemical Resistance of Geosynthetic Materials.
PB92-136928/REB 92-01 PC **A03**/MF **A01**

KESSLER, R. C.
Guideline for Regulatory Application of the Urban Airshed Model for Areawide Carbon Monoxide. Volume 1. Technical Report.
PB92-213222/REB 92-04 PC **A04**/MF **A01**

Guideline for Regulatory Application of the Urban Airshed Model for Areawide Carbon Monoxide. Volume 2. Appendices.
PB92-213230/REB 92-04 PC **A04**/MF **A01**

KETCHUM, B. H.
Cape Cod Waste Water Renovation and Retrieval System, a Study of Water Treatment and Conservation First Year of Operation.
PB92-174408/REB 92-01 PC **A10**/MF **A03**

KHILIL, M. A. K.
Stability of Tropospheric OH during Ice Ages, Inter-Glacial Epochs and Modern Times.
PB92-166669/REB 92-01 PC **A02**/MF **A01**

KILEY, K. P.
Distribution of Submerged Aquatic Vegetation in the Chesapeake Bay and Tributaries and Chincoteague Bay - 1990.
PB92-145366/REB 92-01 PC **A13**

KILGROE, J. D.
Combustion Control of Trace Organic Air Pollutants from Municipal Waste Combustors.
PB92-113158/REB 92-01 PC **A03**/MF **A01**

Parametric Evaluation of Powdered Activated Carbon Injection for Control of Mercury Emissions from a Municipal Waste Combustor.
PB92-195940/REB 92-01 PC **A03**/MF **A01**

Reducing Mercury Emission from Municipal Waste Combustion with Carbon Injection into Flue Gas.
PB92-195965/REB 92-04 PC **A03**/MF **A01**

KILLOUGH, P.
Dynamics of Behavioral Thermoregulation in the Rat.
PB92-124619/REB 92-01 PC **A02**/MF **A01**

KIM, T.
Numerical Calculation: Aspiration Efficiency of Aerosols into Thin-Walled Sampling Inlets.
PB92-132901/REB 92-01 PC **A06**/MF **A02**

KIMBELL, J. S.
Regional Respiratory Tract Absorption of Inhaled Reactive Gases.
PB92-217140/REB 92-04 PC **A05**/MF **A01**

KIMBROUGH, E. S.
Design, Development, and Implementation of AIRS' Area and Mobile Source Subsystem.
PB92-124213/REB 92-01 PC **A03**/MF **A01**

Documentation of AIRS AMS National Methodologies.
PB92-132869/REB 92-01 PC **A07**/MF **A02**

KIMERLING, A. J.
Cartographic and Geometric Components of a Global Sampling Design for Environmental Monitoring.
PB92-217397/REB 92-04 PC **A03**/MF **A01**

KIMMEL, C. A.
What Can Be Learnt from Protocols Relating to Non-Pharmaceuticals.
PB92-150424/REB 92-01 PC **A03**/MF **A01**

KINEMAN, J. J.
Global Ecosystems Database. Version 0.1 (Beta-test). EPA Global Climate Research Program. NOAA/NGDC Global Change Database Program. Prototype 1. Database Documentation. NGDC Key to Geophysical Records Documentation No. 25.
PB92-122803/REB 92-01 PC **A16**/MF **A03**

KING, G.
Risk Assessment, Management, Communication: A Guide to Selected Sources Volume 4, Number 2.
PB92-238518/REB 92-04 PC **A09**/MF **A02**

KING, G. A.
Potential Impacts of Climate Change on Pacific Northwest Forest Vegetation.
PB92-184985/REB 92-01 PC **A03**/MF **A01**

Toward a Rule-Based Biome Model (Journal Article).
PB92-232909/REB 92-04 PC **A03**/MF **A01**

KINGSBURY, G.
Reclamation and Redevelopment of Contaminated Land. Volume 2. European Case Studies.
PB92-146166/REB 92-01 PC **A13**/MF **A03**

KINGSBURY, G. L.
Background Document for the Liquid Release Test: Single Laboratory Evaluation and 1988 Collaborative Study.
PB92-183201/REB 92-04 PC **A06**/MF **A02**

KINGSCOTT, J.
Innovative Treatment Technologies: Overview and Guide to Information Sources.
PB92-179001/REB 92-01 PC **A20**/MF **A04**

KINGSTON, J. C.
Assessing Trends in Fishery Resources and Lake Water Aluminum from Paleolimnological Analyses of Siliceous Algae.
PB92-180405/REB 92-01 PC **A03**/MF **A01**

Diatoms: Powerful Indicators of Environmental Change.
PB92-180397/REB 92-01 PC **A03**/MF **A01**

How Much Acidification Has Occurred in Adirondack Region Lakes (New York, USA) since Preindustrial Times.
PB92-180371/REB 92-01 PC **A03**/MF **A01**

KIRCHGESSNER, D. A.
Fuel Rich Sulfur Capture in a Combustion Environment.
PB92-205228/REB 92-04 PC **A02**/MF **A01**

Near-Continuous Measurement of Hydrogen Sulfide and Carbonyl Sulfide by an Automatic Gas Chromatograph.
PB92-150598/REB 92-01 PC **A02**/MF **A01**

KIRSCH, F. W.
Waste Minimization Assessment for a Dairy.
PB92-217264/REB 92-04 PC **A01**/MF **A01**

Waste Minimization Assessment for a Manufacturer of Aluminum Extrusions.
PB92-192137/REB 92-01 PC **A02**/MF **A01**

Waste Minimization Assessment for a Manufacturer of Automotive Air Conditioning Condensers and Evaporators.
PB92-188739/REB 92-01 PC **A02**/MF **A01**

Waste Minimization Assessment for a Manufacturer of Can-Manufacturing Equipment.
PB92-196385/REB 92-04 PC **A01**/MF **A01**

Waste Minimization Assessment for a Manufacturer of Commercial Ice Machines and Ice Storage Bins.
PB92-196351/REB 92-01 PC **A02**/MF **A01**

Waste Minimization Assessment for a Manufacturer of Components for Automobile Air Conditioners.
PB92-217272/REB 92-04 PC **A01**/MF **A01**

Waste Minimization Assessment for a Manufacturer of Metal Bands, Clamps, Retainers, and Tooling.
PB92-188747/REB 92-01 PC **A02**/MF **A01**

Waste Minimization Assessment for a Manufacturer of Metal-Cutting Wheels and Components.
PB92-192145/REB 92-01 PC **A02**/MF **A01**

Waste Minimization Assessment for a Manufacturer of Metal-Plated Display Racks.
PB92-189703/REB 92-01 PC **A02**/MF **A01**

Waste Minimization Assessment for a Manufacturer of Military Furniture.
PB92-217256/REB 92-04 PC **A01**/MF **A01**

Waste Minimization Assessment for a Manufacturer of Motor Vehicle Exterior Mirrors.
PB92-192806/REB 92-01 PC **A01**/MF **A01**

Waste Minimization Assessment for a Manufacturer of Permanent-Magnet DC Electric Motors.
PB92-196369/REB 92-04 PC **A02**/MF **A01**

Waste Minimization Assessment for a Manufacturer of Printed Labels.
PB92-104371/REB 92-01 PC **A02**/MF **A01**

Waste Minimization Assessment for a Manufacturer of Prototype Printed Circuit Boards.
PB92-104355/REB 92-01 PC **A01**/MF **A01**

Waste Minimization Assessment for a Manufacturer of Refurbished Railcar Bearing Assemblies.
PB92-104348/REB 92-01 PC **A01**/MF **A01**

Waste Minimization Assessment for a Manufacturer of Sheet Metal Cabinets and Precision Metal Parts.
PB92-196377/REB 92-04 PC **A02**/MF **A01**

Waste Minimization Assessment for a Manufacturer of Speed Reduction Equipment.
PB92-104363/REB 92-01 PC **A01**/MF **A01**

Waste Minimization Assessment for a Manufacturer of Water Analysis Instrumentation.
PB92-217280/REB 92-04 PC **A01**/MF **A01**

Waste Minimization Assessment for a Manufacturer Producing Galvanized Steel Parts.
PB92-189695/REB 92-01 PC **A02**/MF **A01**

Waste Minimization Assessment for a Manufacturer Producing Treated Wood Products.
PB92-196401/REB 92-04 PC **A01**/MF **A01**

Waste Minimization Assessment for a Printed Circuit Board Manufacturer.
PB92-196344/REB 92-04 PC **A02**/MF **A01**

Waste Minimization Assessment for an Aluminum Extrusions Manufacturer.
PB92-196393/REB 92-04 PC **A02**/MF **A01**

KITAPLIOGLU, O.

Technology Evaluation Report: Biotrol Soil Washing System for Treatment of a Wood Preserving Site. Volume 1.
PB92-115310/REB 92-01 PC **A13**/MF **A03**

Technology Evaluation Report: Biotrol Soil Washing System for Treatment of a Wood Preserving Site. Volume 2, Part A.
PB92-115328/REB 92-01 PC **A17**/MF **A04**

Technology Evaluation Report: Biotrol Soil Washing System for Treatment of a Wood Preserving Site. Volume 2, Part B.
PB92-115336/REB 92-01 PC **A15**/MF **A03**

KITCHENS, B. E.

Problems Associated with Published Environmental Fate Data.
PB92-101666/REB 92-01 PC **A03**/MF **A01**

KITCHIN, K. T.

Predictive Assay for Rodent Carcinogenicity Using In vivo Biochemical Parameters: Operational Characteristics and Complementarity.
PB92-206390/REB 92-04 PC **A03**/MF **A01**

KIZLAUSKAS, A. G.

Regional Efforts Through the LJC to Address Contaminated Bottom Sediment Problems in the Great Lakes.
AD-P006 832/0/REB 92-04 PC **A02**/MF **A01**

KLEINDIENST, T.

Emissions and Fuel Economy of DOE Flex-Fuel Vehicles.
PB92-153055/REB 92-01 PC **A03**/MF **A01**

KLIGERMAN, A.

DNA Adducts in Rat Lung, Liver and Peripheral Blood Lymphocytes Produces by i.p. Administration of Benzo(a)Pyrene Metabolites and Derivatives.
PB92-124627/REB 92-01 PC **A01**/MF **A01**

KLIGERMAN, A. D.

Induction of Micronuclei by X-radiation in Human, Mouse and Rat Peripheral Blood Lymphocytes.
PB92-113315/REB 92-01 PC **A02**/MF **A01**

Interspecies Cytogenetic Comparisons: Studies with X-Radiation and Bleomycin Sulfate.
PB92-227438/REB 92-04 PC **A03**/MF **A01**

KLINEFELTER, G. R.

Isolation and Culture of Leydig Cells from Adult Rats.
PB92-166321/REB 92-01 PC **A03**/MF **A01**

KLOUDA, G. A.

14C Source Apportionment Technique Applied to Wintertime Urban Aerosols and Gases for the EPA Integrated Air Cancer Project.
PB92-171370 92-01 Not available NTIS

KLUWE, W.

Review of Di(2-Ethylhexyl)Phthalate (DEHP) Risk Assessments.
PB92-198613/REB 92-04 PC **A03**/MF **A01**

KNAPP, C. M.

Alaska North Slope Oil-Field Restoration Research Strategy.
PB92-151653/REB 92-01 PC **A04**/MF **A01**

KNAPP, K. T.

Composition of Motor Vehicle Organic Emissions under Elevated Temperature Summer Driving Conditions (75 to 105 deg F).
PB92-166693/REB 92-01 PC **A02**/MF **A01**

KNIGHT, T.

Auditory Deficits and Motor Dysfunction Following Iminodipropionitrile Administration in the Rat.
PB92-143890/REB 92-01 PC **A02**/MF **A01**

KNOLL, J. E.

Evaluation of VOST and SemiVOST Methods for Halogenated Compounds in the Clean Air Act Amendments Title III, Bench and Laboratory Studies.
PB92-178979/REB 92-01 PC **A03**/MF **A01**

Sampling and Analysis of PCDDs and PCDFs in Stationary Source Emission Air Samples.
PB92-166677/REB 92-01 PC **A02**/MF **A01**

Tedlar Bag Sampling System for Toxic Organic Compounds in Source Emission Sampling and Analysis.
PB92-166719/REB 92-01 PC **A01**/MF **A01**

KOECK, D. J.

Chemical Resistance of Geosynthetic Materials.
PB92-136928/REB 92-01 PC **A03**/MF **A01**

KOERNER, G. R.

Biological Activity and Potential Remediation Involving Geotextile Landfill Leachate Filters.
PB92-153451/REB 92-01 PC **A03**/MF **A01**

KOERNER, R. M.

Biological Activity and Potential Remediation Involving Geotextile Landfill Leachate Filters.
PB92-153451/REB 92-01 PC **A03**/MF **A01**

Ductile-to-Brittle Transition Time in Polyethylene Geomembrane Sheet.
PB92-153758/REB 92-01 PC **A02**/MF **A01**

Geomembrane Anchorage Behavior Using a Large Scale Pullout Apparatus.
PB92-217124/REB 92-04 PC **A03**/MF **A01**

Stress Crack Testing of Polyethylene Geomembranes.
PB92-217132/REB 92-04 PC **A03**/MF **A01**

Technical Guidance Document: Inspection Techniques for the Fabrication of Geomembrane Field Seams.
PB92-109057/REB 92-01 PC **A08**/MF **A02**

KOERPER, G.

Toward a Rule-Based Biome Model (Journal Article).
PB92-232909/REB 92-04 PC **A03**/MF **A01**

KOESTER, C. J.

Comparative Analysis of Dioxins and Furans in Ambient Air by High Resolution and Electron Capture Mass Spectrometry.
PB92-206440/REB 92-04 PC **A02**/MF **A01**

KOGLIN, E. N.

International Symposium on Field Screening Methods for Hazardous Wastes and Toxic Chemicals (2nd), Proceedings. Held in Las Vegas, Nevada on February 12-14, 1991.
PB92-125764/REB 92-01 PC **A99**/MF **E08**

KOHAN, M. J.

2,4,5-Trichlorophenoxyacetic Acid Influence on 2,6-Dinitrotoluene-Induced Urine Genotoxicity in Fisher 344 Rats: Effect on Gastrointestinal Microflora and Enzyme Activity.
PB92-206309/REB 92-04 PC **A02**/MF **A01**

Effect of Pentachlorophenol on the Activation of 2,6-Dinitrotoluene to Genotoxic Urinary Metabolites in CD-1 Mice: A Comparison of GI Enzyme Activities and Urine Mutagenicity.
PB92-150895/REB 92-01 PC **A03**/MF **A01**

Improvement in the Diagnostic Potential of (32)P-Postlabeling Analysis Demonstrated by the Selective Formation and Comparative Analysis of Nitrated-PAH-Derived Adducts Arising from Diesel Particle Extracts.
PB92-110485/REB 92-01 PC **A02**/MF **A01**

KOKKINOS, A.

Stationary Combustion NOx Control: A Summary of the 1991 Symposium. Held in Washington, DC., March 25-28, 1991.
PB92-121375/REB 92-01 PC **A02**/MF **A01**

KOLLIG, H. P.

Problems Associated with Published Environmental Fate Data.
PB92-101666/REB 92-01 PC **A03**/MF **A01**

KOMINSKY, J. R.

Asbestos Concentrations Two Years After Abatement in Seventeen Schools.
PB92-158476/REB 92-01 PC **A03**/MF **A01**

Asbestos Fiber Release during Change-Out of Filter Bags from HEPA-Filtered Vacuum Cleaners.
PB92-113208/REB 92-01 PC **A02**/MF **A01**

KOPPIKAR, A.

Upper-Bound Quantitative Cancer Risk Estimate for Populations Adjacent to Sulfur Mustard Incineration Facilities.
PB92-137207/REB 92-01 PC **A03**/MF **A01**

KOREN, H. S.

Differences in Arachidonic Acid Metabolism by Human Myelomonocytic Cell Lines.
PB92-217215/REB 92-04 PC **A02**

Exposure of Humans to a Volatile Organic Mixture. 3. Inflammatory Response.
PB92-217223/REB 92-04 PC **A02**/MF **A01**

Modulation of Human Alveolar Macrophage Properties by Ozone Exposure In vitro.
PB92-113281/REB 92-01 PC **A03**/MF **A01**

Ozone-Induced Inflammatory Response in Pulmonary Cells.
PB92-232792/REB 92-04 PC **A04**/MF **A01**

KORVER, M. P.

Possible Approaches to Establishing Interlaboratory Comparability of Measurements of Polychlorinated Biphenyls in Human Serum.
PB92-144062/REB 92-01 PC **A02**/MF **A01**

Selection of a Base Serum for the Preparation of Quality Control Pools Containing Environment Analytes.
PB92-153840/REB 92-01 PC **A03**/MF **A01**

KOSSON, D.

Comparison of Five Solidification/Stabilization Processes for Treatment of Municipal Waste Combustion Residues. Part 1. Physical Testing.
PB92-121193/REB 92-01 PC **A03**/MF **A01**

KOSSON, D. S.

Comparison of Solidification/Stabilization Processes for Treatment of Municipal Waste Combustion Residues. Part 2. Leaching Properties.
PB92-121201/REB 92-01 PC **A03**/MF **A01**

Trace Elements, Leaching and Health Risks from Municipal Waste Combustion Ash.
PB92-153311/REB 92-01 PC **A03**/MF **A01**

United States Environmental Protection Agency Municipal Waste Combustion Residue Solidification/Stabilization Evaluation Program.
PB92-121177/REB 92-01 PC **A03**/MF **A01**

KOSUSKO, M.

Surface-Coating-Free Materials and Reduction of VOC Emissions from Coating Operations.
PB92-206614/REB 92-04 PC **A03**/MF **A01**

VOC Prevention Options for Surface Coating.
PB92-198266/REB 92-04 PC **A03**/MF **A01**

KOTHARI, A.

Separation of Hazardous Organics by Low Pressure Membranes: Treatment of Soil-Wash Rinse-Water Leachates.
PB92-153436/REB 92-01 PC **A07**/MF **A02**

KOUTRAKIS, P.

Acid Aerosol Measurement Methods: Studies of Extraction and Analytical Effects.
PB92-191154/REB 92-01 PC **A02**/MF **A01**

KOVACS, D. A.

Effect of Nitrate Addition on Biorestoration of Fuel-Contaminated Aquifer: Field Demonstration.
PB92-110444/REB 92-01 PC **A03**/MF **A01**

KOVALEV, V. A.

Variable Phase Function Approach for the Inversion of Lidar Return Signals.
N92-31073/9/REB 92-04
(Order as N92-31013/5/REB, PC **A16**/MF **A03**)

KRAGANN, R. H.

Long-Path FTIR Measurements of Volatile Organic Compounds in an Industrial Setting (July 1989-April 1991).
PB92-206424/REB 92-04 PC **A02**/MF **A01**

KRAPAC, I. G.

Construction, Monitoring, and Performance of Two Soil Liners.
PB92-124049/REB 92-01 PC **A07**/MF **A02**

Technical Resource Document: Batch-Type Procedures for Estimating Soil Adsorption of Chemicals.
PB92-188515/REB 92-01 PC **A06**/MF **A02**

KRAUSE, G. F.

Statistical Approach to Predicting Chronic Toxicity of Chemicals to Fishes from Acute Toxicity Test Data. Data Tape Documentation.
PB92-169655/REB 92-04 PC **A06**/MF **A02**

KRAVITZ, M.

Contaminated Sediments: Relevant Statutes and EPA Program Activities.
PB92-231547/REB 92-04 PC **A07**/MF **A02**

KRCA, S.

Potential of Carp to Bioactivate Benzo(a)pyrene to Metabolites That Bind to DNA.
PB92-189034/REB 92-01 PC **A02**/MF **A01**

KREEGER, D. A.

Nutritional Value of 'Artemia' and 'Tigriopus californicus' (Baker) for Two Pacific Mysid Species, 'Metamysidopsis elongata' (Holmes) and 'Mysidopsis intii' (Holmquist).
PB92-108000/REB 92-01 PC **A03**/MF **A01**

KREEGER, K. E.

Nutritional Value of 'Artemia' and 'Tigriopus californicus' (Baker) for Two Pacific Mysid Species, 'Metamysidopsis elongata' (Holmes) and 'Mysidopsis intii' (Holmquist).
PB92-108000/REB 92-01 PC **A03**/MF **A01**

KREITLER, C. W.

Identification of Sources of Ground-Water Salinization Using Geochemical Techniques.
PB92-119650/REB 92-01 PC **A12**/MF **A03**

KREMER, F.

Effect of Bioremediation on the Mutagenicity of Oil Spilled in Prince William Sound, Alaska.
PB92-206374/REB 92-04 PC **A02**/MF **A01**

Oil Spill Clean Up.
PB92-110469/REB 92-01 PC **A01**/MF **A01**

KREWSKI, D.

Overview, Conclusions, and Recommendations of the IPCS Collaborative Study on Complex Mixtures.
PB92-150689/REB 92-01 PC **A03**/MF **A01**

Sources of Variation in the Mutagenic Potency of Complex Chemical Mixtures Based on the Salmonella/Microsome Assay.
PB92-150713/REB 92-01 PC **A03**/MF **A01**

KRIEGMAN-KING, M. R.
Abiotic Transformation of Carbon Tetrachloride in the Presence of Sulfide and Mineral Surfaces.
PB92-179738/REB 92-01 PC **A02**/MF **A01**

Reduction of Hexachloroethane and Carbon Tetrachloride at Surfaces of Biotite, Vermiculite, Pyrite, and Marcasite.
PB92-113141/REB 92-01 PC **A03**/MF **A01**

KRISHNAMURTHY, S.
Biomethylation and Environmental Transport of Metals.
PB92-206275/REB 92-04 PC **A02**/MF **A01**

Humic Substances and Contaminant Transport: A Review.
PB92-179753/REB 92-01 PC **A02**/MF **A01**

KRISHNAN, R.
Guides to Pollution Prevention: The Fiberglass-Reinforced and Composite Plastics Industry.
PB91-227967/REB 92-01 PC **A04**/MF **A01**

KROST, K. J.
Evaluation of the Fourier Transform Infrared Spectrometer for Particle-Associated Ammonium Sulfate Determination.
PB92-160084/REB 92-01 PC **A04**/MF **A01**

KRUEGAR, C. C.
Developing *Sediments Quality Standards: Comprehensive* Sediment Management in Puget Sound.
AD-P006 465/9/REB 92-01 PC **A03**/MF **A01**

KRUGER-MCDERMOTT, C.
Health Assessment Document for Talc.
PB92-239524/REB 92-04 PC **A04**/MF **A01**

KUBIAK, T. J.
Determination and Occurrence of AHH-Active Polychlorinated Biphenyls, 2,3,7,8-Tetrachloro-p-Dioxin and 2,3,7,8-Tetrachlorodibenzofuran in Lake Michigan Sediment and Biota. The Question of Their Relative Toxicological Significance.
PB92-108125/REB 92-01 PC **A03**/MF **A01**

KUHLMAN, M. R.
Polycyclic Aromatic Hydrocarbons and Their Derivatives in Indoor and Outdoor Air in an Eight-Home Study.
PB92-166701/REB 92-01 PC **A03**/MF **A01**

Sampling Polycyclic Aromatic Hydrocarbons and Related Semivolatile Organic Compounds in Indoor Air.
PB92-198274/REB 92-04 PC **A03**/MF **A01**

KUHN, A.
Life History and Toxicological *Comparisons of Temperate* and Subtropical Mysids.
PB92-124304/REB 92-01 PC **A03**/MF **A01**

KUHN, A. H.
Increased Reproduction by Mysids ('Mysidopsis bahia') Fed with Enriched 'Artemia' spp. Nauplii.
PB92-108034/REB 92-01 PC **A02**/MF **A01**

KUHN, C. M.
Corticosterone Hypersecretion in Preweanling Rats Exposed Neonatally to Trimethyltin.
PB92-227529/REB 92-04 PC **A02**/MF **A01**

KULKARNI, A. P.
Predictive Assay for Rodent Carcinogenicity Using In vivo Biochemical Parameters: Operational Characteristics and Complementarity.
PB92-206390/REB 92-04 PC **A03**/MF **A01**

KULP, K. P.
Concentration and Transport of Polychlorinated Biphenyls in the Housatonic River between Great Barrington, Massachusetts, and Kent, Connecticut, 1984-88.
PB92-147719/REB 92-01 PC **A03**/MF **A01**

KUNZ, K.
Pilot Study to Compare Created and Natural Wetlands in Western Washington and Evaluate Methods.
PB92-136811/REB 92-01 PC **A04**/MF **A01**

Trends and Patterns in Section 404 Permitting Requiring *Compensatory Mitigation in Oregon and Washington, USA.*
PB92-153907/REB 92-01 PC **A03**/MF **A01**

KUPERBERG, M.
Proximity of Louisiana Sanitary Landfills to Wetlands and Deepwater Habitats.
PB92-164953/REB 92-01 PC **A02**/MF **A01**

KURELEC, B.
Potential of Carp to Bioactivate *Benzo(a)pyrene to Metabo*lites That Bind to DNA.
PB92-189034/REB 92-01 PC **A02**/MF **A01**

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Toxicity Equivalency Factors for PCBs.
PB92-113349/REB 92-01 PC **A03**/MF **A01**

KWANYUEN, P.
Interspecies Cytogenetic Comparisons: Studies with X-Radiation and Bleomycin Sulfate.
PB92-227438/REB 92-04 PC **A03**/MF **A01**

LABATIUK, C. W.
Comparison of Animal Infectivity, Excystation, and Fluorogenic Dye as *Measures of 'Giardia muris' Cyst Inactivation* by Ozone.
PB92-124288/REB 92-01 PC **A02**/MF **A01**

LABIOSA, J.
Arsenic and Mercury Workshop on Removal, Recovery, Treatment and Disposal. Abstract Proceedings. Held in Alexandria, Virginia on August 17-20, 1992.
PB92-216944/REB 92-04 PC **A07**/MF **A02**

LABUNSKI, S.
Demonstration of Microfiltration Technology.
PB92-136936/REB 92-01 PC **A02**/MF **A01**

LACKIE, N. F.
Influence of Size on Fate and Ecological Effects of Kepone in Physical Models.
PB92-121326/REB 92-01 PC **A03**/MF **A01**

LADD, L.
Slowing the Increase of Atmospheric Carbon Dioxide: A *Biological Approach.*
PB92-144070/REB 92-01 PC **A02**/MF **A01**

LAKE, J. L.
Dechlorinations of Polychlorinated Biphenyls in Sediments of New Bedford Harbor.
PB92-121151/REB 92-01 PC **A03**/MF **A01**

Evaluation of Selected Lipid Methods for Normalizing Pollutant *Bioaccumulation.*
PB92-124379/REB 92-01 PC **A02**/MF **A01**

LAMBERT, G.
Synthesis of a Novel Fluorinated Benzo(a)pyrene: 4,5-Difluorobenzo(a)pyrene.
PB92-110493/REB 92-01 PC **A02**/MF **A01**

LAMBERT, G. R.
DNA Adducts of the Antitumor Agent Diaziquone.
PB92-150739/REB 92-01 PC **A02**/MF **A01**

LAMBOU, V. W.
Proximity of Louisiana Sanitary Landfills to Wetlands and Deepwater Habitats.
PB92-164953/REB 92-01 PC **A02**/MF **A01**

LANDRETH, R. E.
Environmental Protection Agency's Municipal Solid Waste *Landfill Liner Design Criteria.*
PB92-153766/REB 92-01 PC **A02**/MF **A01**

Inspection Techniques for the Fabrication of Geomembrane Field Seams.
PB92-188770/REB 92-01 PC **A02**/MF **A01**

RCRA Cover Systems for Waste Management Facilities.
PB92-120435/REB 92-01 PC **A03**/MF **A01**

Technical Guidance Document: Inspection Techniques for the Fabrication of Geomembrane Field Seams.
PB92-109057/REB 92-01 PC **A08**/MF **A02**

LANGDON, C. J.
Nutritional Value of 'Artemia' and 'Tigriopus californicus' (Baker) for Two Pacific Mysid Species, *'Metamysidopsis* elongata' (Holmes) and 'Mysidopsis intii' (Holmquist).
PB92-108000/REB 92-01 PC **A03**/MF **A01**

LANIER, W. S.
Trajectory and Incineration of Rogue Droplets in a Turbulent *Diffusion Flame.*
PB92-120450/REB 92-01 PC **A03**/MF **A01**

LANTZ, S. E.
Bench-Scale Evaluation of Alternative Biological Treatment Processes for the Remediation of Pentachlorophenol- and Creosote-Contaminated Materials: Slurry-Phase Bioremediation.
PB92-129683/REB 92-01 PC **A02**/MF **A01**

Bench-Scale Evaluation of Alternative Biological Treatment Processes for the *Remediation of Pentachlorophenol- and* Creosote-Contaminated Materials: Solid-Phase Bioremediation.
PB92-129725/REB 92-01 PC **A03**/MF **A01**

Biodegradation of Creosote and Pentachlorophenol in Contaminated Groundwater: Chemical and Biological Assessment.
PB92-129659/REB 92-01 PC **A03**/MF **A01**

Detoxification of Pentachlorophenol and Creosote Contaminated Groundwater by *Physical Extraction: Chemical and* Biological Assessment.
PB92-129733/REB 92-01 PC **A02**/MF **A01**

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Triphenyl Phosphite-Induced Ultrastructural Changes in *Bovine Adrenomedullary Chromaffin Cells.*
PB92-209337/REB 92-04 PC **A03**/MF **A01**

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Measurement Solution: Using a Temporary Total Enclosure for Capture Efficiency Testing.
PB92-190271/REB 92-01 PC **A07**/MF **A02**

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Control of Alkaline Phosphatase Activity in C3H10T1/2 Cells: Role of Retinoic Acid and Cell Density.
PB92-198639/REB 92-04 PC **A03**/MF **A01**

LARSEN, T.
Landfill Leachate Effects on Sorption of Organic Micropollu*tants onto Aquifer Materials.*
PB92-198597/REB 92-04 PC **A03**/MF **A01**

LASKEY, J. W.
Use of the Fungicide Carbendazim as a Model Compound to Determine the Impact of Acute Chemical Exposure during Oocyte Maturation and Fertilization on Pregnancy Outcome in the Hamster.
PB92-206416/REB 92-04 PC **A02**/MF **A01**

LASLEY, J.
Morphological Transformation and DNA Adduct Formation by Benz(j)aceanthrylene and Its Metabolites in C3H10T1/2CL8 Cells: Evidence for Both Cyclopenta-Ring and Bay-Region Metabolic Activation Pathways.
PB92-150762/REB 92-01 PC **A02**/MF **A01**

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PB92-179829/REB 92-01 PC **A03**/MF **A01**

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PB92-227339/REB 92-04 PC **A03**/MF **A01**

Removal of Creosote from Soil by Thermal Desorption.
PB92-126838/REB 92-01 PC **A02**/MF **A01**

Removal of Radium from Drinking Water.
PB92-218320/REB 92-04 PC **A07**/MF **A02**

LAWLESS, P. A.
ESP VI 4.0 Electrostatic Precipitator VI and Performance Prediction Model.
PB92-169614/REB 92-04 PC **A05**/MF **A01**

Modeling Wave Form Effects in ESPs: The Algorithm in ESPM and ESPVI.
PB92-121243/REB 92-01 PC **A03**/MF **A01**

LAWLESS, T. C.
Atlanta Ozone Precursor Monitoring Study Data Report.
PB92-220656/REB 92-04 PC **A08**/MF **A02**

LAWRENCE, B. K.
Prophage Induction by DNA Topoisomerase II Poisons and Reactive-Oxygen Species: Role of DNA Breaks.
PB92-195866/REB 92-01 PC **A03**/MF **A01**

LAWRENCE, W. T.
Evaluation of Personal Cooling Devices for Dioxin Clean-Up Operation.
PB92-206895/REB 92-04 PC **A05**/MF **A01**

LAWSON, D. R.
Transactions: Tropospheric Ozone and the Environment. Papers from an International Conference.
PB92-217017/REB 92-04 PC **A03**/MF **A01**

LAWSON, R. E.
Fluid Modeling Simulation of Stack-Tip Downwash for Neutrally Buoyant Plumes.
PB92-166644/REB 92-01 PC **A03**/MF **A01**

LAZNIK, M. M.
Analysis of Long-Term and Seasonal River Water Quality Changes in Latvia.
PB92-232933/REB 92-04 PC **A03**/MF **A01**

LAZZO, D. W.
Alternative Control Techniques Document: Nitric and Adipic Acid Manufacturing Plants.
PB92-132828/REB 92-01 PC **A07**/MF **A02**

LEAVITT, S.
Improved Sample Recovery in Thermocycle Sequencing Protocols.
PB92-124593/REB 92-01 PC **A01**/MF **A01**

LEBEDZINSKI, N.
Guidelines for Asbestos NESHAP Demolition and Renovation Inspection Procedures.
PB92-132836/REB 92-01 PC **A07**/MF **A02**

LEBREC, H.
New Methods for the Assessment of Immunotoxicity of *Chemical Substances.*
PB92-232859/REB 92-04 PC **A02**/MF **A01**

LEDUC, S.
NEXRAD Precipitation Information Application Forum Climate and Global Change.
PB92-180082/REB 92-01 PC **A03**/MF **A01**

LEDUC, S. K.
Role of Climate in Forest Monitoring and Assessment: A New England Example.
PB92-132885/REB 92-01 PC **A06**/MF **A02**

LEE, C. C.
Comparison of the Incineration of Medical Waste with Hazardous and Municipal Waste.
PB92-217090/REB 92-04 PC **A03**/MF **A01**

Environmental Laws and Regulations Relating to Medical Waste Disposal.
PB92-217249/REB 92-04 PC **A03**/MF **A01**

LEE, C. W.
Experimental Investigation of PIC Formation in CFC Incineration.
PB92-150432/REB 92-01 PC **A02**/MF **A01**

LEE, E. H.
Adjusting Ambient Ozone Air Quality Indicators for Missing Values.
PB92-124155/REB 92-01 PC **A02**/MF **A01**

LEE, G.
Statistical Approach to Predicting Chronic Toxicity of Chemicals to Fishes *from Acute Toxicity Test Data. Data* Tape Documentation.
PB92-169655/REB 92-04 PC **A06**/MF **A02**

LEE, H.
Computerized Risk and Bioaccumulation System (Version 1.0).
PB92-114164/REB 92-01 PC **A03**/MF **A01**

Evaluation of Selected Lipid Methods for Normalizing Pollutant Bioaccumulation.
PB92-124379/REB 92-01 PC **A02**/MF **A01**

LEE, J. W.
Pilot-Scale Evaluation of the Thermal Stability POHC Incinerability Ranking.
PB92-166966/REB 92-01 PC **A11**/MF **A03**

Trace Metal Fate in a Rotary Kiln Incinerator with an Ionizing Wet Scrubber (Journal Article).
PB92-110568/REB 92-01 PC **A02**/MF **A01**

LEE, K. H.
Watershed Characterization Using Landsat Thematic Mapper Imagery: Blackfoot River, Montana.
PB92-115237/REB 92-01 PC **A03**/MF **A01**

LEE, K. L. A.
Dynamics of Behavioral Thermoregulation in the Rat.
PB92-124619/REB 92-01 PC **A02**/MF **A01**

Lotus 1-2-3-Based System for Recording and Maintaining Body Weight of Laboratory Animals.
PB92-158625/REB 92-01 PC **A02**/MF **A01**

LEE, L.
Acute Effects of Diisopropyl Fluorophosphate (DFP) on Autonomic and Behavioral Thermoregulatory Responses in the Long-Evans Rat.
PB92-124668/REB 92-01 PC **A03**/MF **A01**

LEE, L. S.
Prediction of the Solubility of Hydrophobic Compounds in Nonideal Solvent Mixtures.
PB92-143999/REB 92-01 PC **A03**/MF **A01**

LEEMANS, R.
Equilibrium-Analysis of Projected Climate Change Effects on the Global Soil Organic Matter Pool.
PB92-153022/REB 92-01 PC **A03**/MF **A01**

LEHMAN-MCKEEMAN, L. D.
Role of Metallothionein Induction and Altered Zinc Status in Maternally Mediated Developmental Toxicity: Comparison of the Effects of Urethane and Styrene in Rats.
PB92-124635/REB 92-01 PC **A03**/MF **A01**

LEHR, J. H.
Handbook of Suggested Practices for the Design and Installation of Ground-Water Monitoring Wells (Revised).
PB92-216886/REB 92-04 PC **A11**/MF **A03**

LEIBOWITZ, S. G.
Wetlands Research Plan FY92-96: An Integrated Risk-Based Approach.
PB92-178946/REB 92-01 PC **A07**/MF **A02**

LEIFER, A.
Determination of Rates of Reaction in the Gas-Phase in the Troposphere. Theory and Practice. 3. Rate of Indirect Photoreaction.
PB92-150374/REB 92-01 PC **A11**/MF **A03**

Determination of Rates of Reaction in the Gas-Phase in the Troposphere. Theory and Practice. 4. Rate of Indirect Photoreaction.
PB92-150382/REB 92-01 PC **A05**/MF **A01**

LEIJ, F. J.
RETC Code for Quantifying the Hydraulic Functions of Unsaturated Soils. Documentation.
PB92-119668/REB 92-01 PC **A05**/MF **A01**

LEMIEUX, P. M.
Mutagenicity of Emissions from the Simulated Open Burning of Scrap Rubber Tires.
PB92-217009/REB 92-04 PC **A04**/MF **A01**

Novel Method of Reducing Transient Emissions from Rotary Kiln Incinerators through Modified Waste Packaging.
PB92-195932/REB 92-01 PC **A02**/MF **A01**

LEONARD, E. L.
Acid-Volatile Sulfide as a Factor Mediating Cadmium and Nickel Bioavailability in Contaminated Sediments.
PB92-124296/REB 92-01 PC **A03**/MF **A01**

LEONARD, R. A.
Field Testing Pesticide Transport Models at a Cooperative Test Site Near Plains, Georgia.
PB92-150473/REB 92-01 PC **A02**/MF **A01**

LEOVIC, K. W.
Case Study of Radon Diagnostics and Mitigation in a New York State School.
PB92-198571/REB 92-04 PC **A02**/MF **A01**

Costs of Radon Diagnostics and Mitigation in School Buildings.
PB92-198282/REB 92-04 PC **A03**/MF **A01**

Radon Prevention in the Design and Construction of Schools and other Large Buildings.
PB92-180298/REB 92-01 PC **A01**/MF **A01**

Sub-Slab Pressure Field Extension in Schools and Other Large Buildings.
PB92-121268/REB 92-01 PC **A03**/MF **A01**

LEROUX, B.
Results of the IPCS Collaborative Study on Complex Mixtures.
PB92-150721/REB 92-01 PC **A03**/MF **A01**

LEROUX, B. G.
Sources of Variation in the Mutagenic Potency of Complex Chemical Mixtures Based on the Salmonella/Microsome Assay.
PB92-150713/REB 92-01 PC **A03**/MF **A01**

LESNIK, B.
Interlaboratory Comparison of Thermospray and Particle Beam Liquid Chromatography/Mass Spectrometry Interfaces: Evaluation of a Chlorinated Phenoxy Acid Herbicide Liquid Chromatography/Mass Spectrometry Analysis Method.
PB92-124734/REB 92-01 PC **A02**/MF **A01**

LESTER, H.
Quality Assurance Project Plan for the National Pesticide Survey of Drinking Water Wells: Hydrogeologic Characterization and Second-Stage Stratification Activities.
PB92-168624/REB 92-04 PC **A08**/MF **A02**

Quality Assurance Project Plan for the National Survey of Pesticides in Drinking Water Wells: Well Sampling, Data Collection and Processing.
PB92-168632/REB 92-04 PC **A07**/MF **A02**

LETTENMAIER, D. P.
Hierarchical Stochastic Model of Large-Scale Atmospheric Circulation Patterns and Multiple Station Daily Precipitation.
PB92-217421/REB 92-04 PC **A03**

Land-Surface Hydrology Parameterization with Subgrid Variability for General Circulation Models.
PB92-217447/REB 92-04 PC **A03**/MF **A01**

LEUKROTH, R. W.
Carpet Policy Dialogue. Compendium Report, September 27, 1991.
PB92-115005/REB 92-01 PC **A99**/MF **A06**

LEVIANT, N.
Effects of Sampling Design Parameters on Block Selection.
PB92-180314/REB 92-01 PC **A02**/MF **A01**

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Estimating the Rate of Plasmid Transfer: An End-Point Method.
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LEVY, B.
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PB92-114552/REB 92-01 PC **A16**/MF **A03**

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PB92-121417/REB 92-01 PC **A03**/MF **A01**

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Apportionment of Residential Indoor Aerosol, VOC, and Aldehyde Species to Indoor and Outdoor Sources, and Their Source Strengths.
PB92-227370/REB 92-04 PC **A02**/MF **A01**

Characterization of the Wintertime Boise, Idaho, Air Shed: A Comprehensive Field Study Report for the U.S. EPA Office of Air Quality Planning and Standards.
PB92-136803/REB 92-01 PC **A04**/MF **A01**

Source Reconciliation of Ambient Volatile Organic Compounds Measured in the Atlanta 1990 Summer Study: The Mobile Source Component.
PB92-124130/REB 92-01 PC **A03**/MF **A01**

LEWIS, D. L.
Predicting Chemical Concentration Effects on Transformation Rates of Dissolved Organics by Complex Microbial Assemblages.
PB92-101393/REB 92-01 PC **A03**/MF **A01**

Quantitative Assessment of the Effects of Metals on Microbial Degradation of Organic Chemicals.
PB92-101385/REB 92-01 PC **A02**/MF **A01**

Treating Soil Solution Samplers to Prevent Microbial Removal of Analytes.
PB92-166610/REB 92-01 PC **A02**/MF **A01**

LEWIS, E. A.
Intercomparison of Sampling Techniques for Nicotine in Indoor Environments.
PB92-110402/REB 92-01 PC **A02**/MF **A01**

LEWIS, F. M.
Emissions of Metals, Chromium and Nickel Species, and Organics from Municipal Wastewater Sludge Incinerators. Volume 1. Summary Report.
PB92-151554/REB 92-01 PC **A04**/MF **A01**

Emissions of Metals, Chromium and Nickel Species, and Organics from Municipal Wastewater Sludge Incinerators. Volume 8. Site 9 Emission Test Report.
PB92-151620/REB 92-01 PC **A08**/MF **A02**

Emissions of Metals, Chromium and Nickel Species, and Organics from Municipal Wastewater Sludge Incinerators. Volume 9. Site 9 Emission Test Report - Appendices.
PB92-151638/REB 92-01 PC **A99**/MF **A06**

Total Hydrocarbon Emission Testing of Wastewater Sludge Incinerators. Volume 1.
PB92-197086/REB 92-04 PC **A05**/MF **A01**

Total Hydrocarbon Emission Testing of Wastewater Sludge Incinerators. Volume 2. Appendices.
PB92-197094/REB 92-04 PC **A16**/MF **A03**

LEWIS, N. M.
Applicability of UV/Oxidation Technologies to Treat Contaminated Groundwater.
PB92-126853/REB 92-01 PC **A03**/MF **A01**

Development of Emerging Technologies within the SITE Program.
PB92-217322/REB 92-04 PC **A03**/MF **A01**

U.S. Environmental Protection Agency's SITE Emerging Technology Program: 1991 Update.
PB92-150663/REB 92-01 PC **A02**/MF **A01**

LEWIS, R. G.
Evaluation of a Sampling and Analysis Method for Determination of Polyhalogenated Dibenzo-p-Dioxins and Dibenzofurans in Ambient Air.
PB92-129600/REB 92-01 PC **A02**/MF **A01**

Phase Distributions of Airborne Polycyclic Aromatic Hydrocarbons in Two U.S. Cities.
PB92-164979/REB 92-01 PC **A03**/MF **A01**

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PB92-150697/REB 92-01 PC **A02**/MF **A01**

Improvement in the Diagnostic Potential of (32)P-Postlabeling Analysis Demonstrated by the Selective Formation and Comparative Analysis of Nitrated-PAH-Derived Adducts Arising from Diesel Particle Extracts.
PB92-110485/REB 92-01 PC **A02**/MF **A01**

Interspecies Sensitivity to Chemical Carcinogens: Relationships between Mouse Skin Tumors and Human Lung Cancer.
PB92-158674/REB 92-01 PC **A03**/MF **A01**

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PB92-150689/REB 92-01 PC **A03**/MF **A01**

Standard Reference Materials for Chemical and Biological Studies of Complex Environmental Samples.
PB92-150705/REB 92-01 PC **A03**/MF **A01**

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PB92-179829/REB 92-01 PC **A03**/MF **A01**

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Industrial Pollution Prevention Opportunities for the 1990s.
PB91-220376/REB 92-01 PC **A04**/MF **A01**

Waste Reduction Technology Evaluations of the U.S. EPA WRITE Program.
PB92-108133/REB 92-01 PC **A02**/MF **A01**

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Application of Dye-Tracing Techniques for Determining Solute-Transport Characteristics of Ground Water in Karst Terranes.
PB92-231356/REB 92-04 PC **A06**/MF **A02**

LIEBERT, C.
Relationships of Hg(II) Volatilization from a Freshwater Pond to the Abundance of 'mer' Genes in the Gene Pool of the Indigenous Microbial Community.
PB92-129675/REB 92-01 PC **A03**/MF **A01**

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PB92-129667/REB 92-01 PC **A03**/MF **A01**

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Exposure Assessment Modeling for Hydrocarbon Spills into the Subsurface: Sensitivity to Soil Properties.
PB92-191147/REB 92-01 PC **A03**/MF **A01**

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Direct/Delayed Response Project: Future Effects of Long-Term Sulfur Deposition on Stream Chemistry in the Mid-Appalachian Region of the Eastern United States.
PB92-232370/REB 92-04 PC **A18**/MF **A04**

LIGHTHART, B.
Interim Protocol for the Evaluation of Survival of Genetically Engineered Microorganisms by Simulating the Aerial Environment Using a Freeze-Drying Procedure.
PB92-217470/REB 92-04 PC **A03**/MF **A01**

Protocol for Testing the Effects of Fungal Pesticides on Nontarget Beetles Using 'Hippodamia convergens' (Coleoptera: Coccinellidae).
PB92-217488/REB 92-04 PC **A03**/MF **A01**

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PB92-227560/REB 92-04 PC **A01**/MF **A01**

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PB92-220656/REB 92-04 PC **A08**/MF **A02**

LOO, J. F.
Advanced Emission Speciation Methodologies for the Auto/Oil Air Quality Improvement Research Program. 1. Hydrocarbons and Ethers.
PB92-166784/REB 92-01 PC **A03**/MF **A01**

Advanced Emissions Speciation Methodologies for the Auto/Oil Air Quality Improvement Research Program. 2. Aldehydes, Ketones, and Alcohols.
PB92-206523/REB 92-04 PC **A03**/MF **A01**

LOOBY, G. P.
Waste Minimization Assessment for a Dairy.
PB92-217264/REB 92-04 PC **A01**/MF **A01**

Waste Minimization Assessment for a Manufacturer of Aluminum Extrusions.
PB92-192137/REB 92-01 PC **A02**/MF **A01**

Waste Minimization Assessment for a Manufacturer of Automotive Air Conditioning Condensers and Evaporators.
PB92-188739/REB 92-01 PC **A02**/MF **A01**

Waste Minimization Assessment for a Manufacturer of Can-Manufacturing Equipment.
PB92-196385/REB 92-04 PC **A01**/MF **A01**

Waste Minimization Assessment for a Manufacturer of Chemicals.
PB92-203595/REB 92-01 PC **A02**/MF **A01**

Waste Minimization Assessment for a Manufacturer of Commercial Ice Machines and Ice Storage Bins.
PB92-196351/REB 92-01 PC **A02**/MF **A01**

Waste Minimization Assessment for a Manufacturer of Components for Automobile Air Conditioners.
PB92-217272/REB 92-04 PC **A01**/MF **A01**

Waste Minimization Assessment for a Manufacturer of Metal Bands, Clamps, Retainers, and Tooling.
PB92-188747/REB 92-01 PC **A02**/MF **A01**

Waste Minimization Assessment for a Manufacturer of Metal-Plated Display Racks.
PB92-189703/REB 92-01 PC **A02**/MF **A01**

Waste Minimization Assessment for a Manufacturer of Military Furniture.
PB92-217256/REB 92-04 PC **A01**/MF **A01**

Waste Minimization Assessment for a Manufacturer of Motor Vehicle Exterior Mirrors.
PB92-192806/REB 92-01 PC **A01**/MF **A01**

Waste Minimization Assessment for a Manufacturer of Permanent-Magnet DC Electric Motors.
PB92-196369/REB 92-04 PC **A02**/MF **A01**

Waste Minimization Assessment for a Manufacturer of Prototype Printed Circuit Boards.
PB92-104355/REB 92-01 PC **A01**/MF **A01**

Waste Minimization Assessment for a Manufacturer of Refurbished Railcar Bearing Assemblies.
PB92-104348/REB 92-01 PC **A01**/MF **A01**

Waste Minimization Assessment for a Manufacturer of Sheet Metal Cabinets and Precision Metal Parts.
PB92-196377/REB 92-04 PC **A02**/MF **A01**

Waste Minimization Assessment for a Printed Circuit Board Manufacturer.
PB92-196344/REB 92-04 PC **A02**/MF **A01**

Waste Minimization Assessment for an Aluminum Extrusions Manufacturer.
PB92-196393/REB 92-04 PC **A02**/MF **A01**

LORBER, M.
Methodology for Assessing Environmental Releases of and Exposure to Municipal Solid Waste Combustor Residuals.
PB92-109149/REB 92-01 PC **A07**/MF **A02**

LORD, A. E.
Ductile-to-Brittle Transition Time in Polyethylene Geomembrane Sheet.
PB92-153758/REB 92-01 PC **A02**/MF **A01**

Stress Crack Testing of Polyethylene Geomembranes.
PB92-217132/REB 92-04 PC **A03**/MF **A01**

LOUX, N. T.
Carbonate Equilibria and Groundwater Sample Collection: Implications for Estimated Average Subsurface Properties in Continental North America.
PB92-101690/REB 92-01 PC **A03**/MF **A01**

LOVETT, M. B.
Determination of alpha-emitting nuclides of plutonium, americium and curium in environmental materials: Pt. 1. Sea water.
DE92614732/REB 92-01 PC **A03**/MF **A01**

LOWENSTINE, L. J.
Chemical Contamination of Harbor Seal Pups in Puget Sound. Puget Sound Estuary Program.
PB92-132778/REB 92-01 PC **A06**/MF **A02**

LOWRY, R. R.
Nutritional Value of 'Artemia' and 'Tigriopus californicus' (Baker) for Two Pacific Mysid Species, 'Metamysidopsis elongata' (Holmes) and 'Mysidopsis intii' (Holmquist).
PB92-108000/REB 92-01 PC **A03**/MF **A01**

LUEBKE, R. W.
Assessment of Host Resistance to Infection with Rodent Malaria.
PB92-232784/REB 92-04 PC **A03**/MF **A01**

Assessment of Immunotoxicity with the Parasitic Infection Model 'Trichinella spiralis'.
PB92-232800/REB 92-04 PC **A03**/MF **A01**

Comparative Immunosuppression of Various Glycol Ethers Orally Administered to Fisher 344 Rats.
PB92-195833/REB 92-01 PC **A02**/MF **A01**

Differences between Rats and Mice in the Immunosuppressive Activity of 2-Methoxyethanol and 2-Methoxyacetic Acid.
PB92-232974/REB 92-04 PC **A03**/MF **A01**

Evaluation of the Immunotoxicity of Orally Administered 2-Methoxyacetic Acid in Fischer 344 Rats.
PB92-124601/REB 92-01 PC **A03**/MF **A01**

Host Resistance to Murine Malaria in Mice Exposed to the Adenosine Deaminase Inhibitor, 2'-Deoxycoformycin.
PB92-150812/REB 92-01 PC **A03**/MF **A01**

Host Resistance to 'Trichinella spiralis' Infection in Rats and Mice: Species-Dependent Effects of Cyclophosphamide Exposure.
PB92-233006/REB 92-04 PC **A03**/MF **A01**

LUSSIER, S. M.
Life History and Toxicological Comparisons of Temperate and Subtropical Mysids.
PB92-124304/REB 92-01 PC **A03**/MF **A01**

LUSTER, M. I.
Effects of PCB (Aroclor (Trade Name) 1254) on Non-Specific Immune Parameters in Rhesus ('Macaca mulatta') Monkeys.
PB92-232867/REB 92-04 PC **A03**/MF **A01**

LUTES, C. C.
Full-Scale Laboratory Simulation Facility to Test Particulate and Organic Emissions from a Third World Residential Combustion Process. III Evaluation of a Potential Technique for the Control of Emissions from the Indoor, Open Hearth Combustion of Coal.
PB92-206499/REB 92-04 PC **A03**/MF **A01**

LYKINS, B. W.
Drinking Water from Agriculturally Contaminated Groundwater.
PB92-195874/REB 92-01 PC **A03**/MF **A01**

Field Studies for Control of Organics and Disinfection By-Products.
PB92-124205/REB 92-01 PC **A03**/MF **A01**

Safe Drinking Water from Small Systems: Treatment Options.
PB92-198605/REB 92-04 PC **A02**/MF **A01**

Use of Pilot Columns for Predicting Full-Scale GAC Performance.
PB92-179159/REB 92-01 PC **A03**/MF **A01**

LYMAN, W. J.
Assessing UST Corrective Action Technology: A Scientific Evaluation of the Mobility of Organic Contaminants in Subsurface Environments.
PB92-114552/REB 92-01 PC **A16**/MF **A03**

LYN, T. L.
Reduction of Disinfection By-Product Precursors by Nanofiltration.
PB92-149269/REB 92-01 PC **E99**/MF **A06**

LYNCH, S. K.
Crosswalk/Air Toxic Emission Factor Data Base Management System User's Manual, Version 1.2.
PB92-145556/REB 92-01 PC **A11**/MF **A03**

QAQPS Control Cost Manual (Fourth Edition). Supplement 1.
PB92-137181/REB 92-01 PC **A05**/MF **A01**

Volatile Organic Compound (VOC) and Particulate Matter (PM) Speciation Data System User's Manual, Version 1.4.
PB92-105527/REB 92-01 PC **A04**/MF **A01**

LYTLE, D. A.
Application of Modified Aluminon and GFAAS Methods to Beryllium Determination in Drinking Water.
PB92-180199/REB 92-01 PC **A02**/MF **A01**

MACALADY, D. L.
New Perspectives in Aquatic Redox Chemistry: Abiotic Transformations of Pollutants in Groundwater and Sediments.
PB92-166628/REB 92-01 PC **A03**/MF **A01**

MACDONALD, L. H.
Monitoring Guidelines to Evaluate Effects of Forestry Activities on Streams in the Pacific Northwest and Alaska.
PB92-104520/REB 92-01 PC **A09**/MF **A02**

MACK, C. M.
Examination of the Anticonvulsant Properties of Voltage-Sensitive Calcium Channel Inhibitors in Amygdala Kindled Seizures.
PB92-166776/REB 92-01 PC **A02**/MF **A01**

MACK, G. A.
Polycyclic Aromatic Hydrocarbons and Their Derivatives in Indoor and Outdoor Air in an Eight-Home Study.
PB92-166701/REB 92-01 PC **A03**/MF **A01**

MACPHAIL, R. C.
Comparison of Subchronic Neurotoxicity of 2-Hydroxyethyl Acrylate and Acrylamide in Rats.
PB92-188945/REB 92-01 PC **A03**/MF **A01**

Discriminative Stimulus Properties of Triadimefon: Comparison with Methylphenidate.
PB92-143882/REB 92-01 PC **A02**/MF **A01**

Effects of Triadimefon on a Multiple Schedule of Fixed-Interval Performance: Comparison with Methylphenidate, d-Amphetamine and Chlorpromazine.
PB92-143932/REB 92-01 PC **A02**/MF **A01**

Principles of Identifying and Characterizing Neurotoxicity.
PB92-209303/REB 92-04 PC **A02**/MF **A01**

MADANI, M.
Florida Radon Research Program: Technical Support for the Development of Radon Resistant Construction Standards.
PB92-108109/REB 92-01 PC **A03**/MF **A01**

MADDEN, M. C.
Differences in Arachidonic Acid Metabolism by Human Myelomonocytic Cell Lines.
PB92-217215/REB 92-04 PC **A02**

Modulation of Human Alveolar Macrophage Properties by Ozone Exposure In vitro.
PB92-113281/REB 92-01 PC **A03**/MF **A01**

Response of a Human Bronchial Epithelial Cell Line to Histamine: Intracellular Calcium Changes and Extracellular Release of Inflammatory Mediators.
PB92-209329/REB 92-04 PC **A03**/MF **A01**

MAERKER, M.
Toxicity Reduction Evaluation: Case Histories at High Point and Fayetteville, North Carolina.
PB92-222231/REB 92-04 PC **A08**/MF **A02**

MAGINN, J. C.
Waste Minimization Assessment for a Manufacturer of Metal-Cutting Wheels and Components.
PB92-192145/REB 92-01 PC **A02**/MF **A01**

Waste Minimization Assessment for a Manufacturer of Printed Labels.
PB92-104371/REB 92-01 PC **A02**/MF **A01**

Waste Minimization Assessment for a Manufacturer of Speed Reduction Equipment.
PB92-104363/REB 92-01 PC **A01**/MF **A01**

Waste Minimization Assessment for a Manufacturer of Water Analysis Instrumentation.
PB92-217280/REB 92-04 PC **A01**/MF **A01**

Waste Minimization Assessment for a Manufacturer Producing Galvanized Steel Parts.
PB92-189695/REB 92-01 PC **A02**/MF **A01**

Waste Minimization Assessment for a Manufacturer Producing Treated Wood Products.
PB92-196401/REB 92-04 PC **A01**/MF **A01**

MAHAFFEY, W. R.
Removal of Creosote from Soil by Bioslurry Reactors.
PB92-227339/REB 92-04 PC **A03**/MF **A01**

MAHBUBANI, M. H.
Differentiation of 'Giardia duodenalis' from Other 'Giardia spp.' by Using Polymerase Chain Reaction and Gene Probes.
PB92-150531/REB 92-01 PC **A02**/MF **A01**

MAKRIS, N. G.
Consideration of Pharmacokinetics and Temporal Sensitivity for Hydroxyurea in Relation to Teratogenic Potential.
PB92-136910/REB 92-01 PC **A03**/MF **A01**

MALCOLM, A. R.
Interactive Effects of Aldrin, Cyclohexylamine, 2,4-Diaminotoluene and Two Phorbol Esters on Metabolic Cooperation between V79 Cells.
PB92-108026/REB 92-01 PC **A02**/MF **A01**

MALES, R. M.
Expert Systems Show Promise for Customer Inquiries. Management and Operations.
PB92-166636/REB 92-01 PC **A02**/MF **A01**

MALIK, A. S.
Air/Superfund National Technical Guidance Study Series: Estimation of Air Impacts for Soil Vapor Extraction (SVE) Systems.
PB92-143676/REB 92-01 PC **A03**/MF **A01**

MAMANE, Y.
Chemical and Physical Properties of Emissions from Kuwait Oil Fires.
PB92-206481/REB 92-04 PC **A03**/MF **A01**

MANEGDEG, F.
Greenhouse Gases from Small-Scale Combustion in Developing Countries: A Pilot Study in Manila.
PB92-139369/REB 92-01 PC **A04**/MF **A01**

MANGINO, J. M.
Quality Review Guidelines for 1990 Base Year Emission Inventories.
PB92-224435/REB 92-04 PC **A12**/MF **A03**

MANN, C. O.
Design, Development, and Implementation of AIRS' Area and Mobile Source Subsystem.
PB92-124213/REB 92-01 PC **A03**/MF **A01**

MANN, C. S.
Air/Superfund National Technical Guidance Study Series. Guideline for Predictive Baseline Emissions Estimation Procedures for Superfund Sites.
PB92-171909/REB 92-01 PC **A03**/MF **A01**

MANTIPLY, E.
Electric and Magnetic Fields Near AM Broadcast Towers.
PB92-101427/REB 92-01 PC **A05**/MF **A01**

MANTON, K. G.
Assessment of Spatial Variation of Risks in Small Populations.
PB92-188903/REB 92-01 PC **A03**/MF **A01**

MARBURY, D.
Ozonation Byproducts: Identification of Bromohydrins from the Ozonation Natural Waters with Enhanced Bromide Levels.
PB92-232958/REB 92-04 PC **A02**/MF **A01**

MARESCA, J. W.
Acoustic Location of Leaks in Pressurized Underground Petroleum Pipelines.
PB92-207687/REB 92-04 PC **A04**/MF **A01**

Study to Determine the Feasibility of Using a Ground-Penetrating Radar for More Effective Remediation of Subsurface Contamination.
PB92-169382/REB 92-04 PC **A06**/MF **A02**

Volumetric Leak Detection in Large Underground Storage Tanks. Volume 1.
PB92-114966/REB 92-01 PC **A05**/MF **A01**

Volumetric Leak Detection in Large Underground Storage Tanks. Volume 2. Appendices A through E.
PB92-114974/REB 92-01 PC **A05**/MF **A01**

MARKEY, J.
Conceptual Design Issues: Developing a New Highway Vehicle Emissions Estimation Methodology.
PB92-139450/REB 92-01 PC **A02**/MF **A01**

MARLOW, H. J.
Microbial Transport through Porpus Media: The Effects of Hydraulic Conductivity and Injection Velocity.
PB92-150465/REB 92-01 PC **A03**/MF **A01**

MARPLE, V. A.
High-Volume Impactor for Sampling Fine and Coarse Particles.
PB92-166727/REB 92-01 PC **A02**/MF **A01**

MARSDEN, P.
Chemical Oil Spill Dispersants: Evaluation of Three Laboratory Procedures for Estimating Performance.
PB92-222041/REB 92-04 PC **A09**/MF **A03**

MARSHALL, K.
Workshop Proceedings: The Role of Created and Natural Wetlands in Controlling Nonpoint Source Pollution. Held in Arlington, Virginia on June 10-11, 1991.
PB92-113463/REB 92-01 PC **A13**/MF **A03**

MARSHALL, M. C.
Exposure and Release Estimations for Filter Press and Tray Dryer Operations Based on Pilot Plant Data.
PB92-158450/REB 92-01 PC **A14**/MF **A03**

MARSOSUDIRO, P.
Liquid and Gaseous Fuel Distribution System.
PB92-115203/REB 92-01 PC **A03**/MF **A01**

MARSOSUDIRO, P. J.
Alternative Control Techniques Document: For PM-10 Emissions from Ferrous Foundries.
PB92-180017/REB 92-01 PC **A07**/MF **A02**

Control of VOC Emissions from Ink and Paint Manufacturing Processes.
PB92-190230/REB 92-01 PC **A09**/MF **A02**

MARTIN, G. B.
Development of a Core Combustion Research Program Plan for EPA.
PB92-180868/REB 92-01 PC **A03**/MF **A01**

MARTIN, J. F.
Demonstration of Microfiltration Technology.
PB92-136936/REB 92-01 PC **A02**/MF **A01**

Demonstration of Waste Treatment Technologies.
PB92-179670/REB 92-01 PC **A02**/MF **A01**

Technology Evaluation Report: SITE Program Demonstration of the DuPont/Oberlin Microfiltration Technology.
PB92-153410/REB 92-01 PC **A06**/MF **A02**

MARTIN, J. L.
Application of a Water Quality Assessment Modeling System at a Superfund Site.
PB92-164490/REB 92-01 PC **A05**/MF **A01**

Modeling Studies for Planning: The Green Bay Project.
PB92-136944/REB 92-01 PC **A02**/MF **A01**

Technical Guidance Manual for Performing Waste Load Allocations. Book 3: Estuaries. Part 1: Estuaries and Waste Load Allocation Models.
PB92-231729/REB 92-04 PC **A05**/MF **A01**

Technical Guidance Manual for Performing Waste Load Allocations. Book 3: Estuaries. Part 3: Use of Mixing Zone Models in Estuarine Waste Load Allocations.
PB92-231745/REB 92-04 PC **A03**/MF **A01**

Temperature and Conductivity Modeling for the Buffalo River.
PB92-206226/REB 92-04 PC **A03**/MF **A01**

MARTINEZ, K. F.
Evaluation of Alternative Samplers for Bioaerosols. Phase 1. Physical Sampling Efficiency.
PB92-161918/REB 92-01 PC **A04**/MF **A01**

MARTONEN, T. B.
Carcinogenic Risk of Non-Uniform Alpha Particle Irradiation in the Lungs: Radon Progeny Effects at Bronchial Bifurcations.
PB92-227545/REB 92-04 PC **A02**/MF **A01**

Deposition Patterns of Cigarette Smoke in Human Airways.
PB92-158682/REB 92-01 PC **A03**/MF **A01**

Deposition Patterns of Ragweed Pollen in the Human Respiratory Tract.
PB92-227537/REB 92-04 PC **A02**/MF **A01**

Dosimetry of Localized Accumulations of Cigarette Smoke and Radon Progeny at Bifurcations.
PB92-164847/REB 92-01 PC **A03**/MF **A01**

MASON, R. P.
Application of the EPR Spin-Trapping Technique to the Detection of Radicals Produced in vivo during Inhalation Exposure of Rats to Ozone.
PB92-227412/REB 92-04 PC **A02**/MF **A01**

MASS, M. J.
Carcinogens and Human Health: Part 3. Letter to the Editor.
PB92-164870/REB 92-01 PC **A01**/MF **A01**

Health Effects of Arsenic in Drinking Water.
PB92-110360/REB 92-01 PC **A03**/MF **A01**

Human Bronchial Epithelial Cell Strain with Unusual In vitro Growth Potential Which Undergoes Neoplastic Transformation after SV40 T Antigen Gene Transfection.
PB92-206358/REB 92-04 PC **A03**/MF **A01**

Human Carcinogenesis by Arsenic.
PB92-227578/REB 92-04 PC **A02**/MF **A01**

MASSARO, E. J.
Limitations of the Fluorescent Probe Viability Assay.
PB92-113166/REB 92-01 PC **A03**/MF **A01**

Reversibility of Tributyltin-Induced Toxicity In vitro as a Function of Concentration and Duration of Exposure (C X T).
PB92-164854/REB 92-01 PC **A03**/MF **A01**

MATHUR, S. B.
Vapor Pressures, Liquid Molar Volumes, Vapor Non-Idealities, and Critical Properties of Some Fluorinated Ethers: CF3OCF2OCF3, CF3OCF2CF2H, c-CF2CF2CF2O, CF3OCF2H, and CF3OCH3; and of CCl3F and CF2ClH.
PB92-179746/REB 92-01 PC **A03**/MF **A01**

MATSUSHITA, H.
Overview, Conclusions, and Recommendations of the IPCS Collaborative Study on Complex Mixtures.
PB92-150689/REB 92-01 PC **A03**/MF **A01**

MATTHEWS, E.
Changes in the Physiological Performance and Energy Metabolism of an Estuarine Mysid 'Mysidopsis bahia' Exposed in the Laboratory through a Complete Life Cycle to the Defoliant DEF.
PB92-129709/REB 92-01 PC **A03**/MF **A01**

MATTHEWS, J. E.
TCE Removal from Contaminated Soil and Ground Water. Ground Water Issue.
PB92-224104/REB 92-04 PC **A03**/MF **A01**

MATTHIES, M.
Modellierung und Simulation des Verhaltens von Umweltchemikalien in Boeden und Pflanzen (Modeling and Simulation of the Effect of (Environmental) Chemicals in Soil and in Plants).
PB92-143825/REB 92-01 PC **A02**/MF **A01**

MATTSON, V. R.
Acid-Volatile Sulfide as a Factor Mediating Cadmium and Nickel Bioavailability in Contaminated Sediments.
PB92-124296/REB 92-01 PC **A03**/MF **A01**

MATYAC, C.
Physical and Chemical Control of Released Microorganisms at Field Sites.
PB92-153360/REB 92-01 PC **A02**/MF **A01**

MAVINKURVE, S.
Technique for Screening and Maintaining Smaller Genomic Libraries.
PB92-195726/REB 92-04 PC **A02**/MF **A01**

MAXWELL, C.
Regional Oxidant Model (ROM) User's Guide. Part 4: The ROM System User Tutorial (Processor Network and Core Model).
PB92-120872/REB 92-01 PC **A10**/MF **A03**

User's Guide for the Urban Airshed Model. Volume 6. User's Manual for the Postprocessing System.
PB92-145382/REB 92-01 PC **A06**/MF **A02**

MAXWELL, M. A.
Current Status of ADVACATE Process for Flue Gas Desulfurization (Journal Article).
PB92-150622/REB 92-01 PC **A02**/MF **A01**

MAY, R.
Asia Pacific Cleaner Production Conference: Cooperative Approaches in Minimising Hazardous Wastes. Held in Melbourne, Australia on February 24-27, 1992.
PB92-180173/REB 92-01 PC **A02**/MF **A01**

MAY, W. E.
Standard Reference Materials for Chemical and Biological Studies of Complex Environmental Samples.
PB92-150705/REB 92-01 PC **A03**/MF **A01**

MAYER, F. L.
Statistical Approach to Predicting Chronic Toxicity of Chemicals to Fishes from Acute Toxicity Test Data. Data Tape Documentation.
PB92-169655/REB 92-04 PC **A06**/MF **A02**

MAYES, M. E.
Vertebrate Toxicology of the Solubilized Parasporal Crystalline Proteins of 'Bacillus thuringiensis' Subsp. 'israelensis'.
PB92-150507/REB 92-01 PC **A03**/MF **A01**

MCALLISTER, R. A.
Evaluation of VOST and SemiVOST Methods for Halogenated Compounds in the Clean Air Act Amendments Title III, Bench and Laboratory Studies.
PB92-178979/REB 92-01 PC **A03**/MF **A01**

MCCARTHY, W. N.
Co-Existing with Asbestos: A Look at the Engineering Research Program of the U.S. Environmental Protection Agency.
PB92-139419/REB 92-01 PC **A03**/MF **A01**

MCCARTY, P. L.
Methodologies for Evaluating In situ Bioremediation of Chlorinated Solvents.
PB92-146943/REB 92-01 PC **A05**/MF **A02**

MCCLENNY, W. A.
Canister-Based Method for Monitoring Toxic VOCs in Ambient Air.
PB92-206432/REB 92-04 PC **A03**/MF **A01**

Long-Path FTIR Measurements of Volatile Organic Compounds in an Industrial Setting (July 1989-April 1991).
PB92-206424/REB 92-04 PC **A02**/MF **A01**

Superfund Innovative Technology Evaluation: The Delaware SITE Study, 1989.
PB92-125749/REB 92-01 PC **A08**/MF **A02**

MCCLURE, P. C.
Possible Approaches to Establishing Interlaboratory Comparability of Measurements of Polychlorinated Biphenyls in Human Serum.
PB92-144062/REB 92-01 PC **A02**/MF **A01**

MCCLURE, P. M.
Selection of a Base Serum for the Preparation of Quality Control Pools Containing Environment Analytes.
PB92-153840/REB 92-01 PC **A03**/MF **A01**

MCCORMICK, J. H.
Osmoregulatory Failure and Death of First-Year Largemouth Bass 'Micropterus salmoides' Exposed to Low pH and Elevated Aluminum, at Low Temperatures in Soft Water.
PB92-205236/REB 92-04 PC **A03**/MF **A01**

MCCRILLIS, R. C.
Analysis of Emissions from Residential Oil Furnaces.
PB92-195981/REB 92-01 PC **A03**/MF **A01**

Analysis of Emissions from Residential Oil Furnaces and Comparison with Woodstove Emissions.
PB92-195924/REB 92-01 PC **A03**/MF **A01**

Characterization of Condensible and Semivolatile Organic Materials from Boise Woodstove Samples.
PB92-206606/REB 92-04 PC **A03**/MF **A01**

Effects of Operating Variables on PAH Emissions and Mutagenicity of Emissions from Woodstoves (Journal Article).
PB92-195809/REB 92-01 PC **A02**/MF **A01**

Field Performance of Woodburning Stoves in Crested Butte, Colorado.
PB92-113133/REB 92-01 PC **A03**/MF **A01**

Residential Wood Combustion: Issues and Emission Estimation Techniques.
PB92-139435/REB 92-01 PC **A03**/MF **A01**

VOC Prevention Options for Surface Coating.
PB92-198266/REB 92-04 PC **A03**/MF **A01**

MCCURDY, T. M.
Review of the National Ambient Air Quality Standards for Ozone Assessment of Scientific and Technical Information. OAQPS Staff Paper.
PB92-190446/REB 92-01 PC **A17**/MF **A03**

MCCUTCHEON, J. R.
Development of Seasonal and Annual Biogenic Emissions Inventories for the U.S. and Canada.
PB92-126796/REB 92-01 PC **A07**/MF **A02**

MCCUTCHEON, S. C.
Modeling Studies for Planning: The Green Bay Project.
PB92-136944/REB 92-01 PC **A02**/MF **A01**

MCDANIEL, D. D.
Evaluation of a Sampling and Analysis Method for Determination of Polyhalogenated Dibenzo-p-Dioxins and Dibenzofurans in Ambient Air.
PB92-129600/REB 92-01 PC **A02**/MF **A01**

MCDANIEL, V. K.
Predicting Chemical Reactivity by Computer.
PB92-124312/REB 92-01 PC **A03**/MF **A01**

MCDONALD, V. J.
Ecological Indicators. Proceedings of an International Symposium. Held in Fort Lauderdale, Florida on October 16-19, 1990.
PB92-114131/REB 92-01 PC **A99**/MF **E99**

National Air Toxics Information Clearinghouse: Bibliography of Selected Reports and Federal Register Notices Related to Air Toxics. Index, 1991.
PB92-111913/REB 92-01 PC **A21**/MF **A04**

National Air Toxics Information Clearinghouse: Bibliography of Selected Reports and Federal Register Notices Related to Air Toxics. Volume 5. Citations, 1991.
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Ecological Indicators. Proceedings of an International Symposium. Held in Fort Lauderdale, Florida on October 16-19, 1990.
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OVERTON, W. S.
Cartographic and Geometric Components of a Global Sampling Design for Environmental Monitoring.
PB92-217397/REB 92-04 PC **A03**/MF **A01**

Environmental Monitoring and Assessment Program (EMAP) Design Report.
PB92-103449/REB 92-01 PC **A04**/MF **A01**

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PB92-180264/REB 92-01 PC **A02**/MF **A01**

Probability Sampling and Population Inference in Monitoring Programs.
PB92-180272/REB 92-01 PC **A03**/MF **A01**

OWEN, C. A.
National Air Toxics Information Clearinghouse: Bibliography of Selected Reports and Federal Register Notices Related to Air Toxics. Index, 1991.
PB92-111913/REB 92-01 PC **A21**/MF **A04**

National Air Toxics Information Clearinghouse: Bibliography of Selected Reports and Federal Register Notices Related to Air Toxics. Volume 5. Citations, 1991.
PB92-111830/REB 92-01 PC **A10**/MF **A03**

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Evaluation of Selected Lipid Methods for Normalizing Pollutant Bioaccumulation.
PB92-124379/REB 92-01 PC **A02**/MF **A01**

PACE, C. M.
Measurement of Polycyclic Aromatic Hydrocarbons in Soils and Sediments by Particle-Beam/High-Performance Liquid *Chromatography/Mass Spectrometry.*
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PACEY, J.
Landfill Gas Energy Utilization: Technology Options and Case Studies.
PB92-203116/REB 92-04 PC **A09**/MF **A02**

PADGETT, W.
Synthesis of a Novel Fluorinated Benzo(a)pyrene: 4,5-Difluorobenzo(a)pyrene.
PB92-110493/REB 92-01 PC **A02**/MF **A01**

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PB92-232990/REB 92-04 PC **A03**/MF **A01**

Subchronic Toxicity Study of Ozonated and Ozonated/Chlorinated Humic Acids in Sprague-Dawley Rats: A Model System for Drinking Water Disinfection.
PB92-164946/REB 92-01 PC **A02**/MF **A01**

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Modifications to Reduce Drag Out at a Printed Circuit Board Manufacturer.
PB92-198555/REB 92-04 PC **A03**/MF **A01**

PAHL, D.
Clean Air Act Requirements for Trace Metals Information.
PB92-164995/REB 92-01 PC **A02**/MF **A01**

PAHREN, H. R.
Hydraulic Fracturing to Improve Nutrient and Oxygen Delivery for In situ Bioreclamation.
PB92-121334/REB 92-01 PC **A03**/MF **A01**

PALLARDY, M.
New Methods for the Assessment of Immunotoxicity of Chemical Substances.
PB92-232859/REB 92-04 PC **A02**/MF **A01**

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Chemical Enhancements to Pump-and-Treat Remediation. Ground Water Issue.
PB92-180074/REB 92-01 PC **A03**/MF **A01**

PALMER, C. J.
Direct/Delayed Response Project: Soil Characterization Comparison.
PB92-153428/REB 92-01 PC **A16**/MF **A03**

Monitoring and Research Strategy for Forests-Environmental Monitoring and Assessment Program.
PB92-146208/REB 92-01 PC **A09**/MF **A02**

PANDULLO, R. F.
QAQPS Control Cost Manual (Fourth Edition). Supplement 1.
PB92-137181/REB 92-01 PC **A05**/MF **A01**

PANNOCK, J.
Performance of Chlorine-Free Binary Zeotropic Refrigerant Mixtures in a Heat Pump.
PB92-149814/REB 92-01 PC **A05**/MF **A01**

PAPADIMAS, S. P.
GAC Adsorption of a Mixture of Natural Organic Matter and VOCs in the Presence and Absence of Molecular Oxygen.
PB92-153782/REB 92-01 PC **A03**/MF **A01**

PAPP, M.
Forest Health Monitoring Plot Design and Logistics Study.
PB92-118447/REB 92-01 PC **A06**/MF **A02**

PARADISO, A. M.
Response of a Human Bronchial Epithelial Cell Line to Histamine: Intracellular Calcium Changes and Extracellular Release of Inflammatory Mediators.
PB92-209329/REB 92-04 PC **A03**/MF **A01**

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Performance of Automated Ambient SO2 Analyzers with Respect to a Proposed 5-Minute Ambient Air Quality Standard.
PB92-192178/REB 92-01 PC **A03**/MF **A01**

PARKER, J. D.
HVAC Systems in the Current Stock of U.S. K-12 Schools.
PB92-218338/REB 92-04 PC **A04**/MF **A01**

PARODI, S.
Introduction and Summary. Genotoxicity and Carcinogenicity Databases: An Assessment of the Present Situation.
PB92-188986/REB 92-01 PC **A01**/MF **A01**

PARRICH, R. S.
Preliminary Results of a Pesticide Leaching Study at Plains, Georgia.
PB92-166354/REB 92-01 PC **A02**/MF **A01**

PARRISH, R. S.
Field Testing Pesticide Transport Models at a Cooperative Test Site Near Plains, Georgia.
PB92-150473/REB 92-01 PC **A02**/MF **A01**

PARTYMILLER, K.
Horsehead Resource Development Company, Inc. Flame Reactor Technology: Applications Analysis Report.
PB92-213214/REB 92-04 PC **A04**/MF **A01**

Technology Evaluation Report: SITE Program Demonstration Test Horsehead Resource Development Company, Inc., Flame Reactor Technology, Monaca, Pennsylvania.
PB92-205855/REB 92-04 PC **A07**/MF **A02**

PARTYMILLER, K. G.
EPA SITE Demonstration of the Horsehead Resource Development Company Flame Reactor Technology.
PB92-139401/REB 92-01 PC **A02**/MF **A01**

PATE, B. A.
Using a Flame Ionization Detector (FID) Continuously Measure Toxic Organic Vapors in a Paint Spray Booth.
PB92-198258/REB 92-01 PC **A03**/MF **A01**

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Radium Removal from Water by Manganese Dioxide Adsorption and Diatomaceous Earth Filtration.
PB92-115260/REB 92-01 PC **A05**/MF **A01**

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Airway Structure Variability in the Long-Evans Rat Lung.
PB92-124676/REB 92-01 PC **A02**/MF **A01**

PATTERSON, R. K.
Customer/Supplier Accountability and Quality Assurance (QA) Program Implementation.
PB92-191162/REB 92-01 PC **A02**/MF **A01**

Educating Managers about Quality through Customer-Supplier Understanding. *Overview of Current Training Initiatives* in Energy and Environmental Programs. Annual National Energy and Environmental Quality Division Conference (19th).
PB92-217116/REB 92-04 PC **A03**/MF **A01**

PAU, J. C.
Sampling and Analysis of PCDDs and PCDFs in Stationary Source Emission Air Samples.
PB92-166677/REB 92-01 PC **A02**/MF **A01**

Tedlar Bag Sampling System for Toxic Organic Compounds in Source Emission Sampling and Analysis.
PB92-166719/REB 92-01 PC **A01**/MF **A01**

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Distribution, Speciation, and Transformation of Chromium in Contaminated Soils and Aquifer Sediments.
PB92-179092/REB 92-01 PC **A02**/MF **A01**

Facilitated Transport of Inorganic Contaminants in Ground Water: Part 2. Colloidal Transport.
PB92-114503/REB 92-01 PC **A03**/MF **A01**

Metals in Ground Water: Sampling Artifacts and Reproducibility.
PB92-227479/REB 92-04 PC **A03**/MF **A01**

PAUL, J. F.
EPA's Environmental Monitoring and Assessment Program: An Ecological Status and Trends Program.
PB92-121169/REB 92-01 PC **A03**/MF **A01**

U.S. Environmental Protection Agency's Environmental Monitoring and Assessment Program: An Ecological Status and Trends Program.
PB92-121292/REB 92-01 PC **A02**/MF **A01**

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PB92-129618/REB 92-01 PC **A02**/MF **A01**

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PB92-108067/REB 92-01 PC **A03**/MF **A01**

PAYNE, J. R.
Chemical Oil Spill Dispersants: Update State-of-the-Art on Mechanisms of Action and Factors Influencing Performance with Emphasis on Laboratory Studies.
PB92-222207/REB 92-04 PC **A05**/MF **A01**

PECHAN, E. H.
Technical Support Document to Aid States with the Development of Carbon Monoxide State Implementation Plans.
PB92-233055/REB 92-04 PC **A04**/MF **A01**

PEDERSEN, T. A.
Soil Vapor Extraction Column Experiments on Gasoline Contaminated Soil.
PB92-226430/REB 92-04 PC **A05**/MF **A01**

PEDERSON, T. A.
Soil-Air Permeability Method Evaluation.
PB92-124239/REB 92-01 PC **A02**/MF **A01**

PEELER, J. W.
Technical Assistance Document: Performance Audit Procedures for Opacity Monitors.
PB92-192889/REB 92-01 PC **A12**/MF **A03**

PEER, R.
Analysis of Factors Affecting Methane Gas Recovery from Six Landfills.
PB92-101351/REB 92-01 PC **A13**/MF **A03**

PEER, R. L.
Development of an Empirical Model of Methane Emissions from Landfills.
PB92-152875/REB 92-01 PC **A06**/MF **A02**

PEIJNENBURG, W. J. G. M.
QSARs for Predicting Biotic and Abiotic Reductive Transformation Rate Constants of Halogenated Hydrocarbons in Anoxic Sediment Systems.
PB92-166792/REB 92-01 PC **A03**/MF **A01**

PELLETIER, J.
Computerized Risk and Bioaccumulation System (Version 1.0).
PB92-114164/REB 92-01 PC **A03**/MF **A01**

PENNER, J. E.
Tropospheric Nitrogen: The Influence of Anthropogenic Sources on Distribution and Deposition.
PB92-126937/REB 92-01 PC **A06**/MF **A02**

PERDEK, J. M.
Closure of a Dioxin Incineration Facility.
PB92-191170/REB 92-01 PC **A03**/MF **A01**

Field Demonstration of the Linde Oxygen Combustion System on the EPA Mobile Incinerator.
PB92-188838/REB 92-01 PC **A02**/MF **A01**

Superfund Soils Data Management System.
PB92-139476/REB 92-01 PC **A02**/MF **A01**

PERENICH, T. A.
Estimation of Water Solubility and Octanol/Water Partition Coefficient of Hydrophobic Dyes. Part 2. Reverse-Phase High Performance Liquid Chromatography.
PB92-124338/REB 92-01 PC **A02**/MF **A01**

Fate of Commercial Disperse Dyes in Sediments.
PB92-101401/REB 92-01 PC **A03**/MF **A01**

PEREZ, K. M.
Environmental Monitoring and Assessment Program: Surface Waters Implementation Plan - Northeast Pilot Lake Survey, Summer 1991.
PB92-139948/REB 92-01 PC **A05**/MF **A01**

PEREZ, K. T.
Influence of Size on Fate and Ecological Effects of Kepone in Physical Models.
PB92-121326/REB 92-01 PC **A03**/MF **A01**

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Discriminative Stimulus Properties of Triadimefon: Comparison with Methylphenidate.
PB92-143882/REB 92-01 PC **A02**/MF **A01**

PERLIN, M. H.
Differentiation of 'Giardia duodenalis' from Other 'Giardia spp.' by Using Polymerase Chain Reaction and Gene Probes.
PB92-150531/REB 92-01 PC **A02**/MF **A01**

PERREAULT, S. D.
Computer-Assisted Sperm Analysis of Rodent Epididymal Sperm Motility Using the Hamilton-Thorn Motility Analyzer.
PB92-165000/REB 92-01 PC **A03**/MF **A01**

Rat Sperm Motility Analysis: Methodologic Considerations.
PB92-124684/REB 92-01 PC **A03**/MF **A01**

Use of Bromoergocryptine in the Validation of Protocols for the Assessment of Mechanisms of Early Pregnancy Loss in the Rat.
PB92-124692/REB 92-01 PC **A03**/MF **A01**

Use of the Fungicide Carbendazim as a Model Compound to Determine the Impact of Acute Chemical Exposure during Oocyte Maturation and Fertilization on Pregnancy Outcome in the Hamster.
PB92-206416/REB 92-04 PC **A02**/MF **A01**

Utility of Light Scatter in the Morphological Analysis of Sperm.
PB92-150754/REB 92-01 PC **A03**/MF **A01**

PERSHING, D. W.
Fuel Rich Sulfur Capture in a Combustion Environment.
PB92-205228/REB 92-04 PC **A02**/MF **A01**

Near-Continuous Measurement of Hydrogen Sulfide and Carbonyl Sulfide by an Automatic Gas Chromatograph.
PB92-150598/REB 92-01 PC **A02**/MF **A01**

PESCH, C. E.
Effects of a Contaminated Sediment on Life History Traits and Population Growth Rate of 'Neanthes Arenaceodentata' (Polychaeta: Nereidae) in the Laboratory.
PB92-108059/REB 92-01 PC **A03**/MF **A01**

PESCH, G.
Genotoxic Effects of Complex Marine Sediment Extracts on V79 Chinese Hamster Lung Fibroblasts.
PB92-121318/REB 92-01 PC **A02**/MF **A01**

PETERSON, C. E.
Design Issues for Evaluating Seedling Exposure Studies.
PB92-153014/REB 92-01 PC **A02**/MF **A01**

PETERSON, D. L.
Summary, Projections, and Recommendations. (Chapter 13).
PB92-152990/REB 92-01 PC **A03**/MF **A01**

PETERSON, G. M.
Colchicine-Induced Deafferentation of the Hippocampus Selectively Disrupts Cholinergic Rhythmical Slow Wave Activity.
PB92-120476/REB 92-01 PC **A03**/MF **A01**

PETERSON, S. A.
Toxicological Assessment of Hazardous Wastes.
AD-P006 468/3/REB 92-01 PC **A03**/MF **A01**

Toxicological Implementations of Remediating Hazardous Wastes.
PB92-124171/REB 92-01 PC **A03**/MF **A01**

PETROVICK, M. K.
Carboxyhemoglobin and Brain Blood Flow in Humans.
PB92-227552/REB 92-04 PC **A02**/MF **A01**

PETTY, R. J.
Handbook of Suggested Practices for the Design and Installation of Ground-Water Monitoring Wells (Revised).
PB92-216886/REB 92-04 PC **A11**/MF **A03**

PETTYJOHN, W. A.
Regional Assessment of Aquifer Vulnerability and Sensitivity in the Conterminous United States.
PB92-100148/REB 92-01 PC **A15**/MF **A03**

PEUNENBURG, W. J. G. M.
QSARs for Predicting Reductive Transformation Rate Constants of Halogenated Aromatic Hydrocarbons in Anoxic Sediment Systems.
PB92-166800/REB 92-01 PC **A03**/MF **A01**

Reductive Transformations of Halogenated Aromatic Hydrocarbons in Anaerobic Water-Sediment Systems: Kinetics, Mechanisms and Products.
PB92-166818/REB 92-01 PC **A03**/MF **A01**

PFEFFER, F. M.
Landfill Leachate Effects on Sorption of Organic Micropollutants onto Aquifer Materials.
PB92-198597/REB 92-04 PC **A03**/MF **A01**

Landfill Leachate Effects on Transport of Organic Substances in Aquifer Materials (Chapter 16).
PB92-198225/REB 92-04 PC **A03**/MF **A01**

PFLEEGER, T.
Effects of Glean, a Sulfonylurea Herbicide, on the Reproductive Biology and Fruit Set in Cherry Trees. Progress Report to Region 10.
PB92-142652/REB 92-01 PC **A03**/MF **A01**

Two Different Approaches for Control and Measurement of Plant Functions in Closed Environmental Chambers.
PB92-108067/REB 92-01 PC **A03**/MF **A01**

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Climate Change and Isoprene Emissions from Vegetation.
PB92-153865/REB 92-01 PC **A03**/MF **A01**

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PB92-153881/REB 92-01 PC **A03**/MF **A01**

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PB92-153899/REB 92-01 PC **A03**/MF **A01**

Patch Size of Forest Openings and Arthropod Populations.
PB92-108158/REB 92-01 PC **A03**/MF **A01**

Possible Approaches to Establishing Interlaboratory Comparability of Measurements of Polychlorinated Biphenyls in Human Serum.
PB92-144062/REB 92-01 PC **A02**/MF **A01**

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Fetal and Maternal Effects of Continual Exposure of Rats to 970-MHz Circularly-Polarized Microwaves.
PB92-227602/REB 92-04 PC **A03**/MF **A01**

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Acid-Volatile Sulfide as a Factor Mediating Cadmium and Nickel Bioavailability in Contaminated Sediments.
PB92-124296/REB 92-01 PC **A03**/MF **A01**

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Specificity of Cellular DNA-Binding Sites of Microbial Populations in a Florida Reservoir.
PB92-129618/REB 92-01 PC **A02**/MF **A01**

PICKENS, C. V.
Neonatal Exposure to Trimethyltin Disrupts Spatial Delayed Alternation Learning in Preweanling Rats.
PB92-124718/REB 92-01 PC **A02**/MF **A01**

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IM240 Transient I/M Dynamometer Driving Schedule and the Composite I/M Test Procedure.
PB92-104405/REB 92-01 PC **A03**/MF **A01**

PIERCE, T. E.
Estimating Natural Emissions for EPA's Regional Oxidant Model.
PB92-129592/REB 92-01 PC **A03**/MF **A01**

PIERSON, T.
Indoor Air-Assessment: An Inventory of Indoor Air Quality Research in the United States: 1989-1990.
PB92-114545/REB 92-01 PC **A10**/MF **A03**

PILLI, A.
ASTER: An Integration of the ACQUIRE Data Base and the QSAR System for Use in Ecological Risk Assessments.
PB92-198217/REB 92-04 PC **A02**/MF **A01**

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PB92-143999/REB 92-01 PC **A03**/MF **A01**

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New Two-Phase Flow and Transport Model with Interphase Mass Exchange.
PB92-206564/REB 92-04 PC **A03**/MF **A01**

PINTO, J.
Chemical and Physical Properties of Emissions from Kuwait Oil Fires.
PB92-206481/REB 92-04 PC **A03**/MF **A01**

PINTO, J. P.
Current and Future Environmental Role of Atmospheric Methane: Model Studies and Uncertainties.
PB92-188820/REB 92-01 PC **A03**/MF **A01**

Stability of Tropospheric OH during Ice Ages, Inter-Glacial Epochs and Modern Times.
PB92-166669/REB 92-01 PC **A02**/MF **A01**

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Evaluation of a Kemira Oy Resistively Heated Catalyst on a Methanol-Fueled Vehicle.
PB92-104397/REB 92-01 PC **A03**/MF **A01**

Evaluation of a Schatz Heat Battery on a Flexible-Fueled Vehicle.
PB92-114255/REB 92-01 PC **A03**/MF **A01**

Evaluation of a Schatz Heat Battery on a Flexible-Fueled Vehicle. Phase 2.
PB92-204585/REB 92-04 PC **A03**/MF **A01**

Evaluation of Research Prototype Vehicles Equipped with Direct Injection Two-Stroke Cycle Engines.
PB92-143692/REB 92-01 PC **A03**/MF **A01**

PIPER, S. G.
Guidelines for Asbestos NESHAP Demolition and Renovation Inspection Procedures.
PB92-132836/REB 92-01 PC **A07**/MF **A02**

PITT, R. E.
Non-Stormwater Discharges into Storm Drainage Systems.
PB92-158559/REB 92-01 PC **A03**/MF **A01**

U.S. EPA's Manual of Practice for the Investigation and Control of Cross-Connection Pollution into Storm Drainage Systems.
PB92-217074/REB 92-04 PC **A02**/MF **A01**

PLAISANCE, S. J.
Technical Assistance Document: Performance Audit Procedures for Opacity Monitors.
PB92-192889/REB 92-01 PC **A12**/MF **A03**

PLAKS, N.
Effects on Electrostatic Precipitation of Changes in Grain Loading, Size Distribution, Resistivity, and Temperature.
PB92-113109/REB 92-01 PC **A03**/MF **A01**

Evaluation of Pilot ESP Performance with Elevated Loadings from Sorbent Injection Processes.
PB92-113117/REB 92-01 PC **A03**/MF **A01**

Modeling Wave Form Effects in ESPs: The Algorithm in ESPM and ESPVI.
PB92-121243/REB 92-01 PC **A03**/MF **A01**

SUPER ESP: Ultimate Electrostatic Precipitation.
PB92-113125/REB 92-01 PC **A03**/MF **A01**

PLEIL, J. D.
Superfund Innovative Technology Evaluation: The Delaware SITE Study, 1989.
PB92-125749/REB 92-01 PC **A08**/MF **A02**

PLELL, J. D.
Canister-Based Method for Monitoring Toxic VOCs in Ambient Air.
PB92-206432/REB 92-04 PC **A03**/MF **A01**

PLIS, Y. M.
Approach to Calculating Wind-Driven Currents and Transport of Substances in Unstratified Water Bodies Using Curvilinear Coordinates.
PB92-232966/REB 92-04 PC **A02**/MF **A01**

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Ozone Decreases Spring Root Growth and Root Carbohydrate Content in Ponderosa Pine the Year Following Exposure.
PB92-144039/REB 92-01 PC **A02**/MF **A01**

POE, M.
Leaf Photosynthetic and Water Relations Responses for 'Valencia' Orange Trees Exposed to Oxidant Air Pollution.
PB92-153857/REB 92-01 PC **A03**/MF **A01**

POHL, J. H.
Nitric Oxide Formation during Pulverized Coal Combustion.
PB92-121433/REB 92-01 PC **A03**/MF **A01**

POLI, B.
Pesticide Safety for Farmworkers (Uso Seguro de Pesticidas para los Trabajadores del Campo).
PB92-224344/REB 92-04 PC **A03**

POLLACK, A. J.
Superfund Innovative Technology Evaluation: The Delaware SITE Study, 1989.
PB92-125749/REB 92-01 PC **A08**/MF **A02**

POLLARD, J. E.
Environmental Monitoring and Assessment Program: Surface Waters Implementation Plan - Northeast Pilot Lake Survey, Summer 1991.
PB92-139948/REB 92-01 PC **A05**/MF **A01**

PONDER, W. H.
Corona Destruction: An Innovative Control Technology for VOCs and Air Toxics.
PB92-206622/REB 92-04 PC **A03**/MF **A01**

POOLE-KOBER, E. M.
Fiscal Year 1991 Summary Report of NOAA Atmospheric Sciences Modeling Division Support to the U.S. Environmental Protection Agency.
PB92-217835/REB 92-04 PC **A05**/MF **A01**

POPE, C. N.
Comparison of In vivo Cholinesterase Inhibition in Neonatal and Adult Rats by Three Organophosphorothioate Insecticides.
PB92-110550/REB 92-01 PC **A03**/MF **A01**

Dose-Related Inhibition of Brain and Plasma Cholinesterase in Neonatal and Adult Rats Following Sublethal Organophosphate Exposures.
PB92-209360/REB 92-04 PC **A03**/MF **A01**

Long-Term Neurochemical and Behavioral Effects Induced by Acute Chlorpyrifos Treatment.
PB92-206366/REB 92-04 PC **A02**/MF **A01**

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Formation of Transconjugants on Plating Media Following 'In situ' Conjugation Experiments.
PB92-180330/REB 92-01 PC **A02**/MF **A01**

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PB92-108141/REB 92-01 PC **A02**/MF **A01**

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Use of the Fungicide Carbendazim as a Model Compound to Determine the Impact of Acute Chemical Exposure during Oocyte Maturation and Fertilization on Pregnancy Outcome in the Hamster.
PB92-206416/REB 92-04 PC **A02**/MF **A01**

POSSIEL, N. C.
Regional Ozone Modeling for Northeast Transport (ROMNET).
PB92-108786/REB 92-01 PC **A15**/MF **A03**

Regional Ozone Modeling for Northeast Transport (ROMNET). Appendices.
PB92-108794/REB 92-01 PC **A15**/MF **A03**

POTTER, C. L.
Quantitative Image Cytometry of Hepatocytes Expressing Gamma-Glutamyl Transpeptidase and Glutathione S-Transferase in Diethylnitrosamine-Initiated Rats Treated with Phenobarbitol and/or Phthalate Esters.
PB92-227586/REB 92-04 PC **A03**/MF **A01**

POWELL, R. M.
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PB92-227487/REB 92-04 PC **A03**/MF **A01**

Effects of pH, Solid/Solution Ratio, Ionic Strength, and Organic Acids on Pb and Cd Sorption on Kaolinite.
PB92-143981/REB 92-01 PC **A02**/MF **A01**

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PB92-114503/REB 92-01 PC **A03**/MF **A01**

Metals in Ground Water: Sampling Artifacts and Reproducibility.
PB92-227479/REB 92-04 PC **A03**/MF **A01**

Stability and Transport of Inorganic Colloids through Contaminated Aquifer Material.
PB92-164839/REB 92-01 PC **A02**/MF **A01**

Surface-Charge Repulsive Effects on the Mobility of Inorganic Colloids in Surface Systems. Annual Colloid and Surface Science Symposium (65th). Held in Norman, Oklahoma on June 17-19, 1991.
PB92-191139/REB 92-01 PC **A03**/MF **A01**

Transport of Inorganic Colloids through Natural Aquifer Material: Implications for Contaminant Transport.
PB92-158690/REB 92-01 PC **A02**/MF **A01**

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Observations on Studies Useful to Asbestos Operations and Management Activities.
PB92-136860/REB 92-01 PC **A03**/MF **A01**

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PB92-158617/REB 92-01 PC **A03**/MF **A01**

PRESTON, E. M.
Wetlands Research Plan FY92-96: An Integrated Risk-Based Approach.
PB92-178946/REB 92-01 PC **A07**/MF **A02**

PRESTON, W. T.
Volatile Emissions from Stabilization/Solidification of Hazardous Waste.
PB92-217371/REB 92-04 PC **A03**/MF **A01**

PRINCIOTTA, F. T.
Air Pollution Engineering Research at the U.S. Environmental Protection Agency.
PB92-206457/REB 92-04 PC **A01**/MF **A01**

PRINGLE, J.
Gene Probe for PO Messenger RNA Used to Index Acrylamide Toxic Neuropathy in Rats.
PB92-143957/REB 92-01 PC **A03**/MF **A01**

Myelin Basic Protein-Messenger RNA (MBP-mRNA) Expression during Triethyltin-Induced Myelin Edema.
PB92-150861/REB 92-01 PC **A03**/MF **A01**

PRITCHARD, P. H.
Workshop: Application of Microcosms for Assessing the Risk of Microbial Biotechnology Products. Held in Hunt Valley, Maryland on May 19, 1992.
PB92-216951/REB 92-04 PC **A07**/MF **A02**

PRODESKY, E. J.
Demonstration of Sorbent Injection Technology on a Wall-Fired Utility Boiler (Edgewater Limb Demonstration).
PB92-201136/REB 92-04 PC **A10**/MF **A03**

PROSS, D.
Climate Change and Isoprene Emissions from Vegetation.
PB92-153865/REB 92-01 PC **A03**/MF **A01**

PRUELL, R. J.
Dechlorinations of Polychlorinated Biphenyls in Sediments of New Bedford Harbor.
PB92-121151/REB 92-01 PC **A03**/MF **A01**

Evaluation of Selected Lipid Methods for Normalizing Pollutant Bioaccumulation.
PB92-124379/REB 92-01 PC **A02**/MF **A01**

PULS, R. W.
Acquisition of Representative Ground Water Quality Samples for Metals.
PB92-227487/REB 92-04 PC **A03**/MF **A01**

Distribution, Speciation, and Transformation of Chromium in Contaminated Soils and Aquifer Sediments.
PB92-179092/REB 92-01 PC **A02**/MF **A01**

Effects of pH, Solid/Solution Ratio, Ionic Strength, and Organic Acids on Pb and Cd Sorption on Kaolinite.
PB92-143981/REB 92-01 PC **A02**/MF **A01**

Facilitated Transport of Inorganic Contaminants in Ground Water: Part 2. Colloidal Transport.
PB92-114503/REB 92-01 PC **A03**/MF **A01**

Metals in Ground Water: Sampling Artifacts and Reproducibility.
PB92-227479/REB 92-04 PC **A03**/MF **A01**

Stability and Transport of Inorganic Colloids through Contaminated Aquifer Material.
PB92-164839/REB 92-01 PC **A02**/MF **A01**

Surface-Charge Repulsive Effects on the Mobility of Inorganic Colloids in Surface Systems. Annual Colloid and Surface Science Symposium (65th). Held in Norman, Oklahoma on June 17-19, 1991.
PB92-191139/REB 92-01 PC **A03**/MF **A01**

Transport of Inorganic Colloids through Natural Aquifer Material: *Implications for Contaminant* Transport.
PB92-158690/REB 92-01 PC **A02**/MF **A01**

PURDUE, L. J.
Atlanta Ozone Precursor Monitoring Study Data Report.
PB92-220656/REB 92-04 PC **A08**/MF **A02**

Technical Assistance Document for Sampling and Analysis of Ozone Precursors.
PB92-122795/REB 92-01 PC **A09**/MF **A02**

PUTERSKI, R.
GIS Technical Memorandum 3: Global Positioning Systems Technology and Its Application in Environmental Programs.
PB92-169358/REB 92-01 PC **A04**/MF **A01**

PYLE, B. E.
Data Logging Systems for *Monitoring Long-Term Radon* Mitigation Experimental Programs in Schools and Other Large Buildings.
PB92-206580/REB 92-04 PC **A03**/MF **A01**

QUANDER, J.
Innovative Treatment Technologies: Overview and Guide to Information Sources.
PB92-179001/REB 92-01 PC **A20**/MF **A04**

QUEST, J. A.
Characteristics of the U.S. *EPA's Office of Pesticide Programs'* Toxicity Information Databases.
PB92-188978/REB 92-01 PC **A02**/MF **A01**

RABINOWITZ, J. R.
Computational Studies of the 3-Dimensional Structure of Cyclopenta Polycyclic Aromatic Hydrocarbons Containing a Gulf Region.
PB92-150820/REB 92-01 PC **A03**/MF **A01**

Epoxide Ring Opening and Related Reactivities of Cyclopenta Polycyclic Aromatic Hydrocarbons: Quantum Mechanical Studies.
PB92-179795/REB 92-01 PC **A02**/MF **A01**

Genotoxicity in Mouse Lymphoma Cells of Chemicals Capable of Michael Addition.
PB92-120484/REB 92-01 PC **A02**/MF **A01**

RAFII, F.
Cloning and Expression of a Lignin Peroxidase Gene from 'Streptomyces viridosporus' in 'Streptomyces lividans'.
PB92-180389/REB 92-01 PC **A03**/MF **A01**

RAJAGOPAL, R.
Information Integration for Environmental Monitoring and Assessment: An Annotated Bibliography.
PB92-227461/REB 92-04 PC **A03**/MF **A01**

RAKES, S. L.
Evaluation of NOx Emission Control Catalysts for Power Plant SCR Installations.
PB92-121276/REB 92-01 PC **A03**/MF **A01**

RAMSEY, G. H.
Corona Destruction: An Innovative Control Technology for VOCs and Air Toxics.
PB92-206622/REB 92-04 PC **A03**/MF **A01**

RANDALL, P. M.
Pollution Prevention Methods in the Surface Coating Industry.
PB92-153337/REB 92-01 PC **A03**/MF **A01**

RANDALL, R.
Computerized Risk and Bioaccumulation System (Version 1.0).
PB92-114164/REB 92-01 PC **A03**/MF **A01**

RANDALL, R. C.
Evaluation of Selected Lipid Methods for Normalizing Pollutant Bioaccumulation.
PB92-124379/REB 92-01 PC **A02**/MF **A01**

RANDTKE, S. J.
Acid Aerosol Measurement Methods: Studies of Extraction and Analytical Effects.
PB92-191154/REB 92-01 PC **A02**/MF **A01**

RAO, P. S. C.
Prediction of the Solubility of Hydrophobic Compounds in Nonideal Solvent Mixtures.
PB92-143999/REB 92-01 PC **A03**/MF **A01**

RAO, R.
Child Lead Exposure Study, Leeds, Alabama.
PB92-123793/REB 92-01 PC **A05**/MF **A01**

RAPP, G. R.
Mercury Deposition and Sources for the Upper Great Lakes Region.
PB92-120500/REB 92-01 PC **A03**/MF **A01**

Mercury in the St. Louis River, Mississippi River, Crane Lake, and Sand Point Lake: Cycling, Distribution, and Sources. Report to the Legislative Commission on Minnesota Resources.
PB92-195957/REB 92-01 PC **A07**/MF **A02**

RAPPAPORT, B.
Quality Assurance Project Plan for the National Pesticide Survey of Drinking Water Wells: Hydrogeologic Characterization and Second-Stage Stratification Activities.
PB92-168624/REB 92-04 PC **A08**/MF **A02**

Quality Assurance Project Plan for the National Survey of Pesticides in Drinking Water Wells: Well Sampling, Data Collection and Processing.
PB92-168632/REB 92-04 PC **A07**/MF **A02**

RASMUSSEN, R. A.
Greenhouse Gases from Small-Scale Combustion in Developing Countries: A Pilot Study in Manila.
PB92-139369/REB 92-01 PC **A04**/MF **A01**

RASMUSSEN, S.
Addendum to the Regulatory Impact Analysis for the Final Criteria for Municipal Solid Waste Landfills.
PB92-100858/REB 92-01 PC **A03**/MF **A01**

Regulatory Impact Analysis for the Final Criteria for Municipal Solid Waste Landfills.
PB92-100841/REB 92-01 PC **A13**/MF **A03**

RATSCH, H.
Effects of Glean, a Sulfonylurea Herbicide, on the Reproductive Biology and Fruit Set in Cherry Trees. Progress Report to Region 10.
PB92-142652/REB 92-01 PC **A03**/MF **A01**

Plant Tier Testing: A Workshop to Evaluate Nontarget Plant Testing in Subdivision J Pesticide Guidelines. Held in Corvallis, Oregon on November 29-December 1, 1990.
PB92-116052/REB 92-01 PC **A12**/MF **A03**

RAUB, J. A.
Summary of Selected New Information on Effects of Ozone on Health and Vegetation: Supplement to 1986 Air Quality Criteria for Ozone and Other Photochemical Oxidants.
PB92-235670/REB 92-04 PC **A05**/MF **A02**

RAWE, J.
Guide for Conducting Treatability Studies under CERCLA: Aerobic Biodegradation Remedy Screening.
PB92-109073/REB 92-01 PC **A02**/MF **A01**

Guide for Conducting Treatability Studies under CERCLA: *Aerobic Biodegradation Remedy Screening. Interim* Guidance.
PB92-109065/REB 92-01 PC **A03**/MF **A01**

Guide for Conducting Treatability Studies under CERCLA: Soil Washing. Interim Guidance.
PB92-170570/REB 92-01 PC **A03**/MF **A01**

Guide for Conducting Treatability Studies under CERCLA: Soil Washing: Quick Reference Fact Sheet.
PB92-170588/REB 92-01 PC **A02**/MF **A01**

Guide for Conducting Treatability Studies under CERCLA Solvent Extraction. Interim Guidance.
PB92-239581/REB 92-04 PC **A03**/MF **A01**

Guide for Conducting Treatability Studies under CERCLA: Solvent Extraction Quick Reference Fact Sheet.
PB92-239599/REB 92-04 PC **A02**/MF **A01**

RAY, W. D.
Composition of Motor Vehicle Organic Emissions under Elevated Temperature Summer Driving Conditions (75 to 105 deg F).
PB92-166693/REB 92-01 PC **A02**/MF **A01**

REA, B. A.
Effect of the Geochemical Environment on Heavy-Metal Transport in Ground Water.
PB92-179134/REB 92-01 PC **A03**/MF **A01**

READING, P. L.
National Home and Garden Pesticide Use Survey Final Report. Executive Summary.
PB92-174739/REB 92-01 PC **A03**/MF **A01**

National Home and Garden Pesticide Use Survey. Final Report. Volume 1. Executive Summary, Results, and Recommendations.
PB92-174747/REB 92-01 PC **A16**/MF **A03**

National Home and Garden Pesticide Use Survey. Final Report. Volume 2. Survey Design, Implementation, and Analysis Methods.
PB92-174754/REB 92-01 PC **A07**/MF **A02**

REAGAN, J. A.
Atlanta Ozone Precursor Monitoring Study Data Report.
PB92-220656/REB 92-04 PC **A08**/MF **A02**

RECTOR, H. E.
Costs of Radon Diagnostics and Mitigation in School Buildings.
PB92-198282/REB 92-04 PC **A03**/MF **A01**

REDDEL, R. R.
Human Bronchial Epithelial Cell Strain with Unusual In vitro Growth Potential *Which Undergoes Neoplastic Transformation* after SV40 T Antigen Gene Transfection.
PB92-206358/REB 92-04 PC **A03**/MF **A01**

REDDY, T. A.
Effect of Natural Ventilation on Radon and Radon Progeny Levels in Houses.
PB92-124148/REB 92-01 PC **A03**/MF **A01**

Effects of Natural and Forced Basement Ventilation on Radon Levels in Single Family Dwellings.
PB92-192194/REB 92-01 PC **A04**/MF **A01**

Modeling Air Flow Dynamics in Radon Mitigation Systems: A Simplified Approach.
PB92-120427/REB 92-01 PC **A02**/MF **A01**

*Natural Basement Ventilation as a Radon Mitigation Tech*nique.
PB92-166958/REB 92-01 PC **A03**/MF **A01**

Simplified Modeling of Air Flow Dynamics in SSD Radon Mitigation Systems for Residences with Gravel Beds.
PB92-195635/REB 92-01 PC **A05**/MF **A01**

REDDY, T. V.
Induction of Nuclear Anomalies in the Gastrointestinal Tract by Polycyclic Aromatic Hydrocarbons.
PB92-164896/REB 92-01 PC **A03**/MF **A01**

REES, T. F.
Stability and Transport of Inorganic Colloids through Contaminated Aquifer Material.
PB92-164839/REB 92-01 PC **A02**/MF **A01**

REESE, D. H.
Control of Alkaline Phosphatase Activity in C3H10T1/2 Cells: Role of Retinoic Acid and Cell Density.
PB92-198639/REB 92-04 PC **A03**/MF **A01**

REEVE, J. N.
Hydrogenase-Linked Gene in 'Methanobacterium thermoautotrophicum' Strain DeltaH Encodes a Polyferredoxin.
PB92-206234/REB 92-04 PC **A02**/MF **A01**

REEVES, D. E.
No Migration Variances to the Hazardous Waste Land Disposal Prohibitions: A Guidance Manual for Petitioners (July 1992).
PB92-207695/REB 92-04 PC **A05**/MF **A02**

REEVES, G.
Example Emission Inventory Documentation for Post-1987 Ozone State Implementation Plans (SIPs).
PB92-112176/REB 92-01 PC **A18**/MF **A04**

REFINETTI, R.
Measurement of Behavioral Thermoregulation.
PB92-217033/REB 92-04 PC **A03**/MF **A01**

REGGIO, P. H.
Computational Studies of the 3-Dimensional Structure of Cyclopenta Polycyclic Aromatic Hydrocarbons Containing a Gulf Region.
PB92-150820/REB 92-01 PC **A03**/MF **A01**

REHNBERG, G. L.
Collection of Interstitial Fluid and Seminiferous Tubule Fluid from the Rat Testis.
PB92-179084/REB 92-01 PC **A03**/MF **A01**

Effect of Inhaled Methanol on Pituitary and Testicular Hormones *in Chamber Acclimated and Non-Acclimated Rats.*
PB92-150788/REB 92-01 PC **A03**/MF **A01**

REIDY, P. J.
Assessing UST Corrective Action Technology: A Scientific Evaluation of the Mobility of Organic Contaminants in Subsurface Environments.
PB92-114552/REB 92-01 PC **A16**/MF **A03**

REILLY, W. K.
Development Document for Best Available Technology, Pretreatment Technology, and *New Source Performance* Technology for the Pesticide Chemical Industry. Proposed. (Pesticide Chemicals Manufacturing Category Effluent Limitations Guidelines, Pretreatment Standards, and New Source Performance Standards).
PB92-173541/REB 92-01 PC **A21**/MF **A04**

REINEMAN, M. E.
Natural Gas Vehicle Challenge: EPA Emissions and Fuel Economy Testing, 1992.
PB92-217926/REB 92-04 PC **A04**/MF **A01**

REINHARD, J. F.
Measurement of Tyrosine Hydroxylase Apoenzyme Protein by Enzyme-Linked Immunosorbent Assay (ELISA): Effects of 1-Methyl-4-Phenyl-1,2,3,6-Tetrahydropyridine (MPTP) on *Striatal Tyrosine Hydroxylase Activity and Content.*
PB92-209345/REB 92-04 PC **A02**/MF **A01**

REINHARD, M.
Abiotic Transformation of Carbon Tetrachloride in the Presence of Sulfide and Mineral Surfaces.
PB92-179738/REB 92-01 PC **A02**/MF **A01**

Microbial Degradation of Toluene under Sulfate-Reducing Conditions and the Influence of Iron on the Process.
PB92-166735/REB 92-01 PC **A02**/MF **A01**

Reduction of Hexachloroethane and Carbon Tetrachloride at Surfaces of Biotite, Vermiculite, Pyrite, and Marcasite.
PB92-113141/REB 92-01 PC **A03**/MF **A01**

REISS, C. R.
*Reduction of Disinfection By-Product Precursors by Nanofil*tration.
PB92-149269/REB 92-01 PC **E99**/MF **A06**

REITER, L. W.
Evaluating the Human Health Effects of Hazardous Wastes: Reproduction and Development, Neurotoxicity, Genetic Toxicity and Cancer.
PB92-110352/REB 92-01 PC **A03**/MF **A01**

Interlaboratory Comparison of Motor Activity Experiments: Implications for Neurotoxicological Assessments.
PB92-143916/REB 92-01 PC **A03**/MF **A01**

RENARD, E. P.
Permeation of Multifunctional Acrylates through Selected Protective Glove Materials.
PB92-153915/REB 92-01 PC **A02**/MF **A01**

REVZAN, K. L.
Modeling Radon Entry into Florida Houses with Concrete Slabs and Concrete-Block Stem Walls.
PB92-201128/REB 92-04 PC **A06**/MF **A02**

RHODES, D. E.
Column Studies on BTEX Biodegradation under Microaerophilic and Denitrifying Conditions.
PB92-179050/REB 92-01 PC **A03**/MF **A01**

RHODES, W. J.
Stratospheric Ozone Protection: An EPA Engineering Perspective.
PB92-136894/REB 92-01 PC **A02**/MF **A01**

RHOMBERG, L.
Upper-Bound Quantitative Cancer Risk Estimate for Populations Adjacent to Sulfur Mustard Incineration Facilities.
PB92-137207/REB 92-01 PC **A03**/MF **A01**

RIBIC, C. A.
Effects of El Nino and La Nina on Seabird Assemblages in the Equatorial Pacific.
PB92-217405/REB 92-04 PC **A03**/MF **A01**

Marine Debris Survey Manual.
PB92-103456/REB 92-01 PC **A08**/MF **A02**

RICE, E. W.
Searching for a Water Supply Connection in the Cabool, Missouri Disease Outbreak of 'Escherichia coli' 0157:H7.
PB92-235662/REB 92-04 PC **A03**/MF **A01**

Serological Cross-Reactions between 'Escherichia coli' O157 and other Species of the Genus 'Escherichia'.
PB92-180306/REB 92-01 PC **A01**/MF **A01**

RICE, J.
Technical Assistance Document for Sampling and Analysis of Ozone Precursors.
PB92-122795/REB 92-01 PC **A09**/MF **A02**

RICE, J. W.
Application of Tradescantia Micronucleus Assay for In situ Evaluation of Potential Genetic Hazards from Exposure to Chemicals at a Wood-Preserving Site.
PB92-217231/REB 92-04 PC **A02**/MF **A01**

RICHARD, A. M.
Quantitative Comparison of Molecular Electrostatic Potentials for Structure-Activity Studies.
PB92-110519/REB 92-01 PC **A03**/MF **A01**

RICHARDS, J.
Relationship between Cholinesterase Inhibition and Thermoregulation Following Exposure to Diisopropyl Fluorophosphate in the Rat.
PB92-158658/REB 92-01 PC **A02**/MF **A01**

RICHARDS, M. K.
EPA SITE Demonstration of the Horsehead Resource Development Company Flame Reactor Technology.
PB92-139401/REB 92-01 PC **A02**/MF **A01**

Pilot-Scale Incineration of PCB-Contaminated Sediments from the Hot Spot of the New Bedford Harbor Superfund Site.
PB92-227321/REB 92-04 PC **A02**/MF **A01**

RICHARDSON, S. D.
Application of Multispectral Techniques to the Precise Identification of Aldehydes in the Environment.
PB92-101419/REB 92-01 PC **A02**/MF **A01**

Influence of Experimental Conditions on the Liquid Secondary Ion Mass Spectra of Sulfonated Azo Dyes.
PB92-124361/REB 92-01 PC **A02**/MF **A01**

Multispectral Identification of Alkyl and Chloroalkyl Phosphates from an Industrial Effluent.
PB92-124353/REB 92-01 PC **A02**/MF **A01**

Structural Characterization of Sulfonated Azo Dyes Using Liquid Secondary Ion Mass Spectrometry/Tandem Mass Spectrometry.
PB92-188861/REB 92-01 PC **A03**/MF **A01**

RICHARDSON, W. L.
Modeling Studies for Planning: The Green Bay Project.
PB92-136944/REB 92-01 PC **A02**/MF **A01**

RICHMOND, H. M.
Review of the National Ambient Air Quality Standards for Ozone Assessment of Scientific and Technical Information. OAQPS Staff Paper.
PB92-190446/REB 92-01 PC **A17**/MF **A03**

RICHMOND, R. E.
Immunohistochemical Detection of P21 'ras' and P110 'myc' Oncogene Expression in Regenerating Rat Liver.
PB92-188895/REB 92-01 PC **A03**/MF **A01**

Quantitative Image Cytometry of Hepatocytes Expressing Gamma-Glutamyl Transpeptidase and Glutathione S-Transferase in Diethylnitrosamine-Initiated Rats Treated with Phenobarbitol and/or Phthalate Esters.
PB92-227586/REB 92-04 PC **A03**/MF **A01**

RICHTER, B. C.
Identification of Sources of Ground-Water Salinization Using Geochemical Techniques.
PB92-119650/REB 92-01 PC **A12**/MF **A03**

RICKMAN, E. E.
Performance of Automated Ambient SO2 Analyzers with Respect to a Proposed 5-Minute Ambient Air Quality Standard.
PB92-192178/REB 92-01 PC **A03**/MF **A01**

RIDDLE, M. M.
Comparative Immunosuppression of Various Glycol Ethers Orally Administered to Fisher 344 Rats.
PB92-195833/REB 92-01 PC **A02**/MF **A01**

Differences between Rats and Mice in the Immunosuppressive Activity of 2-Methoxyethanol and 2-Methoxyacetic Acid.
PB92-232974/REB 92-04 PC **A03**/MF **A01**

Evaluation of the Immunotoxicity of Orally Administered 2-Methoxyacetic Acid in Fischer 344 Rats.
PB92-124601/REB 92-01 PC **A03**/MF **A01**

Host Resistance to Murine Malaria in Mice Exposed to the Adenosine Deaminase Inhibitor, 2'-Deoxycoformycin.
PB92-150812/REB 92-01 PC **A03**/MF **A01**

Host Resistance to 'Trichinella spiralis' Infection in Rats and Mice: Species-Dependent Effects of Cyclophosphamide Exposure.
PB92-233006/REB 92-04 PC **A03**/MF **A01**

RIGGAN, W. B.
Assessment of Spatial Variation of Risks in Small Populations.
PB92-188903/REB 92-01 PC **A03**/MF **A01**

RIITTERS, K.
Forest Health Monitoring Plot Design and Logistics Study.
PB92-118447/REB 92-01 PC **A06**/MF **A02**

RINGHAND, H. P.
Ozonation/Post-Chlorination of Humic Acid: A Model for Predicting Drinking Water Disinfection By-Products.
PB92-180280/REB 92-01 PC **A03**/MF **A01**

Subchronic Toxicity Study of Ozonated and Ozonated/Chlorinated Humic Acids in Sprague-Dawley Rats: A Model System for Drinking Water Disinfection.
PB92-164946/REB 92-01 PC **A02**/MF **A01**

RINO, C. L.
Study to Determine the Feasibility of Using a Ground-Penetrating Radar for More Effective Remediation of Subsurface Contamination.
PB92-169382/REB 92-04 PC **A06**/MF **A02**

RIPBERGER, C. T.
Conceptual Design Issues: Developing a New Highway Vehicle Emissions Estimation Methodology.
PB92-139450/REB 92-01 PC **A02**/MF **A01**

RISSER, J. A.
Spectroscopic Study of Surface Redox Reactions With Manganese Oxides.
PB92-179837/REB 92-01 PC **A02**/MF **A01**

RITTERS, K. H.
Monitoring and Research Strategy for Forests-Environmental Monitoring and Assessment Program.
PB92-146208/REB 92-01 PC **A09**/MF **A02**

ROBERTS, P. V.
Methodologies for Evaluating In situ Bioremediation of Chlorinated Solvents.
PB92-146943/REB 92-01 PC **A05**/MF **A02**

ROBERTS, W. C.
Health Advisory for Isopropyl Methylphosphonic Acid (IMPA).
PB92-232149/REB 92-04 PC **A03**/MF **A01**

Health Advisory for 2,4- and 2,6-Dinitrotoluene (DNT).
PB92-189315/REB 92-01 PC **A10**/MF **A03**

ROBERTSON, A.
Achievements in Source Reduction and Recycling for Ten Industries in the United States.
PB92-137470/REB 92-01 PC **A04**/MF **A01**

ROBINSON, J. P.
Time Spent in Activities, Locations, and Microenvironments: A California-National Comparison.
PB92-140789/REB 92-01 PC **A05**/MF **A01**

ROBINSON, M.
Comparative Subchronic Toxicity Studies of Three Disinfectants.
PB92-164920/REB 92-01 PC **A03**/MF **A01**

Subacute and Subchronic Oral Toxicity of 1,3-Dichloropropane in the Rat.
PB92-164912/REB 92-01 PC **A03**/MF **A01**

Subchronic Toxicity Study of Ozonated and Ozonated/Chlorinated Humic Acids in Sprague-Dawley Rats: A Model System for Drinking Water Disinfection.
PB92-164946/REB 92-01 PC **A02**/MF **A01**

ROBSON, D. L.
Interactive Effects of Aldrin, Cyclohexylamine, 2,4-Diaminotoluene and Two Phorbol Esters on Metabolic Cooperation between V79 Cells.
PB92-108026/REB 92-01 PC **A02**/MF **A01**

ROBY, M. R.
Measurement of Polycyclic Aromatic Hydrocarbons in Soils and Sediments by Particle-Beam/High-Performance Liquid Chromatography/Mass Spectrometry.
PB92-188721/REB 92-01 PC **A03**/MF **A01**

RODEMEYER, P. P.
Demonstration of Sorbent Injection Technology on a Wall-Fired Utility Boiler (Edgewater Limb Demonstration).
PB92-201136/REB 92-04 PC **A10**/MF **A03**

RODGERS, I. S.
Alpha2u-Globulin: Association with Chemically Induced Renal Toxicity and Neoplasia in the Male Rat.
PB92-143668/REB 92-01 PC **A07**/MF **A02**

RODRIGUEZ, B.
System for Control of River Water Quality for the Community of Madrid Using QUAL2E.
PB92-206218/REB 92-04 PC **A02**/MF **A01**

ROE, R. M.
Vertebrate Toxicology of the Solubilized Parasporal Crystalline Proteins of 'Bacillus thuringiensis' Subsp. 'israelensis'.
PB92-150507/REB 92-01 PC **A03**/MF **A01**

ROECK, D.
Capsule Report: Particulate Control by Fabric Filtration on Coal-Fired Industrial Boilers.
PB92-179894/REB 92-01 PC **A03**/MF **A01**

ROESSLER, C. E.
Recommended Sub-Slab Depressurization Systems Design Standard of the Florida Radon Research Program.
PB92-105626/REB 92-01 PC **A03**/MF **A01**

ROGERS, B. C.
Age-Dependent Changes in Receptor-Stimulated Phosphoinositide Turnover in the Rat Hippocampus.
PB92-206333/REB 92-04 PC **A02**/MF **A01**

ROGERS, J. E.
Environmental Factors Correlated to Dichlorophenol Dechlorination in Anoxic Freshwater Sediments.
PB92-124346/REB 92-01 PC **A03**/MF **A01**

Reductive Dechlorination of Dichlorophenols in Anaerobic Pond Sediments (Chapter 13).
PB92-101708/REB 92-01 PC **A03**/MF **A01**

Regiospecific Dechlorination of Pentachlorophenol by Dichlorophenol-Adapted Microorganisms in Freshwater, Anaerobic Sediment Slurries.
PB92-101674/REB 92-01 PC **A03**/MF **A01**

ROGERS, J. M.
Assessing Developmental Hazard: The Reliability of the A/D Ratio.
PB92-150838/REB 92-01 PC **A03**/MF **A01**

Developmental Effects of Methyl Benzimidazolecarbamate Following Exposure during Early Pregnancy.
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Developmental Toxicity of Bromoxynil in Mice and Rats.
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PB92-143965/REB 92-01 PC **A03**/MF **A01**

Reply to 'Selective Development Toxicity: Misuse of the Concept via Mis-Application of a Mis-Defined 'A/D Ratio'. (Letter to the Editor).
PB92-227610/REB 92-04 PC **A01**/MF **A01**

Role of Metallothionein Induction and Altered Zinc Status in Maternally Mediated Developmental Toxicity: Comparison of the Effects of Urethane and Styrene in Rats.
PB92-124635/REB 92-01 PC **A03**/MF **A01**

Significance of Supernumerary Ribs in Rodent Developmental Toxicity Studies: Postnatal Persistence in Rats and Mice.
PB92-113299/REB 92-01 PC **A02**/MF **A01**

ROGERS, R. R.
Evaluation of the Immunotoxicity of Orally Administered 2-Methoxyacetic Acid in Fischer 344 Rats.
PB92-124601/REB 92-01 PC **A03**/MF **A01**

Host Resistance to Murine Malaria in Mice Exposed to the Adenosine Deaminase Inhibitor, 2'-Deoxycoformycin.
PB92-150812/REB 92-01 PC **A03**/MF **A01**

ROGERS, V. C.
Proceedings of the Workshop on Radon Potential Mapping, Florida Radon Research Program. Held in Gainesville, Florida on April 20, 1990.
PB92-115278/REB 92-01 PC **A04**/MF **A01**

Recommended Foundation Fill Materials Construction Standard of the Florida Radon Research Program.
PB92-105865/REB 92-01 PC **A03**/MF **A01**

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PB92-150457/REB 92-01 PC **A03**/MF **A01**

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Sensitivity of Modeled Ozone Concentrations to Uncertainties in Biogenic Emissions.
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Effects of Chemically Induced Maternal Toxicity on Prenatal Development in the Rat.
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ROSENBAUM, B.
Estimating Critical Loads of Sulfate to Surface Waters in the Northeastern United States: A Comparative Assessment of Three Procedures for Estimating Critical Loads of Sulfate for Lakes.
PB92-119015/REB 92-01 PC **A03**/MF **A01**

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Design and Implementation of a Collaborative Study of the Mutagenicity of Complex Mixtures in 'Salmonella typhimurium'.
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ROSENTHAL, S.
Potential Reuse of Petroleum-Contaminated Soil: A Directory of Permitted Recycling Facilities.
PB92-173780/REB 92-04 PC **A03**/MF **A01**

ROSS, J.
DNA Adducts in Rat Lung, Liver and Peripheral Blood Lymphocytes Produces by i.p. Administration of Benzo(a)Pyrene Metabolites and Derivatives.
PB92-124627/REB 92-01 PC **A01**/MF **A01**

Improved Sample Recovery in Thermocycle Sequencing Protocols.
PB92-124593/REB 92-01 PC **A01**/MF **A01**

Morphological Transformation and DNA Adduct Formation by Benz(j)aceanthrylene and Its Metabolites in C3H10T1/2CL8 Cells: Evidence for Both Cyclopenta-Ring and Bay-Region Metabolic Activation Pathways.
PB92-150762/REB 92-01 PC **A02**/MF **A01**

ROSS, R. R.
Fundamentals of Ground-Water Modeling. Ground Water Issue.
PB92-232354/REB 92-04 PC **A03**/MF **A01**

ROSSMAN, L. A.
Technical Guidance on Supplementary Stream Design Conditions for Steady State Modeling.
PB92-231844/REB 92-04 PC **A05**/MF **A01**

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Performance Evaluation of a Variable Speed, Mixed Refrigerant Heat Pump.
PB92-143759/REB 92-01 PC **A04**/MF **A01**

ROULIER, M. H.
Developments in Chemical Treatment of Contaminated Soil.
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Prospects for In situ Chemical Treatment for Contaminated Soil.
PB92-126929/REB 92-01 PC **A02**/MF **A01**

ROY, W. K.
Foliar Injury Symptoms and Pigment Concentrations in Red Spruce Saplings in the Southern Appalachians.
PB92-113216/REB 92-01 PC **A02**/MF **A01**

ROY, W. R.
Technical Resource Document: Batch-Type Procedures for Estimating Soil Adsorption of Chemicals.
PB92-188515/REB 92-01 PC **A06**/MF **A02**

ROYER, M. D.
Control Technologies for Defunct lead Battery Recycling Sites: Overview and Recent Developments. Volume 3.
PB92-150416/REB 92-01 PC **A03**/MF **A01**

Control Technologies for Remediation of Contaminated Soil and Waste Deposits at Superfund Lead Battery Recycling Sites.
PB92-227388/REB 92-04 PC **A03**/MF **A01**

RUBIN, M. B.
Development Document for Best Available Technology, Pretreatment Technology, and New Source Performance Technology for the Pesticide Chemical Industry. Proposed. (Pesticide Chemicals Manufacturing Category Effluent Limitations Guidelines, Pretreatment Standards, and New Source Performance Standards).
PB92-173541/REB 92-01 PC **A21**/MF **A04**

RUPP, G. L.
Characterizing Heterogeneous Wastes: Methods and Recommendations (March 26-28, 1991).
PB92-216894/REB 92-04 PC **A08**/MF **A02**

RUSSELL, D.
Burning Tires for Fuel and Tire Pyrolysis: Air Implications.
PB92-145358/REB 92-01 PC **A11**/MF **A03**

RUSSELL, H. H.
In-situ Bioremediation of Contaminated Ground Water.
PB92-224336/REB 92-04 PC **A03**/MF **A01**

TCE Removal from Contaminated Soil and Ground Water. Ground Water Issue.
PB92-224104/REB 92-04 PC **A03**/MF **A01**

RUSSELL, M. L.
Regional Respiratory Tract Absorption of Inhaled Reactive Gases.
PB92-217140/REB 92-04 PC **A05**/MF **A01**

RUSSELL, P.
Climate Change in Thailand and Its Potential Impact on Rice Yield.
PB92-232883/REB 92-04 PC **A03**/MF **A01**

RUSSO, R. C.
Toxicity of Ammonia, Nitrite, and Nitrate to Fishes.
PB92-179142/REB 92-01 PC **A03**/MF **A01**

RUSSOM, C. L.
ASTER: An Integration of the ACQUIRE Data Base and the QSAR System for Use in Ecological Risk Assessments.
PB92-198217/REB 92-04 PC **A02**/MF **A01**

RUSSWARM, G. M.
Long-Path FTIR Measurements of Volatile Organic Compounds in an Industrial Setting (July 1989-April 1991).
PB92-206424/REB 92-04 PC **A02**/MF **A01**

RUSSWURM, G. M.
Superfund Innovative Technology Evaluation: The Delaware SITE Study, 1989.
PB92-125749/REB 92-01 PC **A08**/MF **A02**

RUSTAD, L. E.
Soil Response to S and N Treatments in a Northern New England Low Elevation Coniferous Forest.
PB92-150556/REB 92-01 PC **A03**/MF **A01**

RUTKOWSKI, J. P.
Metabolism of Benzo(a)Pyrene and Persistence of DNA Adducts in the Brown Bullhead 'Ictalurus nebulosus'.
PB92-189067/REB 92-01 PC **A02**/MF **A01**

RYAN, J. A.
Bioavailability to Plants of Sludge-Borne Toxic Organics.
PB92-153931/REB 92-01 PC **A03**/MF **A01**

RYAN, J. V.
Experimental Investigation of PIC Formation in CFC Incineration.
PB92-150432/REB 92-01 PC **A02**/MF **A01**

Full-Scale Laboratory Simulation Facility to Test Particulate and Organic Emissions from a Third World Residential Combustion Process. III Evaluation of a Potential Technique for the Control of Emissions from the Indoor, Open Hearth Combustion of Coal.
PB92-206499/REB 92-04 PC **A03**/MF **A01**

Recommended Operating Procedure Number 56: Collection of Gaseous Grab Samples from Combustion Sources for Nitrous Oxide Measurement.
PB92-216928/REB 92-04 PC **A03**/MF **A01**

RYGIEWICZ, P. T.
Stress Interactions and Mycorrhizal Plant Response: Understanding Carbon Allocation Priorities.
PB92-144054/REB 92-01 PC **A03**/MF **A01**

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Pilot Study to Compare Created and Natural Wetlands in Western Washington and Evaluate Methods.
PB92-136811/REB 92-01 PC **A04**/MF **A01**

Trends and Patterns in Section 404 Permitting Requiring Compensatory Mitigation in Oregon and Washington, USA.
PB92-153907/REB 92-01 PC **A03**/MF **A01**

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Interspecies Comparisons of A/D Ratios: A/D Ratios Are Not Constant Across Species.
PB92-143965/REB 92-01 PC **A03**/MF **A01**

SACK, T. M.
Indoor Air Pollutants from Household Product Sources: Project Report.
PB92-136837/REB 92-01 PC **A08**/MF **A02**

SACKETT, W. M.
Seasonal Variations of Stable Hydrogen and Carbon Isotope Ratios of Methane in Subtropical Freshwater Sediments.
PB92-217181/REB 92-04 PC **A03**/MF **A01**

SAEGER, M.
Residential Wood Combustion: Issues and Emission Estimation Techniques.
PB92-139435/REB 92-01 PC **A03**/MF **A01**

Solvent Use Emissions Estimation Methodologies: Future Implications.
PB92-150440/REB 92-01 PC **A03**/MF **A01**

SAFFERMAN, R. S.
Practical Directory to Phycovirus Literature.
PB92-132893/REB 92-01 PC **A03**/MF **A01**

SAID, W. A.
Quantitative Assessment of the Effects of Metals on Microbial Degradation of Organic Chemicals.
PB92-101385/REB 92-01 PC **A02**/MF **A01**

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Evaluation of the Rackwitz-Fiessler Uncertainty Analysis Method for Environmental Fate and Transport Models.
PB92-188879/REB 92-01 PC **A03**/MF **A01**

SALINAS, J.
Review of Di(2-Ethylhexyl)Phthalate (DEHP) Risk Assessments.
PB92-198613/REB 92-04 PC **A03**/MF **A01**

SAMFIELD, M. M.
Indoor Air Quality Data Base for Organic Compounds.
PB92-158468/REB 92-01 PC **A04**/MF **A01**

SANCHEX, D. C.
Assessment of Diagnostic Measurements for Selection for Residential Radon Mitigation.
PB92-153725/REB 92-01 PC **A03**/MF **A01**

SANCHEZ, D. C.
Florida Radon Research Program: Technical Support for the Development of Radon Resistant Construction Standards.
PB92-108109/REB 92-01 PC **A03**/MF **A01**

SANDELLI, G. J.
Demonstration of Fuel Cells to Recover Energy from Landfill Gas. Phase 1 Final Report: Conceptual Study.
PB92-137520/REB 92-01 PC **A05**/MF **A01**

Fuel Cell Energy Recovery from Landfill Gas.
PB92-121235/REB 92-01 PC **A03**/MF **A01**

Fuel Cell Energy Recovery from Landfill Gas.
PB92-150614/REB 92-01 PC **A03**/MF **A01**

SANDHU, S. S.
Application of a Plant Test System in the Identification of Potential Genetic Hazards at Chemical Waste Sites.
PB92-124551/REB 92-01 PC **A03**/MF **A01**

Application of Tradescantia Micronucleus Assay for In situ Evaluation of Potential Genetic Hazards from Exposure to Chemicals at a Wood-Preserving Site.
PB92-217231/REB 92-04 PC **A02**/MF **A01**

Evaluation of 10 Chemicals for Aneuploidy Induction in the Hexaploid Wheat Assay.
PB92-113307/REB 92-01 PC **A02**/MF **A01**

SANDIFER, D.
Closure of a Dioxin Incineration Facility.
PB92-191170/REB 92-01 PC **A03**/MF **A01**

SANGALAH, R.
Ozonation Byproducts: Identification of Bromohydrins from the Ozonation Natural Waters with Enhanced Bromide Levels.
PB92-232958/REB 92-04 PC **A02**/MF **A01**

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PB92-195726/REB 92-04 PC **A02**/MF **A01**

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Evaluating the Utility of Natural Vegetation in Assessing Arctic Accumulation of Air Toxics.
PB92-103464/REB 92-01 PC **A08**/MF **A02**

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MANE: A Multiphase, Aqueous, Non-Steady State, Equilibrium Model for Simulating Soil Water Interactions.
PB92-143817/REB 92-01 PC **A03**/MF **A01**

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PB92-227362/REB 92-04 PC **A03**/MF **A01**

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PB92-121409/REB 92-01 PC **A02**/MF **A01**

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PB92-121433/REB 92-01 PC **A03**/MF **A01**

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PB92-121417/REB 92-01 PC **A03**/MF **A01**

Non-Equilibrium Effects in the Vaporization of Multicomponent Fuel Droplets.
PB92-121425/REB 92-01 PC **A02**/MF **A01**

Oxidation and Devolatilization of Nitrogen in Coal Char.
PB92-121441/REB 92-01 PC **A02**/MF **A01**

SAUL, G.
Example Environmental Assessment Report for Estuaries.
PB92-102656/REB 92-01 PC **A04**/MF **A01**

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Regional Assessment of Aquifer Vulnerability and Sensitivity in the Conterminous United States.
PB92-100148/REB 92-01 PC **A15**/MF **A03**

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Limited-Use Chemical Protective Clothing for EPA Superfund Activities.
PB92-143494/REB 92-01 PC **A03**/MF **A01**

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Field Demonstration of the Linde Oxygen Combustion System on the EPA Mobile Incinerator.
PB92-188838/REB 92-01 PC **A02**/MF **A01**

SCHAEDEL, A. L.
Oregon, USA, Ecological Regions and Subregions for Water Quality Management.
PB92-180348/REB 92-01 PC **A03**/MF **A01**

SCHAEFER, F. W.
Comparison of Animal Infectivity, Excystation, and Fluorogenic Dye as Measures of 'Giardia muris' Cyst Inactivation by Ozone.
PB92-124288/REB 92-01 PC **A02**/MF **A01**

Differentiation of 'Giardia duodenalis' from Other 'Giardia spp.' by Using Polymerase Chain Reaction and Gene Probes.
PB92-150531/REB 92-01 PC **A02**/MF **A01**

SCHAEFER, R. M.
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PB92-104397/REB 92-01 PC **A03**/MF **A01**

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PB92-114255/REB 92-01 PC **A03**/MF **A01**

Evaluation of a Schatz Heat Battery on a Flexible-Fueled Vehicle. Phase 2.
PB92-204585/REB 92-04 PC **A03**/MF **A01**

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PB92-143692/REB 92-01 PC **A03**/MF **A01**

SCHALLER, E.
Diagnostic Evaluation of Regional Acid Deposition Model (RADM) Performance during a Period of Frontal Passage Using Aircraft Measurements.
PB92-152958/REB 92-01 PC **A06**/MF **A02**

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PB92-158492/REB 92-01 PC **A02**/MF **A01**

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PB92-152974/REB 92-01 PC **A02**/MF **A01**

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PB92-188879/REB 92-01 PC **A03**/MF **A01**

SCHERE, K. L.
Regional Ozone Modeling for Northeast Transport (ROMNET).
PB92-108786/REB 92-01 PC **A15**/MF **A03**

Regional Ozone Modeling for Northeast Transport (ROMNET). Appendices.
PB92-108794/REB 92-01 PC **A15**/MF **A03**

SCHIMMEL, S. C.
EPA's Environmental Monitoring and Assessment Program: An Ecological Status and Trends Program.
PB92-121169/REB 92-01 PC **A03**/MF **A01**

U.S. Environmental Protection Agency's Environmental Monitoring and Assessment Program: An Ecological Status and Trends Program.
PB92-121292/REB 92-01 PC **A02**/MF **A01**

SCHMIDT, K. W.
Mercury Deposition and Sources for the Upper Great Lakes Region.
PB92-120500/REB 92-01 PC **A03**/MF **A01**

Mercury in the St. Louis River, Mississippi River, Crane Lake, and Sand Point Lake: Cycling, Distribution, and Sources. Report to the Legislative Commission on Minnesota Resources.
PB92-195957/REB 92-01 PC **A07**/MF **A02**

SCHMOLKE, W.
Two Different Approaches for Control and Measurement of Plant Functions in Closed Environmental Chambers.
PB92-108067/REB 92-01 PC **A03**/MF **A01**

SCHMULLER, J.
Superfund Soils Data Management System.
PB92-139476/REB 92-01 PC **A02**/MF **A01**

SCHNELL, F. C.
Protein Adducts for Exposure Monitoring: A Computerized Database. Software and User's Manual.
PB92-155431/REB 92-01 PC **A03**/MF **A01**

SCHNOOR, J. L.
Kinetics of Chemical Weathering: A Comparison of Laboratory and Field Weathering Rates (Chapter 17).
PB92-143858/REB 92-01 PC **A03**/MF **A01**

SCHOCK, M. R.
Comparison of Methods for Determination of Dissolved Inorganic Carbon (DIC).
PB92-179712/REB 92-01 PC **A03**/MF **A01**

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PB92-179720/REB 92-01 PC **A03**/MF **A01**

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PB92-129790/REB 92-01 PC **A02**/MF **A01**

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PB92-198647/REB 92-04 PC **A03**/MF **A01**

SCHROEDER, P.
Can Intensive Management Increase Carbon Storage in Forests.
PB92-113224/REB 92-01 PC **A02**/MF **A01**

Carbon Storage Potential of Short Rotation Tropical Tree Plantations.
PB92-232891/REB 92-04 PC **A03**/MF **A01**

Slowing the Increase of Atmospheric Carbon Dioxide: A Biological Approach.
PB92-144070/REB 92-01 PC **A02**/MF **A01**

What Is the Potential of Forest Management to Slow the Increase of Atmospheric CO2.
PB92-180249/REB 92-01 PC **A03**/MF **A01**

SCHROEDER, P. E.
Assessment of Promising Forest Management Practices and Technologies for Enhancing the Conservation and Sequestration of Atmospheric Carbon and Their Costs at the Site Level.
PB92-122787/REB 92-01 PC **A08**/MF **A02**

Global Assessment of Promising Forest Management Practices for Sequestration of Carbon.
PB92-153006/REB 92-01 PC **A03**/MF **A01**

Proceedings of the International Workshop on Large-Scale Reforestation. Held in Corvallis, Oregon on May 9-10, 1990.
PB92-109131/REB 92-01 PC **A08**/MF **A02**

SCHUBAUER-BERIGAN, M. K.
Contribution of Ammonia, Metals and Nonpolar Organic Compounds to the Toxicity of Sediment Interstitial Water from an Illinois River Tributary.
PB92-150648/REB 92-01 PC **A03**/MF **A01**

Predicting the Toxicity of Bulk Sediments to Aquatic Organisms with Aqueous Test Fractions: Pore Water versus Eluriate.
PB92-150606/REB 92-01 PC **A02**/MF **A01**

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PB92-150697/REB 92-01 PC **A02**/MF **A01**

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PB92-150705/REB 92-01 PC **A03**/MF **A01**

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Effects of Aqueous and Dietary Exposure of Dieldrin on Survival, Growth and Bioconcentration in Mallard Ducklings.
PB92-217413/REB 92-04 PC **A03**/MF **A01**

Teratogenesis, Toxicity, and Bioconcentration in Frogs Exposed to Dieldrin.
PB92-180363/REB 92-01 PC **A03**/MF **A01**

SCHWARTZ, T. R.
Determination and Occurrence of AHH-Active Polychlorinated Biphenyls, 2,3,7,8-Tetrachloro-p-Dioxin and 2,3,7,8-Tetrachlorodibenzofuran in Lake Michigan Sediment and Biota. The Question of Their Relative Toxicological Significance.
PB92-108125/REB 92-01 PC **A03**/MF **A01**

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PB92-124700/REB 92-01 PC **A02**/MF **A01**

SCHWOPE, A. D.
Improvement of PMN Review Procedures to Estimate Protective Clothing Performance. Executive Summary Report.
PB92-105691/REB 92-01 PC **A03**/MF **A01**

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PB92-143494/REB 92-01 PC **A03**/MF **A01**

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PB92-227396/REB 92-04 PC **A03**/MF **A01**

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PB92-174408/REB 92-01 PC **A10**/MF **A03**

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PB92-227362/REB 92-04 PC **A03**/MF **A01**

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PB92-166685/REB 92-01 PC **A03**/MF **A01**

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EPA's Environmental Monitoring and Assessment Program: An Ecological Status and Trends Program.
PB92-121169/REB 92-01 PC **A03**/MF **A01**

U.S. Environmental Protection Agency's Environmental Monitoring and Assessment Program: An Ecological Status and Trends Program.
PB92-121292/REB 92-01 PC **A02**/MF **A01**

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PB92-198647/REB 92-04 PC **A03**/MF **A01**

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PB92-136910/REB 92-01 PC **A03**/MF **A01**

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PB92-150846/REB 92-01 PC **A03**/MF **A01**

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PB92-153923/REB 92-01 PC **A03**/MF **A01**

Use of Four-Dimensional Data Assimilation in a Limited-Area Mesoscale Model Part 2: Effects of Data Assimilation within the Planetary Boundary Layer.
PB92-166750/REB 92-01 PC **A03**/MF **A01**

SEDMAN, C. B.
Current Status of ADVACATE Process for Flue Gas Desulfurization (Journal Article).
PB92-150622/REB 92-01 PC **A02**/MF **A01**

Evaluation of Pilot ESP Performance with Elevated Loadings from Sorbent Injection Processes.
PB92-113117/REB 92-01 PC **A03**/MF **A01**

Stationary Combustion NOx Control: A Summary of the 1991 Symposium. Held in Washington, DC., March 25-28, 1991.
PB92-121375/REB 92-01 PC **A02**/MF **A01**

SEEKER, W. R.
Comparison of the Incineration of Medical Waste with Hazardous and Municipal Waste.
PB92-217090/REB 92-04 PC **A03**/MF **A01**

SEGA, G. A.
Review of the Mutagenicity of Ethylene Oxide.
PB92-124569/REB 92-01 PC **A03**/MF **A01**

SEGALL, R. R.
Emissions of Metals, Chromium and Nickel Species, and Organics from Municipal Wastewater Sludge Incinerators. Volume 1. Summary Report.
PB92-151554/REB 92-01 PC **A04**/MF **A01**

Emissions of Metals, Chromium and Nickel Species, and Organics from Municipal Wastewater Sludge Incinerators. Volume 2. Site 5 Emission Test Report Hexavalent Chromium Method Evaluation.
PB92-151562/REB 92-01 PC **A05**/MF **A01**

Emissions of Metals, Chromium and Nickel Species, and Organics from Municipal Wastewater Sludge Incinerators. Volume 3. Site 6 Emissions Test Report.
PB92-151570/REB 92-01 PC **A07**/MF **A02**

Emissions of Metals, Chromium and Nickel Species, and Organics from Municipal Wastewater Sludge Incinerators. Volume 4. Site 6 Emission Test Report - Appendices.
PB92-151588/REB 92-01 PC **A13**/MF **A03**

Emissions of Metals, Chromium and Nickel Species, and Organics from Municipal Wastewater Sludge Incinerators. Volume 6. Site 8 Emission Test Report.
PB92-151604/REB 92-01 PC **A07**/MF **A02**

Emissions of Metals, Chromium and Nickel Species, and Organics from Municipal Wastewater Sludge Incinerators. Volume 7. Site 8 Emission Test Report - Appendices.
PB92-151612/REB 92-01 PC **A16**/MF **A03**

Emissions of Metals, Chromium and Nickel Species, and Organics from Municipal Wastewater Sludge Incinerators. Volume 8. Site 9 Emission Test Report.
PB92-151620/REB 92-01 PC **A08**/MF **A02**

Emissions of Metals, Chromium and Nickel Species, and Organics from Municipal Wastewater Sludge Incinerators. Volume 9. Site 9 Emission Test Report - Appendices.
PB92-151638/REB 92-01 PC **A99**/MF **A06**

SEIDLER, F. J.
Neural Factors in the Development of Renal Function: Effect of Neonatal Central Catecholaminergic Lesions with 6-Hydroxydopamine.
PB92-120492/REB 92-01 PC **A02**/MF **A01**

SEIDLER, R.
Physical and Chemical Control of Released Microorganisms at Field Sites.
PB92-153360/REB 92-01 PC **A02**/MF **A01**

SEIDLER, R. J.
Formation of Transconjugants on Plating Media Following 'In situ' Conjugation Experiments.
PB92-180330/REB 92-01 PC **A02**/MF **A01**

SELEVAN, S.
Reference Guide to Odor Thresholds for Hazardous Air Pollutants Listed in the Clean Air Act Amendments of 1990.
PB92-239516/REB 92-04 PC **A05**/MF **A01**

SELF, D.
Regional Assessment of Aquifer Vulnerability and Sensitivity in the Conterminous United States.
PB92-100148/REB 92-01 PC **A15**/MF **A03**

SELGRADE, M. J. K.
Murine Cytomegalovirus Host Resistance Models.
PB92-217025/REB 92-04 PC **A03**/MF **A01**

SELGRADE, M. K.
Evaluation of Immunotoxicity of an Urban Profile of Nitrogen Dioxide: Acute, Subchronic, and Chronic Studies.
PB92-113356/REB 92-01 PC **A03**/MF **A01**

SELLERS, K. L.
Soil-Air Permeability Method Evaluation.
PB92-124239/REB 92-01 PC **A02**/MF **A01**

SELVAKUMAR, A.
Contaminants and Remedial Options at Wood Preserving Sites.
PB92-232222/REB 92-04 PC **A07**/MF **A02**

Control Technologies for Defunct lead Battery Recycling Sites: Overview and Recent Developments. Volume 3.
PB92-150416/REB 92-01 PC **A03**/MF **A01**

Control Technologies for Remediation of Contaminated Soil and Waste Deposits at Superfund Lead Battery Recycling Sites.
PB92-227388/REB 92-04 PC **A03**/MF **A01**

Selection of Control Technologies for Remediation of Lead Battery Recycling Sites.
PB92-114537/REB 92-01 PC **A08**/MF **A02**

SEMPRINI, L.
Methodologies for Evaluating In situ Bioremediation of Chlorinated Solvents.
PB92-146943/REB 92-01 PC **A05**/MF **A02**

SENSINTAFFAR, E. L.
Radiological Survey of the Norfolk Naval Station, the Norfolk Naval Shipyard, and Newport News Shipbuilding.
PB92-164730/REB 92-01 PC **A03**/MF **A01**

SETTE, W. F.
Comparison of Subchronic Neurotoxicity of 2-Hydroxyethyl Acrylate and Acrylamide in Rats.
PB92-188945/REB 92-01 PC **A03**/MF **A01**

SETZER, R. W.
Assessing Developmental Hazard: The Reliability of the A/D Ratio.
PB92-150838/REB 92-01 PC **A03**/MF **A01**

Effects of Chemically Induced Maternal Toxicity on Prenatal Development in the Rat.
PB92-150887/REB 92-01 PC **A02**/MF **A01**

Reply to 'Selective Development Toxicity: Misuse of the Concept via Mis-Application of a Mis-Defined 'A/D Ratio'. (Letter to the Editor).
PB92-227610/REB 92-04 PC **A01**/MF **A01**

Selection Kinetics during Serial Cell Culture Passage of Mixtures of Wild-Type 'Autographa californica' Nuclear Polyhedrosis Virus and Its Recombinant Ac360-Beta-gal.
PB92-143874/REB 92-01 PC **A02**/MF **A01**

SEWALL, J.
Life History and Toxicological Comparisons of Temperate and Subtropical Mysids.
PB92-124304/REB 92-01 PC **A03**/MF **A01**

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Stimulation of Reductive Dechlorination of Tetrachloroethene in Anaerobic Aquifer Microcosms by Addition of Short-Chain Organic Acids or Alcohols.
PB92-206465/REB 92-04 PC **A01**/MF **A01**

TCE Removal from Contaminated Soil and Ground Water. Ground Water Issue.
PB92-224104/REB 92-04 PC **A03**/MF **A01**

SEXTON, R. G.
Modeling Radon Entry into Florida Houses with Concrete Slabs and Concrete-Block Stem Walls.
PB92-201128/REB 92-04 PC **A06**/MF **A02**

SEXTRO, R. G.
Modeling Air Flow Dynamics in Radon Mitigation Systems: A Simplified Approach.
PB92-120427/REB 92-01 PC **A02**/MF **A01**

Simplified Modeling of Air Flow Dynamics in SSD Radon Mitigation Systems for Residences with Gravel Beds.
PB92-195635/REB 92-01 PC **A05**/MF **A01**

SHAFFER, P. W.
Direct/Delayed Response Project: Future Effects of Long-Term Sulfur Deposition on Stream Chemistry in the Mid-Appalachian Region of the Eastern United States.
PB92-232370/REB 92-04 PC **A18**/MF **A04**

Estimating Critical Loads of Sulfate to Surface Waters in the Northeastern United States: A Comparative Assessment of Three Procedures for Estimating Critical Loads of Sulfate for Lakes.
PB92-119015/REB 92-01 PC **A03**/MF **A01**

SHAH, P. V.
Age-Related Percutaneous Penetration of 2-sec-Butyl-4-6-Dinitrophenol (Dinoseb) in Rats.
PB92-227495/REB 92-04 PC **A03**/MF **A01**

SHANKLIN, S. A.
Emissions of Metals, Chromium and Nickel Species, and Organics from Municipal Wastewater Sludge Incinerators. Volume 5. Site 7 Test Report CEMS Evaluation.
PB92-151596/REB 92-01 PC **A03**/MF **A01**

SHAPIRO, H.
Review of Energy Efficiency of Refrigerator/Freezer Gaskets.
PB92-106913/REB 92-01 PC **A03**/MF **A01**

SHEARER, T. L.
Comparison of In situ Vitrification and Rotary Kiln Incineration for Soils Treatment.
PB92-113174/REB 92-01 PC **A02**/MF **A01**

SHEFFIELD, A. E.
14C Source Apportionment Technique Applied to Wintertime Urban Aerosols and Gases for the EPA Integrated Air Cancer Project.
PB92-171370 92-01 Not available NTIS

SHELBY, M.
Design and Implementation of a Collaborative Study of the Mutagenicity of Complex Mixtures in 'Salmonella typhimurium'.
PB92-150697/REB 92-01 PC **A02**/MF **A01**

SHERMAN, A.
Closure of a Dioxin Incineration Facility.
PB92-191170/REB 92-01 PC **A03**/MF **A01**

SHERMAN, A. D.
Approach to Improving Decision Making in Wetland Restoration and Creation.
PB92-217306/REB 92-04 PC **A08**/MF **A02**

Final Quality Assurance Report for the Tampa, Florida Wetlands Study.
PB92-113000/REB 92-01 PC **A09**/MF **A03**

Quality Assurance Project Plan: Tampa, Florida Wetlands Study.
PB92-122761/REB 92-01 PC **A11**/MF **A03**

SHIELDS, M. S.
Mutants of 'Pseudomonas cepacia' G4 Defective in Catabolism of Aromatic Compounds and Trichloroethylene.
PB92-129741/REB 92-01 PC **A02**/MF **A01**

SHIH, C.
Fuel Volatility Effects on Exhaust Emissions.
PB92-110014/REB 92-01 PC **A03**/MF **A01**

SHIPP, A.
Health Effects and Dose-Response Assessment for Hydrogen Chloride Following Short-Term Exposure.
PB92-161959/REB 92-01 PC **A05**/MF **A01**

SHIRAZI, M. A.
Developmental Malformation of Frog Embryos: An Analysis of Teratogenicity of Chemical Mixtures.
PB92-108190/REB 92-01 PC **A02**/MF **A01**

Model of Additive Effects of Mixtures of Narcotic Chemicals.
PB92-108174/REB 92-01 PC **A02**/MF **A01**

SHOAF, C. R.
Reference Guide to Odor Thresholds for Hazardous Air Pollutants Listed in the Clean Air Act Amendments of 1990.
PB92-239516/REB 92-04 PC **A05**/MF **A01**

SHOEMAKER, J. D.
Guides to Pollution Prevention: The Fiberglass-Reinforced and Composite Plastics Industry.
PB91-227967/REB 92-01 PC **A04**/MF **A01**

SHORES, R. C.
Summary Report for the National Atmospheric Deposition Program National Trends Network (NADP/NTN) Site Visitation Program.
PB92-219823/REB 92-04 PC **A06**/MF **A02**

Summary Report for the National Atmospheric Deposition Program/National Trends Network (NADP/NTN) Site Visitation Program for the Period October 1989 through September 1990.
PB92-217298/REB 92-04 PC **A05**/MF **A01**

SHORT, T. E.
Optimal Adaptive Local Grid Refinement Approach to Modeling Contaminant Transport.
PB92-217314/REB 92-04 PC **A03**/MF **A01**

SHURE, D. J.
Patch Size of Forest Openings and Arthropod Populations.
PB92-108158/REB 92-01 PC **A03**/MF **A01**

SIEGL, W. O.
Advanced Emission Speciation Methodologies for the Auto/*Oil Air Quality Improvement Research Program. 1. Hydro*carbons and Ethers.
PB92-166784/REB 92-01 PC **A03**/MF **A01**

SIERSZEN, M. E.
Zooplankton Population Dynamics in Experimentally Toxified Pond Ecosystems.
PB92-153352/REB 92-01 PC **A02**/MF **A01**

SIFNEOS, J. C.
Effects of Section 404 Permitting on Freshwater Wetlands in Louisiana, Alabama, and Mississippi.
PB92-217439/REB 92-04 PC **A03**/MF **A01**

Pilot Study to Compare Created and Natural Wetlands in Western Washington and Evaluate Methods.
PB92-136811/REB 92-01 PC **A04**/MF **A01**

Trends and Patterns in Section 404 Permitting Requiring Compensatory Mitigation in Oregon and Washington, USA.
PB92-153907/REB 92-01 PC **A03**/MF **A01**

SIGSBY, J. E.
*Advanced Emission Speciation Methodologies for the Auto/*Oil Air Quality Improvement Research Program. 1. Hydrocarbons and Ethers.
PB92-166784/REB 92-01 PC **A03**/MF **A01**

SIKKA, H. C.
Metabolism of Benzo(a)Pyrene and Persistence of DNA Adducts in the Brown Bullhead 'Ictalurus nebulosus'.
PB92-189067/REB 92-01 PC **A02**/MF **A01**

SILVERSTEIN, M. E.
Superfund Innovative Technology Evaluation Program Demonstration Plan for Westinghouse Bio-Analytic Systems Pentachlorophenol Immunoassays.
PB92-170190/REB 92-01 PC **A08**/MF **A02**

Superfund Innovative Technology Evaluation (Site) Report for the *Westinghouse Bio-Analytic Systems Pentachloro*phenol (PCP) Immunoassays.
PB92-188713/REB 92-01 PC **A06**/MF **A02**

SIMON, T. L.
Use of Marsh Plants for Toxicity Testing of Water and Sediment.
PB92-195882/REB 92-01 PC **A03**/MF **A01**

SIMONS, A. P.
Treating Soil Solution Samplers to Prevent Microbial Re*moval of* Analytes.
PB92-166610/REB 92-01 PC **A02**/MF **A01**

SIMONSEN, L.
Estimating the Rate of Plasmid Transfer: An End-Point Method.
PB92-129626/REB 92-01 PC **A02**/MF **A01**

SIMPSON, K. L.
Increased Reproduction by Mysids ('Mysidopsis bahia') Fed with Enriched 'Artemia' spp. Nauplii.
PB92-108034/REB 92-01 PC **A02**/MF **A01**

SIMPSON, O. A.
Long-Path FTIR Measurements of Volatile Organic Compounds in an Industrial Setting (July 1989-April 1991).
PB92-206424/REB 92-04 PC **A02**/MF **A01**

SIMS, J. L.
In-situ Bioremediation of Contaminated Ground Water.
PB92-224336/REB 92-04 PC **A03**/MF **A01**

SINGER, C.
*Current Status of ADVACATE Process for Flue Gas Desul*furization (Journal Article).
PB92-150622/REB 92-01 PC **A02**/MF **A01**

SINIGALLIANO, C. D.
Detection of Horizontal Gene Transfer by Natural Transformation in Native and Introduced Species of Bacteria in Marine and Synthetic Sediments.
PB92-195767/REB 92-01 PC **A02**/MF **A01**

SINK, M. K.
*Handbook: Control Technologies for Hazardous Air Pollut*ants.
PB92-141373/REB 92-01 PC **A12**/MF **A03**

SIWIK, A.
Clean Air Act Section 183(d) Guidance on Cost-Effectiveness.
PB92-136795/REB 92-01 PC **A03**/MF **A01**

SKAGGS, S. R.
Research and Development for Total-Flood Halon 1301 Replacements for Oil and Gas Production Facilities.
PB92-206515/REB 92-04 PC **A02**/MF **A01**

SKELTON, R. W.
Eyeblink Conditioning in the Developing Rat.
PB92-232982/REB 92-04 PC **A03**/MF **A01**

SKOVRONEK, H. S.
Biological Treatment of Wood Preserving Site Groundwater by BioTrol, Inc. Applications Analysis Report.
PB91-227983/REB 92-01 PC **A04**/MF **A01**

BioTrol Soil Washing System for Treatment of a Wood Preserving Site: Applications Analysis Report.
PB92-115245/REB 92-01 PC **A04**/MF **A01**

*EPA SITE Demonstration of the BioTrol Soil Washing Proc*ess.
PB92-150655/REB 92-01 PC **A03**/MF **A01**

Industrial Pollution Prevention Opportunities for the 1990s.
PB91-220376/REB 92-01 PC **A04**/MF **A01**

Technology Evaluation Report: Biological Treatment of Wood Preserving Site Groundwater by Biotrol, Inc.
PB92-110048/REB 92-01 PC **A06**/MF **A02**

Technology Evaluation Report: Biotrol Soil Washing System for Treatment of a Wood Preserving Site. Volume 1.
PB92-115310/REB 92-01 PC **A13**/MF **A03**

Technology Evaluation Report: Biotrol Soil Washing System for Treatment of a Wood Preserving Site. Volume 2, Part A.
PB92-115328/REB 92-01 PC **A17**/MF **A04**

Technology Evaluation Report: Biotrol Soil Washing System for Treatment of a Wood Preserving Site. Volume 2, Part B.
PB92-115336/REB 92-01 PC **A15**/MF **A03**

SKYLLINGSTAD, E.
Hierarchical Stochastic Model of Large-Scale Atmospheric Circulation Patterns and Multiple Station Daily Precipitation.
PB92-217421/REB 92-04 PC **A03**

SLADE, R.
Application of the EPR Spin-Trapping Technique to the Detection of Radicals Produced in vivo during Inhalation Exposure of Rats to Ozone.
PB92-227412/REB 92-04 PC **A02**/MF **A01**

Concentration-Time Models for the Effects of Ozone on Bronchoalveolar Lavage Fluid Protein from Rats and Guinea Pigs.
PB92-150879/REB 92-01 PC **A03**/MF **A01**

SLOTKIN, T. A.
Neural Factors in the Development of Renal Function: Effect of Neonatal Central Catecholaminergic Lesions with 6-Hydroxydopamine.
PB92-120492/REB 92-01 PC **A02**/MF **A01**

SLOTT, V. L.
Computer-Assisted Sperm Analysis of Rodent Epididymal Sperm Motility Using the Hamilton-Thorn Motility Analyzer.
PB92-165000/REB 92-01 PC **A03**/MF **A01**

Rat Sperm Motility Analysis: Methodologic Considerations.
PB92-124684/REB 92-01 PC **A03**/MF **A01**

SMALL, M. C.
Underground Storage Tanks on Indian Lands. Education *Moderates: An Environmental Treat.*
PB92-179860/REB 92-01 PC **A02**/MF **A01**

SMART, A. W.
Monitoring Guidelines to Evaluate Effects of Forestry Activities on Streams in the Pacific Northwest and Alaska.
PB92-104520/REB 92-01 PC **A09**/MF **A02**

SMIALOWICZ, R. J.
Comparative Immunosuppression of Various Glycol Ethers Orally Administered to Fisher 344 Rats.
PB92-195833/REB 92-01 PC **A02**/MF **A01**

Differences between Rats and Mice in the Immunosuppressive Activity of 2-Methoxyethanol and 2-Methoxyacetic Acid.
PB92-232974/REB 92-04 PC **A03**/MF **A01**

Evaluation of the Immunotoxicity of Orally Administered 2-Methoxyacetic Acid in Fischer 344 Rats.
PB92-124601/REB 92-01 PC **A03**/MF **A01**

Host Resistance to 'Trichinella spiralis' Infection in Rats and Mice: Species-Dependent Effects of Cyclophosphamide Exposure.
PB92-233006/REB 92-04 PC **A03**/MF **A01**

In vitro Lymphocyte Proliferation Assays: The Mitogen-Stim*ulated Response and the Mixed Lymphocyte Reaction in* Immunotoxicity Testing.
PB92-126911/REB 92-01 PC **A03**/MF **A01**

SMITH, C. N.
Application of MINTEQA2 to the Speciation of Contaminants at Globe, Arizona.
PB92-166602/REB 92-01 PC **A02**/MF **A01**

Field Testing Pesticide Transport Models at a Cooperative Test Site Near Plains, Georgia.
PB92-150473/REB 92-01 PC **A02**/MF **A01**

Preliminary Results of a Pesticide Leaching Study at Plains, Georgia.
PB92-166354/REB 92-01 PC **A02**/MF **A01**

SMITH, G. B.
Effect of Nitrate Addition on Biorestoration of Fuel-Contaminated Aquifer: Field Demonstration.
PB92-110444/REB 92-01 PC **A03**/MF **A01**

SMITH, J.
PIRLA DBMS Quick Reference Guide.
PB92-110824/REB 92-01 PC **A08**/MF **A02**

SMITH, K. R.
Greenhouse Gases from Small-Scale Combustion in Developing Countries: A Pilot Study in Manila.
PB92-139369/REB 92-01 PC **A04**/MF **A01**

SMITH, L. M.
Determination and Occurrence of AHH-Active Polychlorinated Biphenyls, 2,3,7,8-Tetrachloro-p-Dioxin and 2,3,7,8-Tetrachlorodibenzofuran in Lake Michigan Sediment and Biota. The Question of Their Relative Toxicological Significance.
PB92-108125/REB 92-01 PC **A03**/MF **A01**

SMITH, M. L.
On-Site Engineering Report for the Low-Temperature Thermal Desorption Pilot-Scale Test on Contaminated Soil.
PB92-216936/REB 92-04 PC **A07**/MF **A02**

Removal of Creosote from Soil by Thermal Desorption.
PB92-126838/REB 92-01 PC **A02**/MF **A01**

SMITH, N. D.
Physical Property Data on Fluorinated Propanes and Butanes as CFC and HCFC Alternatives.
PB92-206507/REB 92-04 PC **A03**/MF **A01**

Research and Development for Total-Flood Halon 1301 Replacements for Oil and Gas Production Facilities.
PB92-206515/REB 92-04 PC **A02**/MF **A01**

SMITH, R. K.
Oil and Gas Field Emissions Survey.
PB92-184977/REB 92-01 PC **A14**/MF **A03**

SMITH, S.
Air/Superfund National Technical Guidance Study Series: Estimation of Air Impacts for Soil Vapor Extraction (SVE) Systems.
PB92-143676/REB 92-01 PC **A03**/MF **A01**

Air Superfund National Technical Guidance Study Series. Estimation of Air Impacts for the Excavation of Contaminated Soil.
PB92-171925/REB 92-01 PC **A04**/MF **A01**

SMOL, J. P.
Assessing Trends in Fishery Resources and Lake Water Aluminum from Paleolimnological Analyses of Siliceous Algae.
PB92-180405/REB 92-01 PC **A03**/MF **A01**

Diatoms: Powerful Indicators of Environmental Change.
PB92-180397/REB 92-01 PC **A03**/MF **A01**

How Much Acidification Has Occurred in Adirondack Region Lakes (New York, USA) since Preindustrial Times.
PB92-180371/REB 92-01 PC **A03**/MF **A01**

SMOLEN, M. D.
Selecting Priority Nonpoint Source Projects: You Better Shop Around.
PB92-233063/REB 92-04 PC **A03**/MF **A01**

SMOLKO, E.
Acid Aerosol Measurement Intercomparison Workshop. Held in Research Triangle Park, North Carolina on April 10-11, 1991.
PB92-191097/REB 92-01 PC **A15**/MF **A03**

SMOOT, J. L.
Application of Dye-Tracing Techniques for Determining Solute-Transport Characteristics of Ground Water in Karst Terranes.
PB92-231356/REB 92-04 PC **A06**/MF **A02**

SNAPP, L. M.
Recommended I/M Short Test Procedures for the 1990's: Six Alternatives.
PB92-104439/REB 92-01 PC **A03**/MF **A01**

SNOW, M. D.
Kinetic Properties of Malic Dehydrogenase from Three Cultivars of Rice.
PB92-178995/REB 92-01 PC **A03**/MF **A01**

SNOW, R.
Composition of Motor Vehicle Organic Emissions under Elevated Temperature Summer Driving Conditions (75 to 105 deg F).
PB92-166693/REB 92-01 PC **A02**/MF **A01**

SNOW, W. S.
Alternative Control Techniques Document: For PM-10 Emissions from Ferrous Foundries.
PB92-180017/REB 92-01 PC **A07**/MF **A02**

SNYDER, W. H.
Fluid Modeling Simulation of Stack-Tip Downwash for Neutrally Buoyant Plumes.
PB92-166644/REB 92-01 PC **A03**/MF **A01**

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Effect of Natural Ventilation on Radon and Radon Progeny Levels in Houses.
PB92-124148/REB 92-01 PC **A03**/MF **A01**

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Nitric Oxide Formation during Pulverized Coal Combustion.
PB92-121433/REB 92-01 PC **A03**/MF **A01**

Oxidation and Devolatilization of Nitrogen in Coal Char.
PB92-121441/REB 92-01 PC **A02**/MF **A01**

SONTAG, M. R.
Induction of Micronuclei by X-radiation in Human, Mouse and Rat Peripheral Blood Lymphocytes.
PB92-113315/REB 92-01 PC **A02**/MF **A01**

SOPER, A. E.
Influence of Size on Fate and Ecological Effects of Kepone in Physical Models.
PB92-121326/REB 92-01 PC **A03**/MF **A01**

SORENSEN, J. A.
Mercury Deposition and Sources for the Upper Great Lakes Region.
PB92-120500/REB 92-01 PC **A03**/MF **A01**

Mercury in the St. Louis River, Mississippi River, Crane Lake, and Sand Point Lake: Cycling, Distribution, and Sources. Report to the Legislative Commission on Minnesota Resources.
PB92-195957/REB 92-01 PC **A07**/MF **A02**

SORG, T. J.
Radionuclide Removal.
PB92-121284/REB 92-01 PC **A03**/MF **A01**

SORIAL, G. A.
GAC Adsorption of a Mixture of Natural Organic Matter and VOCs in the Presence and Absence of Molecular Oxygen.
PB92-153782/REB 92-01 PC **A03**/MF **A01**

SOUKUP, J.
Respiratory Syncytial Virus Infection of Human Primary Nasal and Bronchial Epithelial Cell Cultures and Bronchoalveolar Macrophages.
PB92-209352/REB 92-04 PC **A02**/MF **A01**

SOVOCOOL, G. W.
Gas Chromatographic Elution Patterns of Chlorinated Dioxins versus Column Polarity.
PB92-192186/REB 92-01 PC **A02**/MF **A01**

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Serological Cross-Reactions between 'Escherichia coli' O157 and other Species of the Genus 'Escherichia'.
PB92-180306/REB 92-01 PC **A01**/MF **A01**

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Comparison of Data from an IAQ Test House with Predictions of an IAQ Computer Model.
PB92-198589/REB 92-04 PC **A03**/MF **A01**

SPEAR, L. B.
Effects of El Nino and La Nina on Seabird Assemblages in the Equatorial Pacific.
PB92-217405/REB 92-04 PC **A03**/MF **A01**

SPEHAR, R.
Guidelines for Culturing the Japanese Medaka, 'Oryzias latipes'.
PB92-137496/REB 92-01 PC **A03**/MF **A01**

SPEHAR, R. L.
Guidelines for Conducting Early Life Stage Toxicity Tests with Japanese Medaka 'Oryzias latipes'.
PB92-137488/REB 92-01 PC **A03**/MF **A01**

SPEKTOR, D. M.
Effects of Heavy Industrial Pollution on Respiratory Function in the Children of Cubatao, Brazil: A Preliminary Report.
PB92-217207/REB 92-04 PC **A02**/MF **A01**

SPETH, T. F.
GAC Adsorption of a Mixture of Natural Organic Matter and VOCs in the Presence and Absence of Molecular Oxygen.
PB92-153782/REB 92-01 PC **A03**/MF **A01**

Use of Pilot Columns for Predicting Full-Scale GAC Performance.
PB92-179159/REB 92-01 PC **A03**/MF **A01**

SPICER, C.
Investigation of RADM Performance Using Aircraft Measurements.
PB92-152974/REB 92-01 PC **A02**/MF **A01**

SPICER, C. W.
Diagnostic Evaluation of Regional Acid Deposition Model (RADM) Performance during a Period of Frontal Passage Using Aircraft Measurements.
PB92-152958/REB 92-01 PC **A06**/MF **A02**

SPIEGEL, R. J.
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PB92-121235/REB 92-01 PC **A03**/MF **A01**

Fuel Cell Energy Recovery from Landfill Gas.
PB92-150614/REB 92-01 PC **A03**/MF **A01**

SPRINGER, J.
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PB92-179886/REB 92-01 PC **A03**/MF **A01**

Pollution Prevention Case Studies Compendium.
PB92-180165/REB 92-01 PC **A06**/MF **A02**

SPROCKEL, O. L.
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PB92-121334/REB 92-01 PC **A03**/MF **A01**

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THORNTON, B.
Alternative Daily Cover Materials for Municipal Solid Waste Landfills.
PB92-208206/REB 92-04 PC **A03**/MF **A01**

THORNTON, K. W.
Direct/Delayed Response Project: Future Effects of Long-Term Sulfur Deposition on Stream Chemistry in the Mid-Appalachian Region of the Eastern United States.
PB92-232370/REB 92-04 PC **A18**/MF **A04**

THRUSTON, A. D.
Application of Multispectral Techniques to the Precise Identification of Aldehydes in the Environment.
PB92-101419/REB 92-01 PC **A02**/MF **A01**

Influence of Experimental Conditions on the Liquid Secondary Ion Mass Spectra of Sulfonated Azo Dyes.
PB92-124361/REB 92-01 PC **A02**/MF **A01**

Multispectral Identification of Alkyl and Chloroalkyl Phosphates from an Industrial Effluent.
PB92-124353/REB 92-01 PC **A02**/MF **A01**

Structural Characterization of Sulfonated Azo Dyes Using Liquid Secondary Ion Mass Spectrometry/Tandem Mass Spectrometry.
PB92-188861/REB 92-01 PC **A03**/MF **A01**

THURNAU, R. C.
Behavior of Arsenic in a Rotary Kiln Incinerator (Journal Version).
PB92-179845/REB 92-01 PC **A02**/MF **A01**

THURSTON, G. D.
Acid Aerosol Measurement Methods: Studies of Extraction and Analytical Effects.
PB92-191154/REB 92-01 PC **A02**/MF **A01**

THURSTON, R. V.
Toxicity of Ammonia, Nitrite, and Nitrate to Fishes.
PB92-179142/REB 92-01 PC **A03**/MF **A01**

TICHENOR, B. A.
Comparison of Data from an IAQ Test House with Predictions of an IAQ Computer Model.
PB92-198589/REB 92-04 PC **A03**/MF **A01**

TIERNEY, E. J.
I/M Network Type: Effects on Emission Reductions, Cost, and Convenience. Technical Information Document.
PB92-104447/REB 92-01 PC **A04**/MF **A01**

Recommended I/M Short Test Procedures for the 1990's: Six Alternatives.
PB92-104439/REB 92-01 PC **A03**/MF **A01**

TILLMAN, J. W.
Achievements in Source Reduction and Recycling for Ten Industries in the United States.
PB92-137470/REB 92-01 PC **A04**/MF **A01**

TILSON, H. A.
Comparison of Screening Approaches, 1992.
PB92-189042/REB 92-01 PC **A03**/MF **A01**

Compensatory Alterations in Receptor-Stimulated Phosphoinositide Hydrolysis in the Hippocampus Vary as a Function of Dose of Colchicine.
PB92-110501/REB 92-01 PC **A02**/MF **A01**

Developmental Neurotoxicology of Polychlorinated Biphenyls and Related Compounds.
PB92-206549/REB 92-04 PC **A03**/MF **A01**

Effects of NGF and Fetal Cell Transplants on Spatial Learning after Intradentate Administration of Colchicine.
PB92-150770/REB 92-01 PC **A03**/MF **A01**

Neurobehavioral Toxicology. Chapter 2.
PB92-166347/REB 92-01 PC **A03**/MF **A01**

Neurobiological Effects of Colchicine: Modulation by Nerve Growth Factor.
PB92-158633/REB 92-01 PC **A03**/MF **A01**

Spatial Learning Deficits Are Not Solely Due to Cholinergic Deficits Following Medial Septal Lesions with Colchicine.
PB92-206317/REB 92-04 PC **A03**/MF **A01**

Study Design Considerations in Developmental Neurotoxicology.
PB92-206291/REB 92-04 PC **A02**/MF **A01**

TILTON, B.
Summary of Selected New Information on Effects of Ozone on Health and Vegetation: Supplement to 1986 Air Quality Criteria for Ozone and Other Photochemical Oxidants.
PB92-235670/REB 92-04 PC **A05**/MF **A02**

TIMOTHY, L. D.
Characteristics of Single Particle Coal Combustion.
PB92-121409/REB 92-01 PC **A02**/MF **A01**

TINGEY, D. T.
Adjusting Ambient Ozone Air Quality Indicators for Missing Values.
PB92-124155/REB 92-01 PC **A02**/MF **A01**

Air Pollution Effects on Biodiversity.
PB92-170166/REB 92-01 PC **A15**/MF **A03**

Potential Impacts of Climate Change on Pacific Northwest Forest Vegetation.
PB92-184985/REB 92-01 PC **A03**/MF **A01**

Summary of Selected New Information on Effects of Ozone on Health and Vegetation: Supplement to 1986 Air Quality Criteria for Ozone and Other Photochemical Oxidants.
PB92-235670/REB 92-04 PC **A05**/MF **A02**

TIREY, D. A.
Comparison of Organic Emissions from Laboratory and Full-Scale Thermal Degradation of Sewage Sludge.
PB92-136852/REB 92-01 PC **A03**/MF **A01**

TODD, W. F.
Evaluation of Alternative Samplers for Bioaerosols. Phase 1. Physical Sampling Efficiency.
PB92-161918/REB 92-01 PC **A04**/MF **A01**

Evaluation of Sampling Alternatives for Bioaerosols. Phase 2: Viable Microorganism Sampling Efficiency.
PB92-136183/REB 92-01 PC **A06**/MF **A02**

TOMSON, M. B.
Microbial Transport through Porpus Media: The Effects of Hydraulic Conductivity and Injection Velocity.
PB92-150465/REB 92-01 PC **A03**/MF **A01**

TOOLEY, J. J.
Radon Pressure Differential Project, Phase 1, Florida Radon Research Program.
PB92-148519/REB 92-01 PC **A04**/MF **A01**

TOPUDURTI, K.
Demonstration of Microfiltration Technology.
PB92-136936/REB 92-01 PC **A02**/MF **A01**

TOPUDURTI, K. V.
Applicability of UV/Oxidation Technologies to Treat Contaminated Groundwater.
PB92-126853/REB 92-01 PC **A03**/MF **A01**

TRANTER, M.
Acidic Episodes in Surface Waters in Europe.
PB92-188853/REB 92-01 PC **A03**/MF **A01**

TRAPP, S.
Modellierung und Simulation des Verhaltens von Umweltchemikalien in Boeden und Pflanzen (Modeling and Simulation of the Effect of (Environmental) Chemicals in Soil and in Plants).
PB92-143825/REB 92-01 PC **A02**/MF **A01**

TREE, D. R.
Design and Optimization of a Refrigeration System.
PB92-195973/REB 92-01 PC **A03**/MF **A01**

TROAST, R.
Superfund Soils Data Management System.
PB92-139476/REB 92-01 PC **A02**/MF **A01**

TROPP, R. J.
Meteorological and Site Influences Affecting the Comparison of Nephelometer and Photographic Determinations of Light Extinction at Rural Sites in the Eastern United States.
PB92-195999/REB 92-01 PC **A03**/MF **A01**

TRUPPI, L.
Role of Climate in Forest Monitoring and Assessment: A New England Example.
PB92-132885/REB 92-01 PC **A06**/MF **A02**

TRUSTY, C. D.
Multispectral Identification of Alkyl and Chloroalkyl Phosphates from an Industrial Effluent.
PB92-124353/REB 92-01 PC **A02**/MF **A01**

TRYPHONAS, H.
Effects of PCB (Aroclor (Trade Name) 1254) on Non-Specific Immune Parameters in Rhesus ('Macaca mulatta') Monkeys.
PB92-232867/REB 92-04 PC **A03**/MF **A01**

TSIRKUNOV, V. V.
Analysis of Long-Term and Seasonal River Water Quality Changes in Latvia.
PB92-232933/REB 92-04 PC **A03**/MF **A01**

TUDOR, L. G.
Cost-Effectiveness Analysis of Proposed Effluent Limitations Guidelines and Standards for the Pesticide Manufacturing Industry.
PB92-173525/REB 92-01 PC **A03**/MF **A01**

Economic Impact Analysis of Proposed Effluent Limitations Guidelines and Standards for the Pesticide Manufacturing Industry.
PB92-173533/REB 92-01 PC **A15**/MF **A03**

TUFTS, M.
Evaluation of VOC Emissions from Heated Roofing Asphalt.
PB92-115286/REB 92-01 PC **A04**/MF **A01**

TURCK, P.
Health Assessment Document for Talc.
PB92-239524/REB *92-04* PC **A04**/MF **A01**

TURNER, B. J.
Abundant Males in Populations of a Selfing Hermaphrodite Fish, 'Rivulus marmoratus', from Some Belize Cays.
PB92-195783/REB 92-01 PC **A02**/MF **A01**

TURNER, C. I.
Significance of Supernumerary Ribs in Rodent Developmental Toxicity Studies: Postnatal Persistence in Rats and Mice.
PB92-113299/REB 92-01 PC **A02**/MF **A01**

TURNER, D. P.
Climate Change and Isoprene Emissions from Vegetation.
PB92-153865/REB 92-01 PC **A03**/MF **A01**

Equilibrium-Analysis of Projected Climate Change Effects on the Global Soil Organic Matter Pool.
PB92-153022/REB 92-01 PC **A03**/MF **A01**

Global Carbon Cycle and Climate Change: Responses and Feedbacks from Below-Ground Systems.
PB92-121359/REB 92-01 PC **A03**/MF **A01**

Nutrient Leaching from Conifer Needles in Relation to Foliar Apoplast Cation Exchange Capacity.
PB92-153378/REB 92-01 PC **A02**/MF **A01**

TURNER, R. J.
Arsenic and Mercury Workshop on Removal, Recovery, Treatment and Disposal. Abstract Proceedings. Held in Alexandria, Virginia on August 17-20, 1992.
PB92-216944/REB 92-04 PC **A07**/MF **A02**

TURNER, R. R.
Acclimation of Aquatic Microbial Communities to Hg(II) and CH3Hg(+) in Polluted Freshwater Ponds.
PB92-129667/REB 92-01 PC **A03**/MF **A01**

Relationships of Hg(II) Volatilization from a Freshwater Pond to the Abundance of 'mer' Genes in the Gene Pool of the Indigenous Microbial Community.
PB92-129675/REB 92-01 PC **A03**/MF **A01**

TURNER, W.
Fuzzy Logic Control of AC Induction Motors.
PB92-180207/REB 92-01 PC **A02**/MF **A01**

TURPEN, S. L.
Copper Toxicity to Sperm, Embryos and Larvae of Topsmelt 'Atherinops affinis', with Notes on Induced Spawning.
PB92-129808/REB 92-01 PC **A03**/MF **A01**

USTIN, S. L.
Diurnal Water Relations of Walnut Trees: Implications for Remote Sensing.
PB92-144047/REB 92-01 PC **A03**/MF **A01**

UUTALA, A. J.
Assessing Trends in Fishery Resources and Lake Water Aluminum from Paleolimnological Analyses of Siliceous Algae.
PB92-180405/REB 92-01 PC **A03**/MF **A01**

UZIEL, M.
DNA Adduct Formation by 12 Chemicals with Populations Potentially Suitable for Molecular Epidemiological Studies.
PB92-227628/REB 92-04 PC **A04**/MF **A01**

VALENTINE, R. E.
Evaluation of Pilot ESP Performance with Elevated Loadings from Sorbent Injection Processes.
PB92-113117/REB 92-01 PC **A03**/MF **A01**

VAN BROEKHUIZEN, H. J.
Nutrient Leaching from Conifer Needles in Relation to Foliar Apoplast Cation Exchange Capacity.
PB92-153378/REB 92-01 PC **A02**/MF **A01**

VAN DE MEENT, D.
QSARs for Predicting Biotic and Abiotic Reductive Transformation Rate Constants of Halogenated Hydrocarbons in Anoxic Sediment Systems.
PB92-166792/REB 92-01 PC **A03**/MF **A01**

QSARs for Predicting Reductive Transformation Rate Constants of Halogenated Aromatic Hydrocarbons in Anoxic Sediment Systems.
PB92-166800/REB 92-01 PC **A03**/MF **A01**

Reductive Transformations of Halogenated Aromatic Hydrocarbons in Anaerobic Water-Sediment Systems: Kinetics, Mechanisms and Products.
PB92-166818/REB 92-01 PC **A03**/MF **A01**

VAN DER SLOOT, H.
Comparison of Solidification/Stabilization Processes for Treatment of Municipal Waste Combustion Residues. Part 2. Leaching Properties.
PB92-121201/REB 92-01 PC **A03**/MF **A01**

VAN EMON, J. M.
Superfund Innovative Technology Evaluation Program Demonstration Plan for Westinghouse Bio-Analytic Systems Pentachlorophenol Immunoassays.
PB92-170190/REB 92-01 PC **A08**/MF **A02**

Superfund Innovative Technology Evaluation (Site) Report for the Westinghouse Bio-Analytic Systems Pentachlorophenol (PCP) Immunoassays.
PB92-188713/REB 92-01 PC **A06**/MF **A02**

VAN GENUCHTEN, M. T.
RETC Code for Quantifying the Hydraulic Functions of Unsaturated Soils. Documentation.
PB92-119668/REB 92-01 PC **A05**/MF **A01**

VAN HOOK, W. A.
Vapor Pressures, Liquid Molar Volumes, Vapor Non-Idealities, and Critical Properties of Some Fluorinated Ethers: CF3OCF2OCF3, CF3OCF2CF2H, c-CF2CF2CF2O, CF3OCF2H, and CF3OCH3; and of CCl3F and CF2ClH.
PB92-179746/REB 92-01 PC **A03**/MF **A01**

VAN LOVEREN, H.
Assessment of Immunotoxicity with the Parasitic Infection Model 'Trichinella spiralis'.
PB92-232800/REB 92-04 PC **A03**/MF **A01**

VAN SICKLE, J.
Impacts of Climate Change on Rice Yield: Evaluation of the Efficacy of Different Modeling Approaches.
PB92-188754/REB *92-01* PC **A04**/MF **A01**

VANCE, G. F.
Forest Soil Response to Acid and Salt Additions of Sulfate. 1. Sulfur Constituents and Net Retention.
PB92-108182/REB 92-01 PC **A03**/MF **A01**

Forest Soil Response to Acid and Salt Additions of Sulfate: 2. Aluminum and Base Cations.
PB92-150549/REB 92-01 PC **A03**/MF **A01**

Forest Soil Response to Acid and Salt Additions of Sulfate: 3. Solubilization and Composition of Dissolved Organic Carbon.
PB92-150564/REB 92-01 PC **A03**/MF **A01**

Spodosol Cation Release and Buffering of Acidic Inputs.
PB92-150580/REB 92-01 PC **A02**/MF **A01**

Sulfate Retention and Cation Leaching of Forest Soils in Response to Acid Additions.
PB92-153394/REB 92-01 PC **A03**/MF **A01**

VANDENBERG, J. J.
Health Research to Support Risk Assessment.
PB92-188788/REB 92-01 PC **A03**/MF **A01**

VANDENBERGH, J. G.
Monitoring of the Estrous Cycle in the Laboratory Rodent by Vaginal Lavage.
PB92-179068/REB 92-01 PC **A03**/MF **A01**

Neuroendocrine Responses to Social Regulation of Puberty in the Female House Mouse.
PB92-179779/REB 92-01 PC **A03**/MF **A01**

VANDENBROOK, A.
Relationships of Hg(II) Volatilization from a Freshwater Pond to the Abundance of 'mer' Genes in the Gene Pool of the Indigenous Microbial Community.
PB92-129675/REB 92-01 PC **A03**/MF **A01**

VATAVUK, W. M.
QAQPS Control Cost Manual (Fourth Edition). Supplement 1.
PB92-137181/REB 92-01 PC **A05**/MF **A01**

VEITH, G. D.
Prediction of Octanol/Water Partition Coefficient (K sub ow) with Algorithmically Derived Variables.
PB92-217348/REB 92-04 PC **A02**/MF **A01**

VELASQUEZ, S. F.
Reference Guide to Odor Thresholds for Hazardous Air Pollutants Listed in the Clean Air Act Amendments of 1990.
PB92-239516/REB 92-04 PC **A05**/MF **A01**

VELLINO, A. N.
Predicting Chemical Reactivity by Computer.
PB92-124312/REB 92-01 PC **A03**/MF **A01**

VENEGAS, R. E.
Computational Studies of the 3-Dimensional Structure of Cyclopenta Polycyclic Aromatic Hydrocarbons Containing a Gulf Region.
PB92-150820/REB 92-01 PC **A03**/MF **A01**

VERBOOM, H. H.
QSARs for Predicting Biotic and Abiotic Reductive Transformation Rate Constants of Halogenated Hydrocarbons in Anoxic Sediment Systems.
PB92-166792/REB 92-01 PC **A03**/MF **A01**

*QSARs for Predicting Reductive Transformation Rate Con*stants of Halogenated Aromatic Hydrocarbons in Anoxic Sediment Systems.
PB92-166800/REB 92-01 PC **A03**/MF **A01**

VERONESI, B.
Gene Probe for PO Messenger RNA Used to Index Acrylamide Toxic Neuropathy in Rats.
PB92-143957/REB 92-01 PC **A03**/MF **A01**

Implementing 'In vitro' Models in the Hazard Identification and Risk Assessment Process.
PB92-188796/REB 92-01 PC **A03**/MF **A01**

In vitro Screening Batteries for Neurotoxicants (Journal Article).
PB92-206408/REB 92-04 PC **A03**/MF **A01**

Myelin Basic Protein-Messenger RNA (MBP-mRNA) Expression during Triethyltin-Induced Myelin Edema.
PB92-150861/REB *92-01* PC **A03**/MF **A01**

Triphenyl Phosphite-Induced Ultrastructural Changes in Bovine Adrenomedullary Chromaffin Cells.
PB92-209337/REB 92-04 PC **A03**/MF **A01**

VERSCHOOR, K. L.
Chemical Resistance of Geosynthetic Materials.
PB92-136928/REB 92-01 PC **A03**/MF **A01**

VERSPER, S. J.
Hydraulic Fracturing to Improve Nutrient and Oxygen Delivery for In situ Bioreclamation.
PB92-121334/REB 92-01 PC **A03**/MF **A01**

VERSTEEG, D. J.
Interspecies Comparisons of A/D Ratios: A/D Ratios Are Not Constant Across Species.
PB92-143965/REB 92-01 PC **A03**/MF **A01**

VICONOVIC, G.
Research and Development Efforts to Develop Improved Inventory Methodologies for Area Source Solvent Emissions.
PB92-126846/REB 92-01 PC **A03**/MF **A01**

VICTERY, W.
Reference Guide to Odor Thresholds for Hazardous Air Pollutants Listed in the Clean Air Act Amendments of 1990.
PB92-239516/REB 92-04 PC **A05**/MF **A01**

VIDIC, R. D.
GAC Adsorption of a Mixture of Natural Organic Matter and VOCs in the Presence and Absence of Molecular Oxygen.
PB92-153782/REB 92-01 PC **A03**/MF **A01**

VIEBROCK, H. J.
Fiscal Year 1991 Summary Report of NOAA Atmospheric Sciences Modeling Division Support to the U.S. Environmental Protection Agency.
PB92-217835/REB 92-04 PC **A05**/MF **A01**

VINING, I.
Marine Debris Survey Manual.
PB92-103456/REB 92-01 PC **A08**/MF **A02**

VO-DINH, T.
DNA Adduct Formation by 12 Chemicals with Populations Potentially Suitable for Molecular Epidemiological Studies.
PB92-227628/REB 92-04 PC **A04**/MF **A01**

VOCQUE, R. H.
Pilot-Scale Incineration of Contaminated Soil from the Purity Oil Sales and McColl Superfund Sites.
PB92-105857/REB 92-01 PC **A04**/MF **A01**

VOGT, R. F.
Interlaboratory Study of Cellular Fluorescence Intensity Measurements with Fluorescein-Labeled Microbead Standards.
PB92-153881/REB 92-01 PC **A03**/MF **A01**

Interlaboratory Study of Cellular Fluorescence Intensity Measurements with Fluorescein-Labeled Microbead Standards.
PB92-153899/REB 92-01 PC **A03**/MF **A01**

VOHLS, P. A.
Evaluation of Wetland Development and Waterbird Response at Elk Creek Wildlife Management Area, Lake Mills, Iowa, 1961 to 1990.
PB92-153386/REB 92-01 PC **A03**/MF **A01**

VOIT, M. M.
Hepatic Microsomal N-hydroxylation of Aniline and 4-chloroaniline by Rainbow Trout 'Onchorhyncus mykiss'.
PB92-227354/REB 92-04 PC **A03**/MF **A01**

VON BROOK, P.
Development of an Empirical Model of Methane Emissions from Landfills.
PB92-152875/REB 92-01 PC **A06**/MF **A02**

VON LEHMDEN, D.
Method 25: Determination of Total Gaseous Non-Methane Organic Emissions as Carbon from Stationary Sources.
PB92-113026/REB 92-01 PC **A07**/MF **A02**

VOS, J. G.
Assessment of Immunotoxicity with the Parasitic Infection Model 'Trichinella spiralis'.
PB92-232800/REB 92-04 PC **A03**/MF **A01**

VOSKUIL, T.
Vitrification Technologies for Treatment of Hazardous and Radioactive Waste.
PB92-201110/REB 92-04 PC **A05**/MF **A01**

VOYER, R. A.
Influence of Constant and Fluctuating Salinity on Responses of 'Mysidopsis bahia' Exposed to Cadmium in a Life-Cycle Test.
PB92-108042/REB 92-01 PC **A03**/MF **A01**

WACKER, J.
Information Integration for Environmental Monitoring and Assessment: An Annotated Bibliography.
PB92-227461/REB 92-04 PC **A03**/MF **A01**

WAGENET, R. J.
Bacterial Transport through Homogeneous Soil.
PB92-153329/REB 92-01 PC **A02**/MF **A01**

WAHL, G.
Pollution Prevention Opportunity Assessment Histology Laboratory Xylene Use, Fort Carson, Colorado.
PB92-228436/REB 92-04 PC **A05**/MF **A01**

Waste Minimization Opportunity Assessment: Scott Air Force Base.
PB92-105402/REB 92-01 PC **A06**/MF **A02**

WALKER, W. W.
Carcinoma of the Exocrine Pancreas in Medaka.
PB92-129782/REB 92-01 PC **A02**/MF **A01**

WALL, C. V.
Background Document for the Liquid Release Test: Single Laboratory Evaluation and 1988 Collaborative Study.
PB92-183201/REB 92-04 PC **A06**/MF **A02**

WALSH, D. B.
Indoor Air Pollutants from Unvented Kerosene Heater Emissions in Mobile Homes: Studies on Particles, Semivolatile Organics, Carbon Monoxide, and Mutagenicity.
PB92-113232/REB 92-01 PC **A02**/MF **A01**

WALSH, G. E.
Responses of Wetland Plants to Effluents in Water and Sediment.
PB92-129758/REB 92-01 PC **A02**/MF **A01**

Synthetic Substrata for Propagation and Testing of Soil and Sediment Organisms.
PB92-195676/REB 92-01 PC **A03**/MF **A01**

Use of Marsh Plants for Toxicity Testing of Water and Sediment.
PB92-195882/REB 92-01 PC **A03**/MF **A01**

WALTER, M. V.
Formation of Transconjugants on Plating Media Following 'In situ' Conjugation Experiments.
PB92-180330/REB 92-01 PC **A02**/MF **A01**

WALTON, J. J.
Tropospheric Nitrogen: The Influence of Anthropogenic Sources on Distribution and Deposition.
PB92-126937/REB 92-01 PC **A06**/MF **A02**

WANDER, J.
Degreasing System Pollution Prevention Evaluation.
PB92-139443/REB 92-01 PC **A03**/MF **A01**

WANDER, J. D.
Using a Flame Ionization Detector (FID) Continuously Measure Toxic Organic Vapors in a Paint Spray Booth.
PB92-198258/REB 92-01 PC **A03**/MF **A01**

WANG, B. H.
Vapor Pressures, Liquid Molar Volumes, Vapor Non-Idealities, and Critical Properties of Some Fluorinated Ethers: CF3OCF2OCF3, CF3OCF2CF2H, c-CF2CF2CF2O, CF3OCF2H, and CF3OCH3; and of CCl3F and CF2ClH.
PB92-179746/REB 92-01 PC **A03**/MF **A01**

WANG, P.
Fuzzy Logic Control of AC Induction Motors.
PB92-180207/REB 92-01 PC **A02**/MF **A01**

WANG, P. F.
Temperature and Conductivity Modeling for the Buffalo River.
PB92-206226/REB 92-04 PC **A03**/MF **A01**

WANG, S. C.
Capsule Report: Adipic Acid-Enhanced Lime/Limestone Test Results at the EPA Alkali Scrubbing Test Facility.
PB92-179944/REB 92-01 PC **A03**/MF **A01**

WANG, S. R.
90-Day Toxicity Study of Dichloroacetate in Dogs.
PB92-150853/REB 92-01 PC **A03**/MF **A01**

WANG, Z.
Cloning and Expression of a Lignin Peroxidase Gene from 'Streptomyces viridosporus' in 'Streptomyces lividans'.
PB92-180389/REB 92-01 PC **A03**/MF **A01**

WARD, D. A.
Summary Report for the National Atmospheric Deposition Program National Trends Network (NADP/NTN) Site Visitation Program.
PB92-219823/REB 92-04 PC **A06**/MF **A02**

Summary Report for the National Atmospheric Deposition Program/National Trends Network (NADP/NTN) Site Visitation Program for the Period October 1989 through September 1990.
PB92-217298/REB 92-04 PC **A05**/MF **A01**

WARNER-BARTNICK, A. L.
Characterization of Stress-Responsive Behavior in 'Pseudomonas aeruginosa' PAO: Isolation of Tn3-lacZYA Fusions with Novel Damage-Inducible (din) Promoters.
PB92-195718/REB 92-01 PC **A02**/MF **A01**

WARNER, J. R.
Assessing the Use of Known Mutagens to Calibrate the 'Salmonella typhimurium' Mutagenicity Assay. 2. With Exogenous Activation.
PB92-113273/REB 92-01 PC **A03**/MF **A01**

WARREN, S. H.
Effects of Operating Variables on PAH Emissions and Mutagenicity of Emissions from Woodstoves (Journal Article).
PB92-195809/REB 92-01 PC **A02**/MF **A01**

Evaluation of High Volume Particle Sampling and Sample Handling Protocols for Ambient Urban Air Mutagenicity Determinations.
PB92-188952/REB 92-01 PC **A02**/MF **A01**

WARREN, T. M.
Mixed-Species Colonization of Solid Surfaces in Laboratory Biofilms.
PB92-195692/REB 92-01 PC **A03**/MF **A01**

WARREN, W. G.
Statistical Methodology for Exploring Elevational Differences in Precipitation Chemistry.
PB92-144088/REB 92-01 PC **A03**/MF **A01**

WATERLAND, L. R.
Incineration Data on Arsenic and Lead Emissions.
PB92-179043/REB 92-01 PC **A03**/MF **A01**

Operations and Research at the U.S. EPA Incineration Research Facility: Annual Report for FY91.
PB92-239540/REB 92-04 PC **A06**/MF **A02**

Pilot-Scale Evaluation of the Thermal Stability POHC Incinerability Ranking.
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PB92-178953/REB 92-01 PC **A09**/MF **A03**

Trace Metal Fate in a Rotary Kiln Incinerator with an Ionizing Wet Scrubber (Journal Article).
PB92-110568/REB 92-01 PC **A02**/MF **A01**

WATERS, M. D.
Antimutagenicity Profiles of Some Natural Substances.
PB92-206382/REB 92-04 PC **A03**/MF **A01**

Characteristics of the U.S. EPA's Office of Pesticide Programs' Toxicity Information Databases.
PB92-188978/REB 92-01 PC **A02**/MF **A01**

Genetic Activity Profile Database.
PB92-189091/REB 92-01 PC **A02**/MF **A01**

Introduction and Summary. Genotoxicity and Carcinogenicity Databases: An Assessment of the Present Situation.
PB92-188986/REB 92-01 PC **A01**/MF **A01**

WATKINS, S.
Limited-Use Chemical Protective Clothing for EPA Superfund Activities.
PB92-143494/REB 92-01 PC **A03**/MF **A01**

WATTS, D. J.
Waste Reduction Activities and Options at a Printer of Forms and Supplies for the Legal Profession.
PB92-217496/REB 92-04 PC **A02**/MF **A01**

Waste Reduction Activities and Options for a Local Board of Education in New Jersey.
PB92-238476/REB 92-04 PC **A02**/MF **A01**

Waste Reduction Activities and Options for a Nuclear Powered Electrical Generating Station.
PB92-235654/REB 92-04 PC **A02**/MF **A01**

WATTS, R. R.
Analysis of Emissions from Residential Oil Furnaces.
PB92-195981/REB 92-01 PC **A03**/MF **A01**

Analysis of Emissions from Residential Oil Furnaces and Comparison with Woodstove Emissions.
PB92-195924/REB 92-01 PC **A03**/MF **A01**

Effects of Operating Variables on PAH Emissions and Mutagenicity of Emissions from Woodstoves (Journal Article).
PB92-195809/REB 92-01 PC **A02**/MF **A01**

Evaluation of High Volume Particle Sampling and Sample Handling Protocols for Ambient Urban Air Mutagenicity Determinations.
PB92-188952/REB 92-01 PC **A02**/MF **A01**

WAYNE, M. H.
Geomembrane Anchorage Behavior Using a Large Scale Pullout Apparatus.
PB92-217124/REB 92-04 PC **A03**/MF **A01**

WEATHERUP, N.
Abstracts of Selected Precious Metal Mines' Permits.
PB92-180090/REB 92-01 PC **A21**/MF **A04**

WEAVER, J. W.
Exposure Assessment Modeling for Hydrocarbon Spills into the Subsurface: Sensitivity to Soil Properties.
PB92-191147/REB 92-01 PC **A03**/MF **A01**

Modeling Contaminant Transport through Subsurface Systems.
PB92-179118/REB 92-01 PC **A03**/MF **A01**

WEBB, P. R.
Automotive and Heavy-Duty Engine Coolant Recycling by Filtration. Technology Evaluation Report.
PB92-126804/REB 92-01 PC **A05**/MF **A01**

WEBER, C. I.
Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms (Fourth Edition).
PB91-167650/REB 92-01 PC **A14**/MF **A03**

WEBER, D.
Effects of Sampling Design Parameters on Block Selection.
PB92-180314/REB 92-01 PC **A02**/MF **A01**

Evaluation and Comparison of Spatial Interpolators.
PB92-227446/REB 92-04 PC **A03**/MF **A01**

Probability of Plume Interception Using Conditional Simulation of Hydraulic Head and Inverse Modeling.
PB92-227404/REB 92-04 PC **A03**/MF **A01**

WEBER, D. E.
Responses of Wetland Plants to Effluents in Water and Sediment.
PB92-129758/REB 92-01 PC **A02**/MF **A01**

Synthetic Substrata for Propagation and Testing of Soil and Sediment Organisms.
PB92-195676/REB 92-01 PC **A03**/MF **A01**

Use of Marsh Plants for Toxicity Testing of Water and Sediment.
PB92-195882/REB 92-01 PC **A03**/MF **A01**

WEBER, E. J.
Estimation of Water Solubility and Octanol/Water Partition Coefficient of Hydrophobic Dyes. Part 1. Relationship between Solubility and Partition Coefficient.
PB92-124320/REB 92-01 PC **A03**/MF **A01**

WEBER, J. A.
Diurnal Water Relations of Walnut Trees: Implications for Remote Sensing.
PB92-144047/REB 92-01 PC **A03**/MF **A01**

WEIDEMANN, G. J.
Preparation and Regeneration of Protoplasts of 'Colletotrichum gloeosporioides' f. p. 'Aeschynomene'.
PB92-195734/REB 92-01 PC **A02**/MF **A01**

WEIL, C.
Fetal and Maternal Effects of Continual Exposure of Rats to 970-MHz Circularly-Polarized Microwaves.
PB92-227602/REB 92-04 PC **A03**/MF **A01**

WEINBERG, H. S.
Ozonation Byproducts: Identification of Bromohydrins from the Ozonation Natural Waters with Enhanced Bromide Levels.
PB92-232958/REB 92-04 PC **A02**/MF **A01**

WEISBERG, S. B.
Water Quality Model for a River Receiving Paper Mill Effluents and Conventional Sewage.
PB92-195643/REB 92-01 PC **A03**/MF **A01**

WELLER, M.
Evaluation of Wetland Development and Waterbird Response at Elk Creek Wildlife Management Area, Lake Mills, Iowa, 1961 to 1990.
PB92-153386/REB 92-01 PC **A03**/MF **A01**

WELSCH, F.
In vitro Teratology.
PB92-124700/REB 92-01 PC **A02**/MF **A01**

WENDT, J. O. L.
Novel Method of Reducing Transient Emissions from Rotary Kiln Incinerators through Modified Waste Packaging.
PB92-195932/REB 92-01 PC **A02**/MF **A01**

Trajectory and Incineration of Rogue Droplets in a Turbulent Diffusion Flame.
PB92-120450/REB 92-01 PC **A03**/MF **A01**

WENTWORTH, N. W.
Quality and Environmental Protection: The EPA QA Program.
PB92-143791/REB 92-01 PC **A02**/MF **A01**

WESSLING, R.
Ozone Decreases Spring Root Growth and Root Carbohydrate Content in Ponderosa Pine the Year Following Exposure.
PB92-144039/REB 92-01 PC **A02**/MF **A01**

WEST, C. C.
Surfactant-Enhanced Solubilization of Tetrachloroethylene and Degradation Products in Pump and Treat Remediation.
PB92-191121/REB 92-01 PC **A03**/MF **A01**

WESTALL, J. C.
Adsorption of Surfactants (Chapter 7).
PB92-143809/REB 92-01 PC **A03**/MF **A01**

WEVILL, S. L.
Manual for Non-CFC Aerosol Packaging: Conversion from CFC to Hydrocarbon Propellants.
PB92-101344/REB 92-01 PC **A10**/MF **A03**

WHITE, D.
Cartographic and Geometric Components of a Global Sampling Design for Environmental Monitoring.
PB92-217397/REB 92-04 PC **A03**/MF **A01**

Environmental Monitoring and Assessment Program (EMAP) Design Report.
PB92-103449/REB 92-01 PC **A04**/MF **A01**

Oregon, USA, Ecological Regions and Subregions for Water Quality Management.
PB92-180348/REB 92-01 PC **A03**/MF **A01**

WHITE, D. F.
Evaluation of the Chemical Resistance of Geotextiles, Geonet and Pipe.
PB92-170562/REB 92-01 PC **A05**/MF **A01**

WHITE, D. M.
Parametric Evaluation of Powdered Activated Carbon Injection for Control of Mercury Emissions from a Municipal Waste Combustor.
PB92-195940/REB 92-01 PC **A03**/MF **A01**

WHITE, J.
Child Lead Exposure Study, Leeds, Alabama.
PB92-123793/REB 92-01 PC **A05**/MF **A01**

WHITE, J. B.
Comparison of Data from an IAQ Test House with Predictions of an IAQ Computer Model.
PB92-198589/REB 92-04 PC **A03**/MF **A01**

WHITE, K. L.
Effects of PCB (Aroclor (Trade Name) 1254) on Non-Specific Immune Parameters in Rhesus ('Macaca mulatta') Monkeys.
PB92-232867/REB 92-04 PC **A03**/MF **A01**

WHITE, R. J.
Superfund Innovative Technology Evaluation Program Demonstration Plan for Westinghouse Bio-Analytic Systems Pentachlorophenol Immunoassays.
PB92-170190/REB 92-01 PC **A08**/MF **A02**

Superfund Innovative Technology Evaluation (Site) Report for the Westinghouse Bio-Analytic Systems Pentachlorophenol (PCP) Immunoassays.
PB92-188713/REB 92-01 PC **A06**/MF **A02**

WHITFIELD, J. K.
Using a Flame Ionization Detector (FID) Continuously Measure Toxic Organic Vapors in a Paint Spray Booth.
PB92-198258/REB 92-01 PC **A03**/MF **A01**

WHITING, J. R.
Distribution of Submerged Aquatic Vegetation in the Chesapeake Bay and Tributaries and Chincoteague Bay - 1990.
PB92-145366/REB 92-01 PC **A13**

WHITING, R. J.
Characteristics of the U.S. EPA's Office of Pesticide Programs' Toxicity Information Databases.
PB92-188978/REB 92-01 PC **A02**/MF **A01**

WHITMORE, R. W.
National Home and Garden Pesticide Use Survey Final Report. Executive Summary.
PB92-174739/REB 92-01 PC **A03**/MF **A01**

National Home and Garden Pesticide Use Survey. Final Report. Volume 1. Executive Summary, Results, and Recommendations.
PB92-174747/REB 92-01 PC **A16**/MF **A03**

National Home and Garden Pesticide Use Survey. Final Report. Volume 2. Survey Design, Implementation, and Analysis Methods.
PB92-174754/REB 92-01 PC **A07**/MF **A02**

WHITWORTH, W. E.
Pilot-Scale Evaluation of the Thermal Stability POHC Incinerability Ranking.
PB92-166966/REB 92-01 PC **A11**/MF **A03**

Pilot-Scale Incineration of PCB-Contaminated Sediments from the Hot Spot of the New Bedford Harbor Superfund Site.
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Pilot-Scale Incineration of PCB-Contaminated Sediments from the New Bedford Harbor Hot Spot Superfund Site.
PB92-178953/REB 92-01 PC **A09**/MF **A03**

WIEGEL, J.
Environmental Factors Correlated to Dichlorophenol Dechlorination in Anoxic Freshwater Sediments.
PB92-124346/REB 92-01 PC **A03**/MF **A01**

Reductive Dechlorination of Dichlorophenols in Anaerobic Pond Sediments (Chapter 13).
PB92-101708/REB 92-01 PC **A03**/MF **A01**

WIENER, R. W.
Numerical Calculation: Aspiration Efficiency of Aerosols into Thin-Walled Sampling Inlets.
PB92-132901/REB 92-01 PC **A06**/MF **A02**

WIESNER, M. R.
Microbial Transport through Porpus Media: The Effects of Hydraulic Conductivity and Injection Velocity.
PB92-150465/REB 92-01 PC **A03**/MF **A01**

WIGINGTON, P. J.
Acidic Episodes in Surface Waters in Europe.
PB92-188853/REB 92-01 PC **A03**/MF **A01**

WILBORN, D. C.
On-Site Methods for Assessing Chemical Impact on the Soil Environment Using Earthworms: A Case Study at the Baird and McGuire Superfund Site, Holbrook, Massachusetts.
PB92-108166/REB 92-01 PC **A03**/MF **A01**

WILCHER, L. S.
Development Document for Best Available Technology, Pretreatment Technology, and New Source Performance Technology for the Pesticide Chemical Industry. Proposed. (Pesticide Chemicals Manufacturing Category Effluent Limitations Guidelines, Pretreatment Standards, and New Source Performance Standards).
PB92-173541/REB 92-01 PC **A21**/MF **A04**

WILES, C.
Comparison of Five Solidification/Stabilization Processes for Treatment of Municipal Waste Combustion Residues. Part 1. Physical Testing.
PB92-121193/REB 92-01 PC **A03**/MF **A01**

Trace Elements, Leaching and Health Risks from Municipal Waste Combustion Ash.
PB92-153311/REB 92-01 PC **A03**/MF **A01**

WILES, C. C.
Comparison of Solidification/Stabilization Processes for Treatment of Municipal Waste Combustion Residues. Part 2. Leaching Properties.
PB92-121201/REB 92-01 PC **A03**/MF **A01**

Solidification/Stabilization: Is It Always Appropriate.
PB92-191188/REB 92-01 PC **A03**/MF **A01**

U.S. EPA Program for Evaluation of Treatment and Utilization Technologies for Municipal Waste Combustion Residues.
PB92-121185/REB 92-01 PC **A03**/MF **A01**

United States Environmental Protection Agency Municipal Waste Combustion Residue Solidification/Stabilization Evaluation Program.
PB92-121177/REB 92-01 PC **A03**/MF **A01**

WILKINS, M. C.
Evaluation of High Volume Particle Sampling and Sample Handling Protocols for Ambient Urban Air Mutagenicity Determinations.
PB92-188952/REB 92-01 PC **A02**/MF **A01**

WILLIAMS, D. E.
Induction of Cytochrome P-450-IA1 in Juvenile Fish by Creosote-Contaminated Sediment.
PB92-129790/REB 92-01 PC **A02**/MF **A01**

WILLIAMS, L. R.
International Symposium on Field Screening Methods for Hazardous Wastes and Toxic Chemicals (2nd), Proceedings. Held in Las Vegas, Nevada on February 12-14, 1991.
PB92-125764/REB 92-01 PC **A99**/MF **E08**

WILLIAMS, R.
Effect of Bioremediation on the Mutagenicity of Oil Spilled in Prince William Sound, Alaska.
PB92-206374/REB 92-04 PC **A02**/MF **A01**

Fractionation of Complex Combustion Mixtures Using an Ion-Exchange Methodology.
PB92-126887/REB 92-01 PC **A02**/MF **A01**

Oil Spill Clean Up.
PB92-110469/REB 92-01 PC **A01**/MF **A01**

Technical Guidance on Supplementary Stream Design Conditions for Steady State Modeling.
PB92-231844/REB 92-04 PC **A05**/MF **A01**

WILLIAMS, R. E.
Preliminary Data Summary for the Wood Preserving Segment of the Timber Products Processing Point Source Category.
PB92-232156/REB 92-04 PC **A07**/MF **A02**

WILLIAMS, R. W.
Indoor Air Pollutants from Unvented Kerosene Heater Emissions in Mobile Homes: Studies on Particles, Semivolatile Organics, Carbon Monoxide, and Mutagenicity.
PB92-113232/REB 92-01 PC **A02**/MF **A01**

WILLIAMS, W. C.
Comparative Immunosuppression of Various Glycol Ethers Orally Administered to Fisher 344 Rats.
PB92-195833/REB 92-01 PC **A02**/MF **A01**

Differences between Rats and Mice in the Immunosuppressive Activity of 2-Methoxyethanol and 2-Methoxyacetic Acid.
PB92-232974/REB 92-04 PC **A03**/MF **A01**

WILLIAMSON, A. D.
Development of Alternate Performance Standard for Radon Resistant Construction Based on Short-Term/Long-Term Indoor Radon Concentrations. Volume 1. Technical Report.
PB92-115211/REB 92-01 PC **A05**/MF **A01**

Development of Alternate Performance Standard for Radon Resistant Construction Based on Short-Term/Long-Term Indoor Radon Concentrations. Volume 2. Appendices.
PB92-115229/REB 92-01 PC **A04**/MF **A01**

Standard Measurement Protocols: Florida Radon Research Program.
PB92-115294/REB 92-01 PC **A06**/MF **A02**

WILLIAMSON, M.
Assessment of VOC Emissions and Their Control from Baker's Yeast Manufacturing Facilities.
PB92-145408/REB 92-01 PC **A04**/MF **A01**

WILMOTH, R. C.
Co-Existing with Asbestos: A Look at the Engineering Research Program of the U.S. Environmental Protection Agency.
PB92-139419/REB 92-01 PC **A03**/MF **A01**

Observations on Studies Useful to Asbestos Operations and Management Activities.
PB92-136860/REB 92-01 PC **A03**/MF **A01**

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PB92-144005/REB 92-01 PC **A03**/MF **A01**

Reductive Dechlorination of Trichloroethylene in Anoxic Aquifer Material from Picatinny Arsenal, New Jersey.
PB92-179019/REB 92-01 PC **A02**/MF **A01**

WILSON, G.
User's Guide for the Urban Airshed Model. Volume 4. User's Manual for the Emissions Preprocessor System 2.0. Part A: Core FORTRAN System.
PB92-226232/REB 92-04 PC **A19**/MF **A04**

WILSON, J. T.
Biotransformation of CIS-1,2-Dichloroethylene in Aquifer Material from Picatinny Arsenal, Morris County, New Jersey.
PB92-179100/REB 92-01 PC **A03**/MF **A01**

Biotransformation of Monoaromatic and Chlorinated Hydrocarbons at an Aviation Gasoline Spill Site.
PB92-144005/REB 92-01 PC **A03**/MF **A01**

Bioventing to Treat Fuel Spills from Underground Storage Tanks.
PB92-121342/REB 92-01 PC **A02**/MF **A01**

Effect of Nitrate Addition on Biorestoration of Fuel-Contaminated Aquifer: Field Demonstration.
PB92-110444/REB 92-01 PC **A03**/MF **A01**

Laboratory and Field Studies on BTEX Biodegradation in a Fuel-Contaminated Aquifer under Denitrifying Conditions.
PB92-121227/REB 92-01 PC **A03**/MF **A01**

Microbial Transport through Porpus Media: The Effects of Hydraulic Conductivity and Injection Velocity.
PB92-150465/REB 92-01 PC **A03**/MF **A01**

Reductive Dechlorination of Trichloroethylene in Anoxic Aquifer Material from Picatinny Arsenal, New Jersey.
PB92-179019/REB 92-01 PC **A02**/MF **A01**

WILSON, K. N.
Teratogenesis, Toxicity, and Bioconcentration in Frogs Exposed to Dieldrin.
PB92-180363/REB 92-01 PC **A03**/MF **A01**

WILSON, L. L.
Hierarchical Stochastic Model of Large-Scale Atmospheric Circulation Patterns and Multiple Station Daily Precipitation.
PB92-217421/REB 92-04 PC **A03**

WILSON, N. K.
Evaluation of Gas Chromatography/Matrix Isolation Infrared Spectrometry for the Determination of Semivolatile Organic Compounds in Air Sample Extracts.
PB92-166651/REB 92-01 PC **A03**/MF **A01**

Polycyclic Aromatic Hydrocarbons and Their Derivatives in Indoor and Outdoor Air in an Eight-Home Study.
PB92-166701/REB 92-01 PC **A03**/MF **A01**

Sampling Polycyclic Aromatic Hydrocarbons and Related Semivolatile Organic Compounds in Indoor Air.
PB92-198274/REB 92-04 PC **A03**/MF **A01**

WILTSHIRE, P.
Organic Contract Compliance Screening System. Software for the PC (SOW March 1990, Version 1). User Manual.
PB92-145572/REB 92-01 PC **A08**/MF **A02**

WINBERRY, W. T.
Canister-Based Method for Monitoring Toxic VOCs in Ambient Air.
PB92-206432/REB 92-04 PC **A03**/MF **A01**

WINJUM, J. K.
Assessment of Promising Forest Management Practices and Technologies for Enhancing the Conservation and Sequestration of Atmospheric Carbon and Their Costs at the Site Level.
PB92-122787/REB 92-01 PC **A08**/MF **A02**

Global Assessment of Promising Forest Management Practices for Sequestration of Carbon.
PB92-153006/REB 92-01 PC **A03**/MF **A01**

Proceedings of the International Workshop on Large-Scale Reforestation. Held in Corvallis, Oregon on May 9-10, 1990.
PB92-109131/REB 92-01 PC **A08**/MF **A02**

What Is the Potential of Forest Management to Slow the Increase of Atmospheric CO2.
PB92-180249/REB 92-01 PC **A03**/MF **A01**

WINKLER, J. D.
Liquid and Gaseous Fuel Distribution System.
PB92-115203/REB 92-01 PC **A03**/MF **A01**

WINSLOW, M. G.
Quality Assurance Project Plan for the National Pesticide Survey of Drinking Water Wells: Analytical Method 5 - Methyl Carbamates.
PB92-168541/REB 92-04 PC **A06**/MF **A02**

WINSOR, M.
Computerized Risk and Bioaccumulation System (Version 1.0).
PB92-114164/REB 92-01 PC **A03**/MF **A01**

WINSTEAD, J. T.
Ovarian Mycosis in the Topsmelt 'Atherinops affinis'.
PB92-129691/REB 92-01 PC **A01**/MF **A01**

WISE, P. L.
Dealing with Toxic Polluted Sediments in the Great Lakes Basin.
AD-P006 908/8/REB 92-04 PC **A03**/MF **A01**

WISE, R. F.
Volumetric Leak Detection in Large Underground Storage Tanks. Volume 1.
PB92-114966/REB 92-01 PC **A05**/MF **A01**

Volumetric Leak Detection in Large Underground Storage Tanks. Volume 2. Appendices A through E.
PB92-114974/REB 92-01 PC **A05**/MF **A01**

WISE, S. A.
Standard Reference Materials for Chemical and Biological Studies of Complex Environmental Samples.
PB92-150705/REB 92-01 PC **A03**/MF **A01**

WISSMAR, R. C.
Monitoring Guidelines to Evaluate Effects of Forestry Activities on Streams in the Pacific Northwest and Alaska.
PB92-104520/REB 92-01 PC **A09**/MF **A02**

WOERNLE, C.
Child Lead Exposure Study, Leeds, Alabama.
PB92-123793/REB 92-01 PC **A05**/MF **A01**

WOLCOTT, M. A.
Quality Review Guidelines for 1990 Base Year Emission Inventories.
PB92-224435/REB 92-04 PC **A12**/MF **A03**

WOLF, D. C.
Sorption of Heavy Metals by the Soil Fungi 'Aspergillus niger' and Mucor rouxii.
PB92-179811/REB 92-01 PC **A02**/MF **A01**

WOLF, G.
Contaminants and Remedial Options at Wood Preserving Sites.
PB92-232222/REB 92-04 PC **A07**/MF **A02**

Potential Reuse of Petroleum-Contaminated Soil: A Directory of Permitted Recycling Facilities.
PB92-173780/REB 92-04 PC **A03**/MF **A01**

WOLF, S. H.
Evaluation of Hydraulic Conductivities Calculated from Multiport-Permeameter Measurements.
PB92-144013/REB 92-01 PC **A03**/MF **A01**

Techniques to Determine Spatial Variations in Hydraulic Conductivity of Sand and Gravel.
PB92-109123/REB 92-01 PC **A03**/MF **A01**

WOLFE, D. W.
Development of a National Consensus Standard for Quality Assurance for Environmental Programs.
PB92-143783/REB 92-01 PC **A03**/MF **A01**

WOLFE, G. W.
Subacute and Subchronic Oral Toxicity of 1,3-Dichloropropane in the Rat.
PB92-164912/REB 92-01 PC **A03**/MF **A01**

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Abiotic Transformations of Pesticides in Natural Waters and Sediments.
PB92-150481/REB 92-01 PC **A03**/MF **A01**

New Perspectives in Aquatic Redox Chemistry: Abiotic Transformations of Pollutants in Groundwater and Sediments.
PB92-166628/REB 92-01 PC **A03**/MF **A01**

WOOD, E. F.
Land-Surface Hydrology Parameterization with Subgrid Variability for General Circulation Models.
PB92-217447/REB 92-04 PC **A03**/MF **A01**

WOOD, W.
Toxicity Equivalency Factors for PCBs.
PB92-113349/REB 92-01 PC **A03**/MF **A01**

WOODBURY, M. A.
Assessment of Spatial Variation of Risks in Small Populations.
PB92-188903/REB 92-01 PC **A03**/MF **A01**

WOOSLEY, L. H.
Application of Dye-Tracing Techniques for Determining Solute-Transport Characteristics of Ground Water in Karst Terranes.
PB92-231356/REB 92-04 PC **A06**/MF **A02**

WYANT, J. G.
Alaska North Slope Oil-Field Restoration Research Strategy.
PB92-151653/REB 92-01 PC **A04**/MF **A01**

YANKASKAS, J.
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PB92-209352/REB 92-04 PC **A02**/MF **A01**

YAP, D.
Mercury Deposition and Sources for the Upper Great Lakes Region.
PB92-120500/REB 92-01 PC **A03**/MF **A01**

YATES, M. V.
Model of Virus Transport in Unsaturated Soil.
PB92-119957/REB 92-01 PC **A07**/MF **A02**

YATES, S. R.
Model of Virus Transport in Unsaturated Soil.
PB92-119957/REB 92-01 PC **A07**/MF **A02**

RETC Code for Quantifying the Hydraulic Functions of Unsaturated Soils. Documentation.
PB92-119668/REB 92-01 PC **A05**/MF **A01**

YEH, G. T.
Optimal Adaptive Local Grid Refinement Approach to Modeling Contaminant Transport.
PB92-217314/REB 92-04 PC **A03**/MF **A01**

YEN, C. P. C.
Fate of Commercial Disperse Dyes in Sediments.
PB92-101401/REB 92-01 PC **A03**/MF **A01**

YIN, L. B.
Comparison of SIMCA Pattern Recognition and Library Search Identification of Hazardous Compounds from Mass Spectra.
PB92-227362/REB 92-04 PC **A03**/MF **A01**

YORK, R. G.
Comparative Subchronic Toxicity Studies of Three Disinfectants.
PB92-164920/REB 92-01 PC **A03**/MF **A01**

YOUNG, J.
Regional Oxidant Model (ROM) User's Guide. Part 4: The ROM System User Tutorial (Processor Network and Core Model).
PB92-120872/REB 92-01 PC **A10**/MF **A03**

YOUNG, J. C.
Assessing Toxicity of Organic Chemicals to Anaerobic Treatment Processes.
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EPA-68-01-7075
Research Triangle Inst., Research Triangle Park, NC.
PB92-183201/REB 92-04 PC **A06**/MF **A02**

EPA-68-01-7176
Computer Sciences Corp., Research Triangle Park, NC.
PB92-108786/REB 92-01 PC **A15**/MF **A03**
PB92-108794/REB 92-01 PC **A15**/MF **A03**

EPA-68-01-7325
General Sciences Corp., Laurel, MD.
PB92-140789/REB 92-01 PC **A05**/MF **A01**

EPA-68-01-7365
Computer Sciences Corp., Research Triangle Park, NC.
PB92-120872/REB 92-01 PC **A10**/MF **A03**
PB92-145382/REB 92-01 PC **A06**/MF **A02**
Computer Sciences Corp., Research Triangle Park, NC. Applied Technology Div.
PB92-190263/REB 92-01 PC **A05**/MF **A01**
National Oceanic and Atmospheric Administration, Research Triangle Park, NC. Atmospheric Sciences Modeling Div.
PB92-152966/REB 92-01 PC **A02**/MF **A01**

EPA-68-01-7389
ICF Technology, Inc., Fairfax, VA.
PB92-101435/REB 92-01 PC **A14**/MF **A03**

EPA-68-02-3114
Bechtel Corp., San Francisco, CA.
PB92-179944/REB 92-01 PC **A03**/MF **A01**

EPA-68-02-3365
Environmental Protection Agency, Research Triangle Park, NC. Air and Energy Engineering Research Lab.
PB92-180868/REB 92-01 PC **A03**/MF **A01**

EPA-68-02-3891
Midwest Research Inst., Cary, NC.
PB92-152834/REB 92-01 PC **A05**/MF **A01**
PB92-152867/REB 92-01 PC **A15**/MF **A03**

EPA-68-02-3988
Energy and Environmental Research Corp., Durham, NC.
PB92-120450/REB 92-01 PC **A03**/MF **A01**

EPA-68-02-4000
Babcock and Wilcox Co., Barberton, OH.
PB92-201136/REB 92-04 PC **A10**/MF **A03**

EPA-68-02-4073
National Research Council, Washington, DC. Board on Toxicology and Environmental Health Hazards.
PB92-223262/REB 92-04 PC **A15**/MF **A03**

EPA-68-02-4127
Battelle, Columbus, OH.
PB92-166701/REB 92-01 PC **A03**/MF **A01**
PB92-198274/REB 92-04 PC **A03**/MF **A01**

EPA-68-02-4201
Acurex Corp., Research Triangle Park, NC.
PB92-206598/REB 92-04 PC **A03**/MF **A01**

EPA-68-02-4247
Energy and Environmental Research Corp., Durham, NC.
PB92-120450/REB 92-01 PC **A03**/MF **A01**

EPA-68-02-4252
Midwest Research Inst., Kansas City, MO.
PB92-136837/REB 92-01 PC **A08**/MF **A02**
PB92-180157/REB 92-01 PC **A12**/MF **A03**

EPA-68-02-4277
Environmental Health Research and Testing, Inc., Research Triangle Park, NC.
PB92-195809/REB 92-01 PC **A02**/MF **A01**

EPA-68-02-4284
IT Corp., Cincinnati, OH.
PB92-226448/REB 92-04 PC **A10**/MF **A03**
PEI Associates, Inc., Cincinnati, OH.
AD-A242 110/5/REB 92-01 PC **A06**/MF **A02**

EPA-68-02-4286
Iowa State Univ., Ames. Engineering Research Inst.
PB92-106913/REB 92-01 PC **A03**/MF **A01**

EPA-68-02-4294
Chesson Consulting, Washington, DC.
PB92-191113/REB 92-01 PC **A04**/MF **A01**

EPA-68-02-4378
Radian Corp., Research Triangle Park, NC.
PB92-137181/REB 92-01 PC **A05**/MF **A01**

EPA-68-02-4379
Midwest Research Inst., Cary, NC.
PB92-132828/REB 92-01 PC **A07**/MF **A02**

EPA-68-02-4392
Radian Corp., Research Triangle Park, NC.
PB92-112176/REB 92-01 PC **A18**/MF **A04**

EPA-68-02-4400
Pechan (E.H.) and Associates, Inc., Durham, NC.
PB92-216910/REB 92-04 PC **A04**/MF **A01**

EPA-68-02-4442
Entropy Environmentalists, Inc., Research Triangle Park, NC.
PB92-151554/REB 92-01 PC **A04**/MF **A01**
PB92-151620/REB 92-01 PC **A08**/MF **A02**

EPA-68-02-4443
Environmental Health Research and Testing, Inc., Research Triangle Park, NC.
PB92-126887/REB 92-01 PC **A02**/MF **A01**

EPA-68-02-4444
NSI Technology Services Corp., Research Triangle Park, NC.
PB92-125749/REB 92-01 PC **A08**/MF **A02**

EPA-68-02-4450
Duke Univ. Medical Center, Durham, NC. Div. of Allergy, Critical Care, and Respiratory Medicine.
PB92-227420/REB 92-04 PC **A03**/MF **A01**
Health and Welfare Canada, Ottawa (Ontario). Health Protection Branch.
PB92-232867/REB 92-04 PC **A03**/MF **A01**
Health Effects Research Lab., Research Triangle Park, NC. Developmental Toxicology Div.
PB92-150804/REB 92-01 PC **A02**/MF **A01**
Johns Hopkins Univ., Baltimore, MD. School of Hygiene and Public Health.
PB92-166321/REB 92-01 PC **A03**/MF **A01**
ManTech Environmental Technology, Inc., Research Triangle Park, NC.
PB92-120468/REB 92-01 PC **A02**/MF **A01**
PB92-120476/REB 92-01 PC **A03**/MF **A01**
PB92-124684/REB 92-01 PC **A03**/MF **A01**
PB92-143866/REB 92-01 PC **A03**/MF **A01**
PB92-143908/REB 92-01 PC **A03**/MF **A01**
PB92-150754/REB 92-01 PC **A03**/MF **A01**
PB92-164862/REB 92-01 PC **A02**/MF **A01**
PB92-165000/REB 92-01 PC **A03**/MF **A01**
PB92-188945/REB 92-01 PC **A03**/MF **A01**
PB92-189059/REB 92-01 PC **A02**/MF **A01**
PB92-206416/REB 92-04 PC **A02**/MF **A01**
PB92-232826/REB 92-04 PC **A03**/MF **A01**
National Toxicology Program, Research Triangle Park, NC.
PB92-195825/REB 92-01 PC **A02**/MF **A01**
New York Univ. Medical Center, Tuxedo Park. Inst. of Environmental Medicine.
PB92-124650/REB 92-01 PC **A03**/MF **A01**

North Carolina State Univ. at Raleigh. Dept. of Zoology.
PB92-179068/REB 92-01 PC A03/MF A01

Northrop Services, Inc., Research Triangle Park, NC.
PB92-124676/REB 92-01 PC A02/MF A01

NSI, Inc., Research Triangle Park, NC.
PB92-233006/REB 92-04 PC A03/MF A01

NSI Technology Services Corp., Research Triangle Park, NC.
PB92-124601/REB 92-01 PC A03/MF A01

PB92-164854/REB 92-01 PC A03/MF A01

PB92-179779/REB 92-01 PC A03/MF A01

PB92-179787/REB 92-01 PC A03/MF A01

PB92-227545/REB 92-04 PC A02/MF A01

Paris-11 Univ., Chatenay-Malabry (France). Lab. de Toxicologie.
PB92-232859/REB 92-04 PC A02/MF A01

EPA-68-02-4456
Environmental Health Research and Testing, Inc., Research Triangle Park, NC.
PB92-110493/REB 92-01 PC A02/MF A01

PB92-113315/REB 92-01 PC A02/MF A01

PB92-120484/REB 92-01 PC A02/MF A01

PB92-124627/REB 92-01 PC A01/MF A01

PB92-126887/REB 92-01 PC A02/MF A01

PB92-150762/REB 92-01 PC A02/MF A01

PB92-188952/REB 92-01 PC A02/MF A01

PB92-227438/REB 92-04 PC A03/MF A01

Kentucky Univ., Lexington.
PB92-150739/REB 92-01 PC A02/MF A01

National Cancer Inst., Bethesda, MD. Div. of Cancer Etiology.
PB92-206358/REB 92-04 PC A03/MF A01

EPA-68-02-4462
Entropy Environmentalists, Inc., Research Triangle Park, NC.
PB92-151638/REB 92-01 PC A99/MF A06

EPA-68-02-4465
Alliance Technologies Corp., Lowell, MA.
PB92-132836/REB 92-01 PC A07/MF A02

EPA-68-02-4466
International Technology Corp., Durham, NC.
PB92-171917/REB 92-01 PC A04/MF A01

EPA-68-02-4548
Battelle, Columbus, OH.
PB92-152958/REB 92-01 PC A06/MF A02

Fraunhofer-Gesellschaft zur Foerderung der Angewandten Forschung e.V., Garmisch-Partenkirchen (Germany, F.R.). Inst. fuer Atmosphaerische Umweltforschung.
PB92-158492/REB 92-01 PC A02/MF A01

EPA-68-02-4550
Entropy Environmentalists, Inc., Research Triangle Park, NC.
PB92-101336/REB 92-01 PC A06/MF A02

Research Triangle Inst., Research Triangle Park, NC.
PB92-114172/REB 92-01 PC A03/MF A01

PB92-114180/REB 92-01 PC A04/MF A01

PB92-188812/REB 92-01 PC A03/MF A01

Research Triangle Inst., Research Triangle Park, NC. Center for Environmental Measurements and Quality Assurance.
PB92-192178/REB 92-01 PC A03/MF A01

EPA-68-02-4701
Acurex Corp., Research Triangle Park, NC.
PB92-121383/REB 92-01 PC A02/MF A01

PB92-124270/REB 92-01 PC A02/MF A01

EPA-68-03-0033
Foster Wheeler Enviresponse, Inc., Edison, NJ.
PB92-114537/REB 92-01 PC A08/MF A02

EPA-68-03-0355
AScI Corp., Athens, GA.
PB92-164490/REB 92-01 PC A05/MF A01

EPA-68-03-3131
Limno-Tech, Inc., Ann Arbor, MI.
PB92-231570/REB 92-04 PC A05

EPA-68-03-3236
Science Applications International Corp., Narragansett, RI.
PB92-108059/REB 92-01 PC A03/MF A01

EPA-68-03-3249
Lockheed Engineering and Sciences Co., Inc., Las Vegas, NV.
PB92-170190/REB 92-01 PC A08/MF A02

Lockheed Engineering and Sciences Co., Inc., Las Vegas, NV. Environmental Programs Office.
PB92-188713/REB 92-01 PC A06/MF A02

EPA-68-03-3253
Research Triangle Inst., Research Triangle Park, NC.
PB92-146166/REB 92-01 PC A13/MF A03

EPA-68-03-3255
Foster Wheeler Enviresponse, Inc., Edison, NJ.
PB92-191170/REB 92-01 PC A03/MF A01

Foster Wheeler Enviresponse, Inc., Livingston, NJ.
PB92-188838/REB 92-01 PC A02/MF A01

EPA-68-03-3266
HDR Engineering, Inc., Irvine, CA.
PB92-141290/REB 92-01 PC A15/MF A03

EPA-68-03-3293
Little (Arthur D.), Inc., Cambridge, MA.
PB92-143494/REB 92-01 PC A03/MF A01

PB92-206895/REB 92-04 PC A05/MF A01

EPA-68-03-3312
Keely (Joseph F.), Portland, OR.
PB92-114461/REB 92-01 PC A03/MF A01

EPA-68-03-3346
Dayton Univ., OH. Research Inst.
PB92-136852/REB 92-01 PC A03/MF A01

IT Environmental Programs, Inc., Cincinnati, OH.
PB92-227453/REB 92-04 PC A03/MF A01

EPA-68-03-3365
Energy and Environmental Research Corp., Irvine, CA.
PB92-125418/REB 92-01 PC A06/MF A02

EPA-68-03-3389
APS-Materials, Inc., Dayton, OH.
PB92-179886/REB 92-01 PC A03/MF A01

IT Environmental Programs, Inc., Cincinnati, OH.
PB92-125756/REB 92-01 PC A04/MF A01

EPA-68-03-3409
Camp, Dresser and McKee, Inc., Cambridge, MA.
PB92-114552/REB 92-01 PC A16/MF A03

PB92-124239/REB 92-01 PC A02/MF A01

PB92-161199/REB 92-01 PC A04/MF A01

PB92-226430/REB 92-04 PC A05/MF A01

CDM Federal Programs Corp., Fairfax, VA.
PB92-139476/REB 92-01 PC A02/MF A01

Vista Research, Inc., Mountain View, CA.
PB92-114966/REB 92-01 PC A05/MF A01

PB92-114974/REB 92-01 PC A05/MF A01

PB92-207687/REB 92-04 PC A04/MF A01

EPA-68-03-3413
PEI Associates, Inc., Cincinnati, OH.
PB92-109081/REB 92-01 PC A03/MF A01

EPA-68-03-3417
Dynamac Corp., Rockville, MD.
PB92-189315/REB 92-01 PC A10/MF A03

EPA-68-03-3439
ManTech Environmental Technology International, Inc., Corvallis, OR.
PB92-217397/REB 92-04 PC A03/MF A01

EPA-68-03-3485
Science Applications International Corp., McLean, VA.
PB92-115310/REB 92-01 PC A13/MF A03

PB92-115328/REB 92-01 PC A17/MF A04

PB92-115336/REB 92-01 PC A15/MF A03

Science Applications International Corp., Paramus, NJ.
PB91-227983/REB 92-01 PC A04/MF A01

PB92-110048/REB 92-01 PC A06/MF A02

PB92-115245/REB 92-01 PC A04/MF A01

EPA-68-03-3490
PEER Consultants, Inc., Dayton, OH.
PB92-137512/REB 92-01 PC A08/MF A02

EPA-68-03-3513
AQUA TERRA Consultants, Mountain View, CA.
PB92-109115/REB 92-01 PC A05/MF A01

EPA-68-03-3526
Pathology Associates, Inc., West Chester, OH.
PB92-232990/REB 92-04 PC A03/MF A01

EPA-68-03-3529
Science Applications International Corp., Narragansett, RI.
PB92-108026/REB 92-01 PC A02/MF A01

PB92-108059/REB 92-01 PC A03/MF A01

EPA-68-03-3534
Battelle, Arlington, VA.
PB92-231489/REB 92-04 PC A07/MF A02

EPA-68-03-3551
AScI Corp., Athens, GA.
PB92-206226/REB 92-04 PC A03/MF A01

EPA-68-03 3638
JT and A, Inc., Washington, DC.
PB92-231828/REB 92-04 PC A12/MF A03

EPA-68-03-4006
IT Environmental Programs, Inc., Cincinnati, OH.
PB92-113208/REB 92-01 PC A02/MF A01

EPA-68-03-4008
Hazleton Labs. America, Inc., Rockville, MD.
PB92-164912/REB 92-01 PC A03/MF A01

EPA-68-03-4140
Dynamac Corp., Rockville, MD.
PB92-166834/REB 92-01 PC A03/MF A01

PB92-239524/REB 92-04 PC A04/MF A01

EPA-68-03-6304
Williams (Philip) and Associates, San Francisco, CA.
PB92-188879/REB 92-01 PC A03/MF A01

EPA-68-08-0014
Radian Corp., Research Triangle Park, NC.
PB92-110022/REB 92-01 PC A13/MF A03

EPA-68-09-0131
Acurex Environmental Corp., Research Triangle Park, NC.
PB92-217371/REB 92-04 PC A03/MF A01

EPA-68-C0-0001
Technology Applications, Inc., Cincinnati, OH.
PB92-114487/REB 92-01 PC A07/MF A02

EPA-68-C0-0003
Battelle, Columbus, OH.
PB92-213206/REB 92-04 PC A08/MF A02

PB92-232214/REB 92-04 PC A04/MF A01

EPA-68-C0-0021
ManTech Environmental Technology, Inc., Corvallis, OR.
PB92-113463/REB 92-01 PC A13/MF A03

PB92-137975/REB 92-01 PC A11/MF A03

EPA-68-C0-0027
Pacific Environmental Services, Inc., Herndon, VA.
PB92-197086/REB 92-04 PC A05/MF A01

PB92-197094/REB 92-04 PC A16/MF A03

EPA-68-C0-0047
PRC Environmental Management, Inc., Chicago, IL.
PB92-119023/REB 92-01 PC A04/MF A01

PB92-213214/REB 92-04 PC A04/MF A01

PRC Environmental Management, Inc., Cincinnati, OH.
PB92-217462/REB 92-04 PC A11/MF A03

Versar, Inc., Springfield, VA.
PB92-139401/REB 92-01 PC A02/MF A01

EPA-68-C0-0048
Science Applications International Corp., Cincinnati, OH.
PB92-222215/REB 92-04 PC A06/MF A02

PB92-222223/REB 92-04 PC A15/MF A03

Science Applications International Corp., San Diego, CA.
PB92-216035/REB 92-04 PC A09/MF A02

PB92-216043/REB 92-04 PC A15/MF A03

PB92-218791/REB 92-04 PC A04/MF A01

EPA-68-C0-0049
Lockheed Engineering and Sciences Co., Inc., Las Vegas, NV.
PB92-192186/REB 92-01 PC A02/MF A01

Lockheed Engineering and Sciences Co., Inc., Las Vegas, NV. Environmental Programs Office.
PB92-146158/REB 92-01 PC A13/MF A03

EPA-68-C0-0050
Lockheed Engineering and Sciences Co., Inc., Las Vegas, NV. Environmental Programs Office.
PB92-169358/REB 92-01 PC A04/MF A01

EPA-68-C0-0051
American Scientific International, Inc., McLean, VA.
PB92-108018/REB 92-01 PC A03/MF A01

EPA-68-C0-0094
Energy and Environmental Research Corp., Irvine, CA.
PB92-150432/REB 92-01 PC A02/MF A01

EPA-68-C1-0005
Science Applications International Corp., Narragansett, RI.
PB92-108026/REB 92-01 PC A02/MF A01

PB92-108034/REB 92-01 PC A02/MF A01

EPA-68-C1-0024
Technology Applications, Inc., Athens, GA.
PB92-153816/REB 92-01 PC A02/MF A01

EPA-68-C8-001
Pacific Environmental Services, Inc., Durham, NC.
PB92-135904/REB 92-01 PC A04/MF A01

EPA-68-C8-0006
ManTech Environmental Technology, Inc., Corvallis, OR.
PB92-103449/REB 92-01 PC A04/MF A01

PB92-105659/REB 92-01 PC A08/MF A02

PB92-113000/REB 92-01 PC A09/MF A03

PB92-113463/REB 92-01 PC A13/MF A03

PB92-116045/REB 92-01 PC A06/MF A02

PB92-122761/REB 92-01 PC A11/MF A03

PB92-136811/REB 92-01 PC A04/MF A01

PB92-137975/REB 92-01 PC A11/MF A03

PB92-153022/REB 92-01 PC A03/MF A01

PB92-180249/REB 92-01 PC A03/MF A01

PB92-180256/REB 92-01 PC A03/MF A01

PB92-184985/REB 92-01 PC A03/MF A01

PB92-188754/REB 92-01 PC A04/MF A01

PB92-217488/REB 92-04 PC A03/MF A01

PB92-232883/REB 92-04 PC A03/MF A01

PB92-232891/REB 92-04 PC A03/MF A01

PB92-232917/REB 92-04 PC A03/MF A01

ManTech Environmental Technology, Inc., Research Triangle Park, NC.
PB92-178987/REB 92-01 PC A03/MF A01

ManTech Environmental Technology International, Inc., Corvallis, OR.
PB92-217397/REB 92-04 PC A03/MF A01

NSI Technology Services Corp., Corvallis, OR.
PB92-144070/REB 92-01 PC **A02**/MF **A01**

NSI Technology Services Corp., Corvallis, OR. Environmental Research Lab.
PB92-113224/REB 92-01 PC **A02**/MF **A01**

Queen's Univ., Kingston (Ontario). Paleoecological Environmental Assessment and Research Lab.
PB92-180371/REB 92-01 PC **A03**/MF **A01**

EPA-68-C8-0010
ECOS, Inc., Landover, MD.
PB92-112101/REB 92-01 PC **A10**/MF **A03**

EPA-68-C8-0025
ManTech Environmental Technology, Inc., Ada, OK.
PB92-110436/REB 92-01 PC **A02**/MF **A01**

PB92-113190/REB 92-01 PC **A02**/MF **A01**

EPA-68-C8-0036
Eastern Research Group, Inc., Arlington, MA.
PB92-114529/REB 92-01 PC **A05**/MF **A02**

Environmental Protection Agency, Washington, DC. Office of Health and Environmental Assessment.
PB92-166826/REB 92-01 PC **A05**/MF **A01**

EPA-68-C8-0052
JT and A, Inc., Washington, DC.
PB92-231810/REB 92-04 PC **A11**/MF **A03**

EPA-68-C8-0061
Science Applications International Corp., Cincinnati, OH.
PB92-105402/REB 92-01 PC **A06**/MF **A02**

PB92-109065/REB 92-01 PC **A03**/MF **A01**

PB92-109073/REB 92-01 PC **A02**/MF **A01**

PB92-119940/REB 92-01 PC **A10**/MF **A03**

PB92-170570/REB 92-01 PC **A03**/MF **A01**

PB92-170588/REB 92-01 PC **A02**/MF **A01**

EPA-68-C8-0062
Science Applications International Corp., Cincinnati, OH.
PB92-137470/REB 92-01 PC **A04**/MF **A01**

PB92-224088/REB 92-04 PC **A02**/MF **A01**

PB92-226436/REB 92-04 PC **A05**/MF **A01**

PB92-239581/REB 92-04 PC **A03**/MF **A01**

PB92-239599/REB 92-04 PC **A02**/MF **A01**

Science Applications International Corp., Falls Church, VA.
PB92-109099/REB 92-01 PC **A03**/MF **A01**

Science Applications International Corp., Fort Washington, PA.
PB92-216944/REB 92-04 PC **A07**/MF **A02**

Science Applications International Corp., Paramus, NJ.
PB91-220376/REB 92-01 PC **A04**/MF **A01**

Science Applications International Corp., San Diego, CA.
PB92-222041/REB 92-04 PC **A09**/MF **A03**

PB92-222207/REB 92-04 PC **A05**/MF **A01**

EPA-68-C8-0082
Pathology Associates, Inc., West Chester, OH.
PB92-232990/REB 92-04 PC **A03**/MF **A01**

EPA-68-C9-0019
Viar and Co., Alexandria, VA. Environmental Services Div.
PB92-190289/REB 92-01 PC **A99**/MF **E08**

EPA-68-C9-0031
Cincinnati Univ., OH.
PB92-121334/REB 92-01 PC **A03**/MF **A01**

EPA-68-C9-0033
Alabama Univ. in Birmingham. Dept. of Civil Engineering.
PB92-158559/REB 92-01 PC **A03**/MF **A01**

PB92-217074/REB 92-04 PC **A02**/MF **A01**

Foster Wheeler Enviresponse, Inc., Edison, NJ.
PB92-150416/REB 92-01 PC **A03**/MF **A01**

PB92-169382/REB 92-04 PC **A06**/MF **A02**

PB92-173780/REB 92-04 PC **A03**/MF **A01**

PB92-227388/REB 92-04 PC **A03**/MF **A01**

PB92-232222/REB 92-04 PC **A07**/MF **A02**

EPA-68-C9-0036
IT Corp., Sharonville, OH.
PB92-231307/REB 92-04 PC **A05**/MF **A01**

IT Environmental Programs, Inc., Cincinnati, OH.
PB92-216936/REB 92-04 PC **A07**/MF **A02**

PB92-227339/REB 92-04 PC **A03**/MF **A01**

EPA-68-C9-0037
Little (Arthur D.), Inc., Cambridge, MA.
PB92-105691/REB 92-01 PC **A03**/MF **A01**

PB92-153915/REB 92-01 PC **A02**/MF **A01**

PB92-164797/REB 92-01 PC **A06**/MF **A02**

PB92-227396/REB 92-04 PC **A03**/MF **A01**

EPA-68-C9-0038
Acurex Corp., Jefferson, AR.
PB92-105857/REB 92-01 PC **A04**/MF **A01**

PB92-110568/REB 92-01 PC **A02**/MF **A01**

PB92-179845/REB 92-01 PC **A02**/MF **A01**

Acurex Corp., Jefferson, AR. Incineration Research Facility.
PB92-178953/REB 92-01 PC **A09**/MF **A03**

PB92-227321/REB 92-04 PC **A02**/MF **A01**

Acurex Corp., Mountain View, CA. Environmental Systems Div.
PB92-166966/REB 92-01 PC **A11**/MF **A03**

PB92-239540/REB 92-04 PC **A06**/MF **A02**

Kennesaw State Coll., Marietta, GA.
PB92-179043/REB 92-01 PC **A03**/MF **A01**

EPA-68C-00049
Lockheed Engineering and Sciences Co., Inc., Las Vegas, NV.
PB92-124734/REB 92-01 PC **A02**/MF **A01**

EPA-68-CO-0003
Battelle Columbus Div., OH.
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Comparative Acute Sensitivity of Larval Topsmelt, 'Atherinops affinis', and Inland Silverside, 'Menidia beryllina', to 11 Chemicals.
PB92-195668/REB 92-01 PC **A02**/MF **A01**

CONTRIB-721
Bench-Scale Evaluation of Alternative Biological Treatment Processes for the Remediation of Pentachlorophenol- and Creosote-Contaminated Materials: Slurry-Phase Bioremediation.
PB92-129683/REB 92-01 PC **A02**/MF **A01**

CONTRIB-722
Bench-Scale Evaluation of Alternative Biological Treatment Processes for the Remediation of Pentachlorophenol- and Creosote-Contaminated Materials: Solid-Phase Bioremediation.
PB92-129725/REB 92-01 PC **A03**/MF **A01**

CONTRIB-724
Reproductive Ecology of the Inland Silverside, 'Menidia beryllina', (Pisces: Atherinidae) from Blackwater Bay, Florida.
PB92-195775/REB 92-01 PC **A03**/MF **A01**

CONTRIB-728
Biodegradation of Creosote and Pentachlorophenol in Contaminated Groundwater: Chemical and Biological Assessment.
PB92-129659/REB 92-01 PC **A03**/MF **A01**

CONTRIB-730
Mutants of 'Pseudomonas cepacia' G4 Defective in Catabolism of Aromatic Compounds and Trichloroethylene.
PB92-129741/REB 92-01 PC **A02**/MF **A01**

CONTRIB-732
Detoxification of Pentachlorophenol and Creosote Contaminated Groundwater by Physical Extraction: Chemical and Biological Assessment.
PB92-129733/REB 92-01 PC **A02**/MF **A01**

CT-160-04A
Evaluation of Alternative Samplers for Bioaerosols. Phase 1. Physical Sampling Efficiency.
PB92-161918/REB 92-01 PC **A04**/MF **A01**

CT-160-08
Evaluation of Sampling Alternatives for Bioaerosols. Phase 2: Viable Microorganism Sampling Efficiency.
PB92-136183/REB 92-01 PC **A06**/MF **A02**

DCN-91-203-099-26-15
NATICH Data Base Report on State, Local and EPA Air Toxics Activities, September 1991.
PB92-143700/REB 92-01 PC **A99**/MF **A06**

DCN-91-203-099-37-06
National Air Toxics Information Clearinghouse: Bibliography of Selected Reports and Federal Register Notices Related to Air Toxics. Volume 5. Citations, 1991.
PB92-111830/REB 92-01 PC **A10**/MF **A03**

DCN-91-203-099-37-07
National Air Toxics Information Clearinghouse: Ongoing Research and Regulatory Development Projects.
PB92-111905/REB 92-01 PC **A10**/MF **A03**

DCN-91-203-099-37-08
National Air Toxics Information Clearinghouse: Bibliography of Selected Reports and Federal Register Notices Related to Air Toxics. Index, 1991.
PB92-111913/REB 92-01 PC **A21**/MF **A04**

DE91017051/REB
Aerial radiological survey of Pocatello and Soda Springs, Idaho and surrounding area, June-July 1986.
DE91017051/REB 92-01 PC **A03**/MF **A01**

DE92004878/REB
Compendium of CERCLA ARARs fact sheets and directives.
DE92004878/REB 92-01 PC **A12**/MF **A03**

DE92010386/REB
Offsite environmental monitoring report: Radiation monitoring around United States nuclear test areas. Calendar year 1990.
DE92010386/REB 92-04 PC **A09**/MF **A02**

DE92614732/REB
Determination of alpha-emitting nuclides of plutonium, americium and curium in environmental materials: Pt. 1. Sea water.
DE92614732/REB 92-01 PC **A03**/MF **A01**

DOE/DP/00539-063
Offsite environmental monitoring report: Radiation monitoring around United States nuclear test areas. Calendar year 1990.
DE92010386/REB 92-04 PC **A09**/MF **A02**

ECAO-CIN-D003
Drinking Water Criteria Document for Beryllium.
PB92-173301/REB 92-01 PC **A08**/MF **A02**

ECAO-CIN-D007
Drinking Water Criteria Document for Hexachlorocyclopentadiene.
PB92-173418/REB 92-01 PC **A06**/MF **A02**

ECAO-CIN-D009
Drinking Water Criteria Document for Phthalic Acid Esters (PAES).
PB92-173442/REB 92-01 PC **A14**/MF **A03**

ECAO-CIN-D010
Drinking Water Criteria Document for Polycyclic Aromatic Hydrocarbons (PAHs).
PB92-173459/REB 92-01 PC **A20**/MF **A04**

ECAO-CIN-D012
Drinking Water Criteria Document for Trichlorobenzenes.
PB92-173491/REB 92-01 PC **A05**/MF **A01**

ECAO-CIN-242
Drinking Water Criteria Document for Hexachlorobenzene.
PB92-173400/REB 92-01 PC **A10**/MF **A03**

ECAO-CIN-423
Drinking Water Criteria Document for Endrin.
PB92-173384/REB 92-01 PC **A10**/MF **A03**

ECAO-CIN-442
Drinking Water Criteria Document for Cyanide.
PB92-173319/REB 92-01 PC **A08**/MF **A02**

ECAO-CIN-443
Drinking Water Quantification of Toxicologic Effects for Nickel.
PB92-173426/REB 92-01 PC **A05**/MF **A01**

ECAO-R-0082-VOL-1
Air Quality Criteria for Oxides of Nitrogen. Volume 1.
PB92-176361/REB 92-01 PC **A20**/MF **A04**

ECAO-R-0082-VOL-2
Air Quality Criteria for Oxides of Nitrogen. Volume 2.
PB92-176379/REB 92-01 PC **A99**/MF **A06**

ECAO-R-0082-VOL-3
Air Quality Criteria for Oxides of Nitrogen. Volume 3.
PB92-176387/REB 92-01 PC **A23**/MF **A04**

ECAO-R-0314
Indoor Air Assessment: A Review of Indoor Air Quality Risk Characterization Studies.
PB92-109107/REB 92-01 PC **A06**/MF **A02**

ECAO-R-0367
Health Assessment Document for Talc.
PB92-239524/REB 92-04 PC **A04**/MF **A01**

ECAO-R-0397
Reference Guide to Odor Thresholds for Hazardous Air Pollutants Listed in the Clean Air Act Amendments of 1990.
PB92-239516/REB 92-04 PC **A05**/MF **A01**

ECAO-R-0516
Indoor Air-Assessment: An Inventory of Indoor Air Quality Research in the United States: 1989-1990.
PB92-114545/REB 92-01 PC **A10**/MF **A03**

EGG-10617-1148
Aerial radiological survey of Pocatello and Soda Springs, Idaho and surrounding area, June-July 1986.
DE91017051/REB 92-01 PC **A03**/MF **A01**

EPA/AA/CD/CPSB-92/01
Effects of RVP on Emissions at 20F Ambient Temperature.
PB92-143684/REB 92-01 PC **A03**/MF **A01**

EPA/AA/CTAB-91/04
Evaluation of a Kemira Oy Resistively Heated Catalyst on a Methanol-Fueled Vehicle.
PB92-104397/REB 92-01 PC **A03**/MF **A01**

EPA/AA/CTAB-91/05
Evaluation of a Schatz Heat Battery on a Flexible-Fueled Vehicle.
PB92-114255/REB 92-01 PC **A03**/MF **A01**

EPA/AA/CTAB-91/06
Evaluation of a Vehicle Equipped with a Direct Injection Engine Using Neat Methanol.
PB92-118009/REB 92-01 PC **A03**/MF **A01**

EPA/AA/CTAB-92/01
Evaluation of Research Prototype Vehicles Equipped with Direct Injection Two-Stroke Cycle Engines.
PB92-143692/REB 92-01 PC **A03**/MF **A01**

EPA/AA/TDG-92/03
Evaluation of a Schatz Heat Battery on a Flexible-Fueled Vehicle. Phase 2.
PB92-204585/REB 92-04 PC **A03**/MF **A01**

EPA/AA/TDG-92/05
Natural Gas Vehicle Challenge: EPA Emissions and Fuel Economy Testing, 1992.
PB92-217926/REB 92-04 PC **A04**/MF **A01**

EPA/AA/TEB/EF-90/4
Fuel Volatility Effects on Exhaust Emissions.
PB92-110014/REB 92-01 PC **A03**/MF **A01**

EPA/AA/TEB-91/02
Emissions and Fuel Economy Effects of the Platinum Gasaver, a Retrofit Device.
PB92-104421/REB 92-01 PC **A03**/MF **A01**

EPA/AA/TEB-511/91/01
Second EPA Evaluation of the Platinum Gasaver Device under Section 511 of the Motor Vehicle Information and Cost Savings Act (Updated).
PB92-104413/REB 92-01 PC **A03**/MF **A01**

EPA/AA/TSS/IM-89/2
I/M Network Type: Effects on Emission Reductions, Cost, and Convenience. Technical Information Document.
PB92-104447/REB 92-01 PC **A04**/MF **A01**

EPA/AA/TSS/IM-90/1
Integrating On-Board Diagnostic System Capabilities into the Inspection and Repair Functions of I/M Programs.
PB92-104454/REB 92-01 PC **A03**/MF **A01**

EPA/AA/TSS/IM-90-3
Recommended I/M Short Test Procedures for the 1990's: Six Alternatives.
PB92-104439/REB 92-01 PC **A03**/MF **A01**

EPA/AA/TSS-91/1
IM240 Transient I/M Dynamometer Driving Schedule and the Composite I/M Test Procedure.
PB92-104405/REB 92-01 PC **A03**/MF **A01**

EPA/DF/CD-92/001
Toxic Release Inventory (TRI) 1987-1989, (on CD-ROM).
PB92-500024/REB 92-01 CD-ROM$45.00

EPA/DF/DK-92/016
Volatile Organic Compound and Particulate Matter (VOC/PM) Speciation Data Base Management System (SPECIATE), Version 1.4 (for Microcomputers).
PB92-500354/REB 92-01 CP **D02**

EPA/DF/DK-92/025
National Acid Precipitation Assessment Program (NAPAP) Emissions Inventory, 1985 (Version 2). Development of the Annual Data and Modelers' (for Microcomputers).
PB92-501139/REB 92-01 CP **D04**

EPA/DF/DK-92/035
Consolidated List of Chemical Subject to Reporting under the Emergency Planning and Community Right to Know Act. SARA Section 302 Extremely Hazardous Substances, CERCL Hazardous Substances and SARA Section 313 Toxic Chemicals (Title III, List of Lists) (for Microcomputers).
PB92-501774/REB 92-01 CP **D02**

EPA/DF/DK-92/035A
Consolidated List of Chemicals Subject to Reporting under the Emergency Planning and Community Right-to-Know Act. (Title III of the Superfund Amendments and Reauthorization Act of 1986).
PB92-155399/REB 92-01 PC **A04**/MF **A01**

EPA/DF/DK-92/040
Roadmaps to Sources of Information on Chemicals Listed in the Emergency Planning Community and Community Right-to-Know Act (Also Known as SARA Title 3), Section 313. Toxic Release Inventory (for Microcomputers).
PB92-501972/REB 92-01 CP **D04**

EPA/DF/DK-92/040A
EPCRA Section 313 Roadmaps Database. User's Manual. (Version 2.2) (for Microcomputers).
PB92-169523/REB 92-01 PC **A05**/MF **A01**

EPA/DF/DK-92/045
Fish Communities in Lakes in Subregion 2B (Upper Peninsula of Michigan) in Relation to Lake Acidity. Volume 1 and Volume 2: Appendices. Data Tape Documentation.
PB92-169630/REB 92-04 PC **A11**/MF **A03**
Fish and Chemistry Data for the Upper Peninsula of Michigan Report (for Microcomputers).
PB92-503085/REB 92-04 CP **D02**

EPA/DF/DK-92/049
Staten Island/New Jersey Urban Air Toxics Assessment Project. Quarterly and Summary Data (for Microcomputers). October 1987-March 1991.
PB92-504174/REB 92-04 CP **D02**

EPA/DF/DK-92/052
General Information on Applying for Registration of Pesticides in the United States. Second Edition (for Microcomputers).
PB92-504356/REB 92-04 CP **D02**

EPA/DF/MT-92/019
Aquatic Toxicity Information Retrieval Data Base (ACQUIRE).
PB92-500453/REB 92-01 CP **T02**

EPA/DF/MT-92/020
Aquqtic Toxicity Information on VAX VMS Backup (ACQUIRE for VMS).
PB92-500479/REB 92-01 CP **T02**

EPA/DF/MT-92/027
Toxic Substances Control Act (TSCA) Chemical Substances Inventory: Revised Inventory Synonym and Preferred Name File, January 1992.
PB92-501386/REB 92-01 CP **T05**

EPA/DF/MT-92/027A
Toxic Substances Control Act (TSCA) Chemical Substances Inventory: Revised Inventory Synonym and Preferred Name File. January 1992 Magnetic Tape Documentation.
PB92-140755/REB 92-01 PC **A03**/MF **A01**

EPA/DF/MT-92/029
Resource Conservation and Recovery Information System (RCRIS) Extract Tape.
PB92-592290/REB 92-01 CP **T01**

EPA/DF/MT-92/036
Toxic Release Inventory (TRI), 1990.
PB92-501816/REB 92-01 CP **T14**

EPA/DF/MT-92/042
Enforcement Document Retrieval System (EDRS) Update File (November 14, 1991 to April 22, 1992).
PB92-592390/REB 92-01 CP **T99**

EPA/IMSD-91/010
EPA Journal Holdings Report, 1991.
PB92-132810/REB 92-01 PC **A12**/MF **A03**

EPA/IMSD-91/014
INFOTERRA/USA Directory of Environmental Sources.
PB92-102433/REB 92-01 PC **A20**/MF **A04**

EPA/ROD/R01-85/064
Superfund Record of Decision (EPA Region 1): Western Sand and Gravel, RI. (Second Remedial Action), September 1985.
PB92-183284/REB 92-04 PC **A04**/MF **A01**

EPA/ROD/R01-91/053
Superfund Record of Decision (EPA Region 1): Union Chemical, South Hope, ME. (First Remedial Action), December 1990.
PB92-963703/REB 92-01 PC **A13**/MF **A03**

EPA/ROD/R01-91/054
Superfund Record of Decision (EPA Region 1): Mottolo Pig Farm, Raymond, NH. (First Remedial Action), March 1991.
PB92-963705/REB 92-01 PC **A08**/MF **A02**

EPA/ROD/R01-91/055
Superfund Record of Decision (EPA Region 1): Western Sand and Gravel Site, Burrillville and North Smithfield, RI. (Third Remedial Action), April 1991.
PB92-963701/REB 92-01 PC **A11**/MF **A03**

EPA/ROD/R01-91/057
Superfund Record of Decision (EPA Region 1): Iron Horse Park, Billerica, MA. (Second Remedial Action), June 1991.
PB92-963707/REB 92-04 PC **A12**/MF **A03**

EPA/ROD/R01-91/058
Superfund Record of Decision (EPA Region 1): Groveland Wells, Operable Unit 1, Groveland, MA. (Second Remedial Action), September 1991.
PB92-963710/REB 92-04 PC **A11**/MF **A03**

EPA/ROD/R01-91/059
Superfund Record of Decision (EPA Region 1): Savage Municipal Water Supply, Milford, NH. (First Remedial Action), September 1991.
PB92-963706/REB 92-04 PC **A14**/MF **A03**

EPA/ROD/R01-91/061
Superfund Record of Decision (EPA Region 1): Silresim Chemical, MA. (First Remedial Action), September 1991.
PB92-963709/REB 92-04 PC **A13**/MF **A03**

EPA/ROD/R01-91/062
Superfund Record of Decision (EPA Region 1): Dover Municipal Landfill, Dover, NH. (First Remedial Action), September 1991.
PB92-963702/REB 92-01 PC **A13**/MF **A03**

EPA/ROD/R01-91/063
Superfund Record of Decision (EPA Region 1): Sullivan's Ledge Superfund Site, Middle Marsh Operable Unit, New Bedford, MA. (First Remedial Action), September 1991.
PB92-963708/REB 92-04 PC **A13**/MF **A03**

EPA/ROD/R02-90/140
Superfund Record of Decision (EPA Region 2): Hooker Chemical S-Area, Niagara Falls, NY. (First Remedial Action), September 1990.
PB92-963812/REB 92-04 PC **A15**/MF **A03**

EPA/ROD/R02-91/131
Superfund Record of Decision (EPA Region 2): General Motors/Central Foundry Division Site, St. Lawrence County, Massena, NY. (First Remedial Action), December 1990.
PB92-963818/REB 92-04 PC **A10**/MF **A03**

EPA/ROD/R02-91/132
Superfund Record of Decision (EPA Region 2): Naval Air Engineering Center (Operable Unit 1), Lakehurst, NJ. (First Remedial Action), February 1991.
PB92-963808/REB 92-01 PC **A04**/MF **A01**

EPA/ROD/R02-91/133
Superfund Record of Decision (EPA Region 2): Naval Air Engineering Center, (Operable Unit 2), Lakehurst, NJ. (Second Remedial Action), February 1991.
PB92-963810/REB 92-01 PC **A04**/MF **A01**

EPA/ROD/R02-91/134
Superfund Record of Decision (EPA Region 2): C and J Disposal Site, Town of Eaton, Madison County, NY. (First Remedial Action), March 1991.
PB92-963801/REB 92-01 PC **A06**/MF **A02**

EPA/ROD/R02-91/135
Superfund Record of Decision (EPA Region 2): Colesville Municipal Landfill Site, Town of Colesville, Broome County, NY. (First Remedial Action), March 1991.
PB92-963822/REB 92-04 PC **A12**/MF **A03**

EPA/ROD/R02-91/136
Superfund Record of Decision (EPA Region 2): Conklin Dumps, Broome County, Conklin, NY. (First Remedial Action), March 1991.
PB92-963824/REB 92-04 PC **A07**/MF **A02**

EPA/ROD/R02-91/137
Superfund Record of Decision (EPA Region 2): Endicott Village Wellfield, Broome County, Endicott, NY. (Second Remedial Action), March 1991.
PB92-963802/REB 92-01 PC **A04**/MF **A01**

EPA/ROD/R02-91/138
Superfund Record of Decision (EPA Region 2): Circuitron Corporation, East Farmingdale, Suffolk County, NY. (First Remedial Action), March 1991.
PB92-963830/REB 92-04 PC **A05**/MF **A01**

EPA/ROD/R02-91/141
Superfund Record of Decision (EPA Region 2): Warwick Landfill, Town of Warwick, Orange County, NY. (First Remedial Action), June 1991.
PB92-963826/REB 92-04 PC **A06**/MF **A02**

EPA/ROD/R02-91/142
Superfund Record of Decision (EPA Region 2): Genzale Plating Company, Franklin Square, Nassau County, NY. (First Remedial Action), March 1991.
PB92-963803/REB 92-01 PC **A05**/MF **A01**

EPA/ROD/R02-91/143
Superfund Record of Decision (EPA Region 2): Curcio Scrap Metal, Bergen County, Saddle Brook, NJ. (First Remedial Action), June 1991.
PB92-963825/REB 92-04 PC **A06**/MF **A02**

EPA/ROD/R02-91/144
Superfund Record of Decision (EPA Region 2): Mattiace Petrochemicals Co., Inc., Nassau County, Glen Cove, NY. (Second Remedial Action), June 1991.
PB92-963807/REB 92-04 PC **A06**/MF **A02**

EPA/ROD/R02-91/145
Superfund Record of Decision (EPA Region 2): Nascolite Corporation, Doris Avenue, Cities of Millville and Vineland, Cumberland County, NJ. (Second Remedial Action), June 1991.
PB92-963817/REB 92-04 PC **A07**/MF **A02**

EPA/ROD/R02-91/146
Superfund Record of Decision (EPA Region 2): Applied Environmental Services Site, Glenwood Landing, Nassau County, NY. (First Remedial Action), June 1991.
PB92-963823/REB 92-04 PC **A05**/MF **A01**

EPA/ROD/R02-91/147
Superfund Record of Decision (EPA Region 2): Global Landfill, Middlesex County, NJ. (First Remedial Action), October 1991.
PB92-963804/REB 92-01 PC **A08**/MF **A02**

EPA/ROD/R02-91/148
Superfund Record of Decision (EPA Region 2): Garden State Cleaners, Buena Borough, Atlantic County, NJ. (First Remedial Action), September 1991.
PB92-963834/REB 92-04 PC **A04**/MF **A01**

EPA/ROD/R02-91/150
Superfund Record of Decision (EPA Region 2): White Chemical Corporation, Essex County, Newark, NJ. (First Remedial Action), September 1991.
PB92-963829/REB 92-04 PC **A03**/MF **A01**

EPA/ROD/R02-91/151
Superfund Record of Decision: Roebling Steel Company, Florence Township, Burlington County, NJ. (Second Remedial Action), September 1991.
PB92-963814/REB 92-04 PC **A04**/MF **A01**

EPA/ROD/R02-91/153
Superfund Record of Decision (EPA Region 2): Upper Deerfield Township Sanitary Landfill, Upper Deerfield Township, Cumberland County, NJ. (First Remedial Action), September 1991.
PB92-963816/REB 92-04 PC **A03**/MF **A01**

EPA/ROD/R02-91/154
Superfund Record of Decision (EPA Region 2): Waldick Aerospace Devices, Wall Township, Monmouth County, NJ. (Second Remedial Action), March 1991.
PB92-963815/REB 92-04 PC **A04**/MF **A01**

EPA/ROD/R02-91/155
Superfund Record of Decision (EPA Region 2): Fibers Public Supply Wells, Guayama, PR. (First Remedial Action), September 1991.
PB92-963828/REB 92-04 PC **A06**/MF **A02**

EPA/ROD/R02-91/156
Superfund Record of Decision (EPA Region 2): Juncos Landfill, Juncos, PR. (First Remedial Action), September 1991.
PB92-963831/REB 92-04 PC **A05**/MF **A02**

EPA/ROD/R02-91/157
Superfund Record of Decision (EPA Region 2): Naval Air Engineering Center, (Operable Unit 4), Lakehurst, NJ. (Third Remedial Action), September 1991.
PB92-963832/REB 92-04 PC **A04**/MF **A01**

EPA/ROD/R02-91/158
Superfund Record of Decision (EPA Region 2): Swope Oil and Chemical Company, Pennsauken Township, Camden County, NJ. (Second Remedial Action), September 1991.
PB92-963833/REB 92-04 PC **A07**/MF **A02**

EPA/ROD/R02-91/159
Superfund Record of Decision (EPA Region 2): Chemsol, Inc., Piscataway, Middlesex County, NJ. (First Remedial Action), September 1991.
PB92-963811/REB 92-01 PC **A04**/MF **A01**

EPA/ROD/R02-91/160
Superfund Record of Decision (EPA Region 2): Hertel Landfill, Town of Plattekill, Ulster County, NY. (First Remedial Action), September 1991.
PB92-963821/REB 92-04 PC **A05**/MF **A01**

EPA/ROD/R02-91/162
Superfund Record of Decision (EPA Region 2): NL Industries, Salem County, Pedricktown, NJ. (First Remedial Action), September 1991.
PB92-963813/REB 92-04 PC **A07**/MF **A02**

EPA/ROD/R02-091/163
Superfund Record of Decision (EPA Region 2): Asbestos Dump, New Vernon Road and White Bridge Road Sites, Passaic Township, Meyersville, NJ. (Second Remedial Action), September 1991.
PB92-963809/REB 92-01 PC **A04**/MF **A01**

EPA/ROD/R02-91/164
Superfund Record of Decision (EPA Region 2): Frontera Creek Site, Humacao, Puerto Rico (First Remedial Action), September 1991.
PB92-963819/REB 92-04 PC **A06**/MF **A02**

EPA/ROD/R02-91/165
Superfund Record of Decision (EPA Region 2): Love Canal (93rd Street School), Niagara County, City of Niagara Falls, NY. (Third Remedial Action), (Amendment), May 1991.
PB92-963805/REB 92-01 PC **A03**/MF **A01**

EPA/ROD/R02-91/166
Superfund Record of Decision (EPA Region 2): Naval Air Engineering Center (Operable Unit 3), Lakehurst, NJ. (Fourth Remedial Action), September 1991.
PB92-963806/REB 92-01 PC **A04**/MF **A01**

EPA/ROD/R02-91/167
Superfund Record of Decision (EPA Region 2): Fort Dix Landfill, Fort Dix Military Reservation, Pemberton Township, Burlington County, NJ. (First Remedial Action), September 1991.
PB92-963820/REB 92-04 PC **A06**/MF **A02**

EPA/ROD/R03-90/092
Superfund Record of Decision (EPA Region 3): Hranica Landfill, Buffalo Township, PA. (First Remedial Action), June 1990.
PB91-921566/REB 92-01 PC **A03**/MF **A01**

EPA/ROD/R03-91/106
Superfund Record of Decision (EPA Region 3): Mid-Atlantic Wood Preservers, Harmans, Anne Arundel County, MD. (First Remedial Action), December 1990.
PB92-963901/REB 92-01 PC **A04**/MF **A01**

EPA/ROD/R03-91/107
Superfund Record of Decision (EPA Region 3): Middletown Air Field Site, Middletown, PA. (Second Remedial Action), December 1990.
PB92-963904/REB 92-01 PC **A04**/MF **A01**

EPA/ROD/R03-91/108
Superfund Record of Decision (EPA Region 3): Whitmoyer Laboratories (Operable Unit 2), Lebanon County, PA. (Second Remedial Action), December 1990.
PB92-963912/REB 92-01 PC **A05**/MF **A01**

EPA/ROD/R03-91/109
Superfund Record of Decision (EPA Region 3): Whitmoyer Laboratories (Operable Unit 3), Lebanon County, PA. (Third Remedial Action), December 1990.
PB92-963926/REB 92-04 PC **A05**/MF **A01**

EPA/ROD/R03-91/110
Superfund Record of Decision (EPA Region 3): Brodhead Creek, Stroudsburg, PA. (First Remedial Action), March 1991.
PB92-963915/REB 92-01 PC **A06**/MF **A02**

EPA/ROD/R03-91/112
Superfund Record of Decision (EPA Region 3): AVCO Lycoming-Williamsport Division, Lycoming County, Williamsport, PA. (First Remedial Action), June 1991.
PB92-963920/REB 92-01 PC **A05**/MF **A01**

EPA/ROD/R03-91/113
Superfund Record of Decision (EPA Region 3): Resin Disposal, Jefferson Borough, Allegheny County, PA. (First Remedial Action), June 1991.
PB92-963903/REB 92-01 PC **A04**/MF **A01**

EPA/ROD/R03-91/114
Superfund Record of Decision (EPA Region 3): Publicker/ Cuyahoga Wrecking Plant, PA. (Second Remedial Action), June 1991.
PB92-963902/REB 92-01 PC **A03**/MF **A01**

EPA/ROD/R03-91/115
Superfund Record of Decision (EPA Region 3): Halby Chemical, Wilmington, New Castle County, DE. (First Remedial Action), June 1991.
PB92-963914/REB 92-01 PC **A06**/MF **A02**

EPA/ROD/R03-91/116
Superfund Record of Decision (EPA Region 3): Strasburg Landfill, Newlin Township, Chester County, PA. (Second Remedial Action), June 1991.
PB92-963913/REB 92-01 PC **A04**/MF **A01**

EPA/ROD/R03-91/117
Superfund Record of Decision (EPA Region 3): Greenwood Chemical Site, Operable Unit 2, Newtown, VA. (Second Remedial Action), December 1990.
PB92-963930/REB 92-04 PC **A03**/MF **A01**

EPA/ROD/R03-91/118
Superfund Record of Decision (EPA Region 3): USA Letterkenny - PDO, Chambersburg, PA. (First Remedial Action), August 1991.
PB92-963910/REB 92-01 PC **A03**/MF **A01**

EPA/ROD/R03-91/119
Superfund Record of Decision (EPA Region 3): USA Letterkenny - Southeastern Area, Chambersburg, PA. (First Remedial Action), August 1991.
PB92-963911/REB 92-01 PC **A04**/MF **A01**

EPA/ROD/R03-91/120
Superfund Record of Decision (EPA Region 3): Cryo-Chem Site, Earl Township, Berks County, PA. (Third Remedial Action), September 1991.
PB92-963908/REB 92-01 PC **A05**/MF **A01**

EPA/ROD/R03-91/121
Superfund Record of Decision (EPA Region 3): Sealand Limited Site, Mt. Pleasant, DE. (First Remedial Action), September 1991.
PB92-963923/REB 92-04 PC **A03**/MF **A01**

EPA/ROD/R03-91/122
Superfund Record of Decision (EPA Region 3): NCR Corporation (Millsboro Plant), Sussex County, Millsboro, DE. (First Remedial Action), August 1991.
PB92-963919/REB 92-01 PC **A05**/MF **A01**

EPA/ROD/R03-91/123
Superfund Record of Decision (EPA Region 3): Hellertown Manufacturing Company, Hellertown Borough, Northampton County, PA. (First Remedial Action), September 1991.
PB92-963905/REB 92-01 PC **A04**/MF **A01**

EPA/ROD/R03-91/124
Superfund Record of Decision (EPA Region 3): Heleva Landfill Site, Lehigh County, PA. (First Remedial Action), (Amendment), September 1991.
PB92-963917/REB 92-01 PC **A03**/MF **A01**

EPA/ROD/R03-91/125
Superfund Record of Decision (EPA Region 3): USA Aberdeen Proving Ground, Edgewood, MD. (First Remedial Action), September 1991.
PB92-963916/REB 92-01 PC **A05**/MF **A01**

EPA/ROD/R03-91/126
Superfund Record of Decision (EPA Region 3): USA Aberdeen, Michaelsville, MD. (First Remedial Action), September 1991.
PB92-963909/REB 92-01 PC **A03**/MF **A01**

EPA/ROD/R03-91/127
Superfund Record of Decision (EPA Region 3): Dorney Road Landfill Site, Upper Macungie Township, Lehigh County, PA. (Second Remedial Action), September 1991.
PB92-963907/REB 92-01 PC **A05**/MF **A01**

EPA/ROD/R03-91/128
Superfund Record of Decision (EPA Region 3): Old City of York Landfill, Springfield Township, York County, PA. (First Remedial Action), September 1991.
PB92-963928/REB 92-04 PC **A05**/MF **A01**

EPA/ROD/R03-91/129
Superfund Record of Decision (EPA Region 3): Hebelka Auto Salvage Yard, Weisenber Township, Lehigh County, PA. (Second Remedial Action), September 1991.
PB92-963906/REB 92-01 PC **A03**/MF **A01**

EPA/ROD/R03-91/130
Superfund Record of Decision (EPA Region 3): McAdoo Associates, (Operable Unit 2), Schuylkill County, PA. (Third Remedial Action), September 1991.
PB92-963932/REB 92-04 PC **A04**/MF **A01**

EPA/ROD/R03-91/131
Superfund Record of Decision (EPA Region 3): Havertown PCP (Pentachlorophenol), Haverford Township, Delaware County, PA. (Second Remedial Action), September 1991.
PB92-963922/REB 92-04 PC **A06**/MF **A02**

EPA/ROD/R03-91/132
Superfund Record of Decision (EPA Region 3): Arrowhead Associates/Scovill, Montross, VA. (First Remedial Action), September 1991.
PB92-963925/REB 92-04 PC **A05**/MF **A01**

EPA/ROD/R03-91/133
Superfund Record of Decision (EPA Region 3): Dixie Caverns County Landfill, Roanoke County, VA. (First Remedial Action), September 1991.
PB92-963929/REB 92-04 PC **A03**/MF **A01**

EPA/ROD/R03-91/134
Superfund Record of Decision (EPA Region 3): First Piedmont Rock Quarry/Route 719 Site, Danville, VA. (First Remedial Action), June 1991.
PB92-963924/REB 92-04 PC **A04**/MF **A01**

EPA/ROD/R03-91/135
Superfund Record of Decision (EPA Region 3): Eastern Diversified Metals, Schuylkill County, PA. (First Remedial Action), March 1991.
PB92-963933/REB 92-04 PC **A05**/MF **A01**

EPA/ROD/R03-91/136
Superfund Record of Decision (EPA Region 3): Saunders Supply Company, Chuckatuck, VA. (First Remedial Action), September 1991.
PB92-963927/REB 92-04 PC **A04**/MF **A01**

EPA/ROD/R03-91/137
Superfund Record of Decision (EPA Region 3): William Dick Lagoons, West Caln Township, Chester County, PA. (First Remedial Action), June 1991.
PB92-963921/REB 92-04 PC **A07**/MF **A02**

EPA/ROD/R03-91/138
Superfund Record of Decision (EPA Region 3): Modern Sanitation Landfill, Windsor and Lower Windsor Townships, York County, PA. (First Remedial Action), June 1991.
PB92-963931/REB 92-04 PC **A04**/MF **A01**

EPA/ROD/R03-91/139
Superfund Record of Decision (EPA Region 3): Industrial Drive Operable Unit 2, Williams Township, PA. (Second Remedial Action), March 1991.
PB92-963918/REB 92-01 PC **A05**/MF **A01**

EPA/ROD/R04-90/064
Superfund Record of Decision (EPA Region 4): Jadco-Hughes Site, North Belmont, NC. (First Remedial Action), September 1990.
PB91-921565/REB 92-01 PC **A17**/MF **A03**

EPA/ROD/R04-91/079
Superfund Record of Decision (EPA Region 4): Petroleum Products Corporation Site, Operable Unit 1, Pembroke Park, Broward County, FL. (First Remedial Action), October 1990.
PB92-964007/REB 92-01 PC **A04**/MF **A01**

EPA/ROD/R04-91/080
Superfund Record of Decision (EPA Region 4): Monsanto Superfund Site, Augusta, GA. (First Remedial Action), December 1990.
PB92-964003/REB 92-01 PC **A04**/MF **A01**

EPA/ROD/R04-91/081
Superfund Record of Decision (EPA Region 4): Medley Farms, Cherokee County, Gaffney, SC. (First Remedial Action), May 1991.
PB92-964009/REB 92-01 PC **A09**/MF **A02**

EPA/ROD/R04-91/082
Superfund Record of Decision (EPA Region 4): Tri-City Industrial Disposal Site, Bullitt County, Brooks, KY. (First Remedial Action), August 1991.
PB92-964004/REB 92-01 PC **A14**/MF **A03**

EPA/ROD/R04-91/084
Superfund Record of Decision (EPA Region 4): Golden Strip Septic Tank, Greenville County, Simpsonville, SC. (First Remedial Action), September 1991.
PB92-964018/REB 92-04 PC **A14**/MF **A03**

EPA/ROD/R04-91/085
Superfund Record of Decision (EPA Region 4): USAF Robins Air Force Base, Warner Robins, Houston County, GA. (First Remedial Action), June 1991.
PB92-964002/REB 92-01 PC **A04**/MF **A01**

EPA/ROD/R04-91/086
Superfund Record of Decision (EPA Region 4): USA Anniston Army Depot, (Groundwater Operable Unit), Calhoun County, Anniston, AL. (First Remedial Action), September 1991.
PB92-964010/REB 92-01 PC **A03**/MF **A01**

EPA/ROD/R04-91/087
Superfund Record of Decision (EPA Region 4): Wrigley Charcoal Site, Hickman County, Wrigley, TN. (First Remedial Action), September 1991.
PB92-964011/REB 92-01 PC **A08**/MF **A02**

EPA/ROD/R04-91/088
Superfund Record of Decision (EPA Region 4): Smith's Farm Site (First Operable Unit), Bullitt County, Brooks, KY. (First Remedial Action), (Amendment), September 1991.
PB92-964006/REB 92-01 PC **A10**/MF **A03**

EPA/ROD/R04-91/089
Superfund Record of Decision (EPA Region 4): Hercules 009 Landfill Site, Brunswick, Glynn County, GA. (First Remedial Action), June 1991.
PB92-964001/REB 92-01 PC **A03**/MF **A01**

EPA/ROD/R04-91/090
Superfund Record of Decision (EPA Region 4): Interstate Lead (ILCO), Jefferson County, Leeds, AL. (First Remedial Action), September 1991.
PB92-964016/REB 92-04 PC **A06**/MF **A02**

EPA/ROD/R04-91/091
Superfund Record of Decision (EPA Region 4): Ciba-Geigy, Washington County, McIntosh, AL. (Second Remedial Action), September 1991.
PB92-964021/REB 92-04 PC **A04**/MF **A01**

EPA/ROD/R04-91/092
Superfund Record of Decision (EPA Region 4): Sherwood Medical Industries, Volusia County, Deland, FL. (First Remedial Action), March 1991.
PB92-964019/REB 92-04 PC **A03**/MF **A01**

EPA/ROD/R04-91/093
Superfund Record of Decision (EPA Region 4): Aberdeen Pesticide Dumps, Moore County, Aberdeen, NC. (First Remedial Action), (Amendment), September 1991.
PB92-964005/REB 92-01 PC **A07**/MF **A02**

EPA/ROD/R04-91/094
Superfund Record of Decision (EPA Region 4): Charles Mecon Lagoon and Drum Storage, Richmond County, Cordova, NC. (First Remedial Action), September 1991.
PB92-964023/REB 92-04 PC **A07**/MF **A02**

EPA/ROD/R04-91/095
Superfund Record of Decision (EPA Region 4): Carolina Transformer Site, Cumberland County, Fayetteville, NC. (First Remedial Action), August 1991.
PB92-964017/REB 92-04 PC **A06**/MF **A02**

EPA/ROD/R04-91/096
Superfund Record of Decision (EPA Region 4): Oak Ridge Reservation (USDOE), (Operable Unit 3), Anderson County, Oak Ridge, TN. (Second Remedial Action), September 1991.
PB92-964022/REB 92-04 PC **A03**/MF **A01**

EPA/ROD/R04-91/096
Superfund Record of Decision (EPA Region 4): Oak Ridge Reservation (USDOE), (Operable Unit 4), Roane County, Oak Ridge, TN. (Third Remedial Action), September 1991.
PB92-964012/REB 92-01 PC **A03**/MF **A01**

EPA/ROD/R04-91/097
Superfund Record of Decision (EPA Region 4): Maxey Flats Nuclear Disposal Site, Fleming County, KY. (First Remedial Action), September 1991.
PB92-964015/REB 92-04 PC **A09**/MF **A03**

EPA/ROD/R04-91/098
Superfund Record of Decision (EPA Region 4): Oak Ridge Reservation (USDOE), (Operable Unit 2), Oak Ridge, TN. (First Remedial Action), June 1991.
PB92-964013/REB 92-01 PC **A03**/MF **A01**

EPA/ROD/R04-91/099
Superfund Record of Decision (EPA Region 4): Arlington Blending and Packaging, Shelby County, Arlington, TN. (First Remedial Action), June 1991.
PB92-964014/REB 92-04 PC **A06**/MF **A02**

EPA/ROD/R04-91/100
Superfund Record of Decision (EPA Region 4): Sangamo/ Twelve-Mile Creek, Lake Hartwell PCB Contamination Site, Pickens, SC. (First Remedial Action), December 1990.
PB92-964008/REB 92-01 PC **A11**/MF **A03**

EPA/ROD/R04-91/101
Superfund Record of Decision (EPA Region 4): Velsicol Chemical, (First Operable Unit), Toone, TN. (First Remedial Action), June 1991.
PB92-964020/REB 92-04 PC **A04**/MF **A01**

EPA/ROD/R05-90/163
Superfund Record of Decision (EPA Region 5): U.S. DOI Sangamo/Crab Orchard National Wildlife Refuge, Carterville, IL. (First Remedial Action), March 1990.
PB92-964125/REB 92-04 PC **A05**/MF **A02**

EPA/ROD/R05-91/151
Superfund Record of Decision (EPA Region 5): Allied Chemical and Ironton Coke, Ironton, OH. (Second Remedial Action), December 1990.
PB92-964115/REB 92-01 PC **A06**/MF **A02**

EPA/ROD/R05-91/152
Superfund Record of Decision (EPA Region 5): G and H Industrial Landfill Site, Macomb County, MI. (First Remedial Action), December 1990.
PB92-964106/REB 92-01 PC **A06**/MF **A02**

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EPA/ROD/R05-91/153
Superfund Record of Decision (EPA Region 5): Oak Grove Sanitary Landfill, Anoka County, MN. (Second Remedial Action), December 1990.
PB92-964102/REB 92-01 PC **A04**/MF **A01**

EPA/ROD/R05-91/154
Superfund Record of Decision (EPA Region 5): Summit National Liquid Disposal Service, Deerfield, OH. (First Remedial Action), (Amendment), November 1990.
PB92-964118/REB 92-01 PC **A03**/MF **A01**

EPA/ROD/R05-91/155
Superfund Record of Decision (EPA Region 5): Kentwood Landfill, Kentwood, MI. (First Remedial Action), March 1991.
PB92-964140/REB 92-04 PC **A04**/MF **A01**

EPA/ROD/R05-91/156
Superfund Record of Decision (EPA Region 5): Main Street Well Field, Elkhart, IN. (Second Remedial Action), March 1991.
PB92-964107/REB 92-01 PC **A05**/MF **A01**

EPA/ROD/R05-91/157
Superfund Record of Decision (EPA Region 5): Rasmussen's Dump Site, Green Oak Township, Livingston County, MI. (First Remedial Action), March 1991.
PB92-964105/REB 92-01 PC **A09**/MF **A02**

EPA/ROD/R05-91/158
Superfund Record of Decision (EPA Region 5): Folkertsma Refuse Site, Walker, MI. (First Remedial Action), June 1991.
PB92-964108/REB 92-01 PC **A05**/MF **A01**

EPA/ROD-R05-91/159
Superfund Record of Decision (EPA Region 5): Conrail Railyard, Elkhart County, IN. (First Remedial Action), June 1991.
PB92-964109/REB 92-01 PC **A04**/MF **A01**

EPA/ROD/R05-91/160
Superfund Record of Decision (EPA Region 5): Verona Well Field Site, Battle Creek, MI. (Second Remedial Action), June 1991.
PB92-964110/REB 92-01 PC **A08**/MF **A02**

EPA/ROD/R05-91/161
Superfund Record of Decision (EPA Region 5): Enviro-Chem (Northside Sanitary Landfill), Zionsville, IN. (First Remedial Action), (Amendment), June 1991.
PB92-964116/REB 92-01 PC **A03**/MF **A01**

EPA/ROD/R05-91/162
Superfund Record of Decision (EPA Region 5): Northside Sanitary Landfill (Enviro-Chem), Zionsville, IN. (First Remedial Action), (Amendment), June 1991.
PB92-964117/REB 92-01 PC **A03**/MF **A01**

EPA/ROD/R05-91/164
Superfund Record of Decision (EPA Region 5): Fadrowski Drum Disposal Site, Franklin, WI. (First Remedial Action), June 1991.
PB92-964111/REB 92-01 PC **A05**/MF **A01**

EPA/ROD/R05-91/165
Superfund Record of Decision (EPA Region 5): Pagel's Pit Site, Winnebago County, IL. (First Remedial Action), June 1991.
PB92-964120/REB 92-01 PC **A04**/MF **A01**

EPA/ROD/R05-91/166
Superfund Record of Decision (EPA Region 5): South Macomb Disposal No. 9 and 9A, Macomb County, MI. (First Remedial Action), August 1991.
PB92-964130/REB 92-04 PC **A05**/MF **A01**

EPA/ROD/R05-91/167
Superfund Record of Decision (EPA Region 5): Buckeye Reclamation Landfill Site, Belmont County, OH. (First Remedial Action), August 1991.
PB92-964123/REB 92-04 PC **A06**/MF **A02**

EPA/ROD/R05-91/168
Superfund Record of Decision (EPA Region 5): Acme Solvent Reclaiming, Winnebago County, IL. (Second Remedial Action), December 1990.
PB92-964101/REB 92-01 PC **A05**/MF **A02**

EPA/ROD/R05-91/169
Superfund Record of Decision (EPA Region 5): Carter Industrials Site, Detroit, MI. (First Remedial Action), September 1991.
PB92-964126/REB 92-04 PC **A08**/MF **A02**

EPA/ROD/R05-91/170
Superfund Record of Decision (EPA Region 5): MacGillis and Gibbs/Bell Lumber and Pole Co., New Brighton, MN. (First Remedial Action), September 1991.
PB92-964121/REB 92-01 PC **A03**/MF **A01**

EPA/ROD/R05-91/171
Superfund Record of Decision (EPA Region 5): Michigan Disposal Service (Cork Street) Landfill, Kalamazoo, MI. (First Remedial Action), September 1991.
PB92-964134/REB 92-04 PC **A06**/MF **A02**

EPA/ROD/R05-91/172
Superfund Record of Decision (EPA Region 5): Motor Wheel Disposal Site, Lansing, MI. (First Remedial Action), September 1991.
PB92-964112/REB 92-01 PC **A04**/MF **A01**

EPA/ROD/R05-91/173
Superfund Record of Decision (EPA Region 5): Organic Chemicals, Grandville, MI. (First Remedial Action), September 1991.
PB92-964103/REB 92-01 PC **A04**/MF **A01**

EPA/ROD/R05-91/174
Superfund Record of Decision (EPA Region 5): Thermo Chem Site, (Operable Unit 1), Muskegon County, MI. (First Remedial Action), September 1991.
PB92-964135/REB 92-04 PC **A05**/MF **A01**

EPA/ROD/R05-91/175
Superfund Record of Decision (EPA Region 5): Sturgis Municipal Wells, Sturgis, MI. (First Remedial Action), September 1991.
PB92-964136/REB 92-04 PC **A08**/MF **A02**

EPA/ROD/R05-91/176
Superfund Record of Decision (EPA Region 5): Zanesville Well Field Site, Zanesville, OH. (First Remedial Action), September 1991.
PB92-964122/REB 92-01 PC **A04**/MF **A01**

EPA/ROD/R05-91/177
Superfund Record of Decision (EPA Region 5): Anderson Development Company Site, Lenawee County, Adrian, MI. (First Remedial Action), (Amendment), September 1991.
PB92-964114/REB 92-01 PC **A03**/MF **A01**

EPA/ROD/R05-91/178
Superfund Record of Decision (EPA Region 5): Pine Bend Sanitary Landfill, Dakota County, City of Inver Grove Heights, MN. (First Remedial Action), September 1991.
PB92-964119/REB 92-01 PC **A03**/MF **A01**

EPA/ROD/R05-91/179
Superfund Record of Decision (EPA Region 5): Chem-Central Site, Wyoming, MI. (First Remedial Action), September 1991.
PB92-964138/REB 92-04 PC **A04**/MF **A01**

EPA/ROD/R05-91/180
Superfund Record of Decision (EPA Region 5): National Presto Industries, Eau Claire, WI. (Second Remedial Action), September 1991.
PB92-964129/REB 92-04 PC **A04**/MF **A01**

EPA/ROD/R05-91/181
Superfund Record of Decision (EPA Region 5): Stoughton City Landfill Site, Stoughton, WI. (First Remedial Action), September 1991.
PB92-964128/REB 92-04 PC **A04**/MF **A01**

EPA/ROD/R05-91/182
Superfund Record of Decision (EPA Region 5): Berlin and Farro Site, Swartz Creek, MI. (First Remedial Action), September 1991.
PB92-964132/REB 92-04 PC **A04**/MF **A01**

EPA/ROD/R05-91/183
Superfund Record of Decision (EPA Region 5): Fultz Landfill, Byesville, OH. (First Remedial Action), September 1991.
PB92-964131/REB 92-04 PC **A06**/MF **A02**

EPA/ROD/R05-91/184
Superfund Record of Decision (EPA Region 5): Better Brite Plating Chrome and Zinc, De Pere, WI. (First Remedial Action), June 1991.
PB92-964139/REB 92-04 PC **A03**/MF **A01**

EPA/ROD/R05-91/185
Superfund Record of Decision (EPA Region 5): Ossineke Groundwater Contamination Site, Alpena County, Ossineke, MI. (First Remedial Action), June 1991.
PB92-964127/REB 92-04 PC **A03**/MF **A01**

EPA/ROD/R05-91/186
Superfund Record of Decision (EPA Region 5): Lemberger Landfill Site, Manitowoc County, WI. (First Remedial Action), September 1991.
PB92-964133/REB 92-04 PC **A05**/MF **A01**

EPA/ROD/R05-91/187
Superfund Record of Decision (EPA Region 5): Lemberger Transport and Recycling, Manitowoc County, WI. (First Remedial Action), September 1991.
PB92-964124/REB 92-04 PC **A05**/MF **A01**

EPA/ROD/R05-91/188
Superfund Record of Decision (EPA Region 5): Novaco Industries, MI. (First Remedial Action), (Amendment), September 1991.
PB92-964104/REB 92-01 PC **A03**/MF **A01**

EPA/ROD/R05-91/189
Superfund Record of Decision (EPA Region 5): Dakhue Sanitary Landfill, Hampton Township, Dakota County, MN. (First Remedial Action), June 1991.
PB92-964137/REB 92-04 PC **A03**/MF **A01**

EPA/ROD/R05-91/190
Superfund Record of Decision (EPA Region 5): Southeast Rockford Groundwater Contamination, Rockford, IL. (First Remedial Action), June 1991.
PB92-964141/REB 92-04 PC **A03**/MF **A01**

EPA/ROD/R05-91/191
Superfund Record of Decision (EPA Region 5): Washington County Landfill, Lake Elmo, MN. (Second Remedial Action), November 1990.
PB92-964113/REB 92-01 PC **A05**/MF **A01**

EPA/ROD/R06-91/066
Superfund Record of Decision (EPA Region 6): Petro-Chemical (Turtle Bayou), Liberty County, TX. (Second Remedial Action), September 1991.
PB92-964202/REB 92-01 PC **A07**/MF **A02**

EPA/ROD/R06-91/067
Superfund Record of Decision (EPA Region 6): Cimarron Mining Site, Operable Unit 2, Carrizozo, NM. (Second Remedial Action), September 1991.
PB92-964201/REB 92-01 PC **A06**/MF **A02**

EPA/ROD/R07-91/045
Superfund Record of Decision (EPA Region 7): Lee Chemical Site, Liberty, MO. (First Remedial Action), March 1991.
PB92-964307/REB 92-01 PC **A04**/MF **A01**

EPA/ROD/R07-91/046
Superfund Record of Decision (EPA Region 7): E.I. Dupont De Nemours (County Road X23), Lee County, West Point, IA. (First Remedial Action), May 1991.
PB92-964306/REB 92-01 PC **A04**/MF **A01**

EPA/ROD/R07-91/047
Superfund Record of Decision (EPA Region 7): Ellisville Area Site, St. Louis County, Ellisville, MO. (Second Remedial Action), September 1991.
PB92-964312/REB 92-04 PC **A03**/MF **A01**

EPA/ROD/R07-91/048
Superfund Record of Decision (EPA Region 7): Hastings Ground Water Contamination (Operable Unit 1), Hastings, NE. (Second Remedial Action), September 1991.
PB92-964304/REB 92-04 PC **A03**/MF **A01**

EPA/ROD/R07-91/049
Superfund Record of Decision (EPA Region 7): Hastings Groundwater Contamination (Operable Unit 10), Hastings, NE. (Seventh Remedial Action), September 1991.
PB92-964303/REB 92-01 PC **A03**/MF **A01**

EPA/ROD/R07-91/050
Superfund Record of Decision (EPA Region 7): Lehigh Portland Cement Company, Mason City, IA. (First Remedial Action), June 1991.
PB92-964311/REB 92-04 PC **A04**/MF **A01**

EPA/ROD/R07-91/051
Superfund Record of Decision (EPA Region 7): Shaw Avenue Dump Site, Charles City, Floyd County, IA. (First Remedial Action), September 1991.
PB92-964309/REB 92-04 PC **A03**/MF **A01**

EPA/ROD/R07-91/052
Superfund Record of Decision (EPA Region 7): People's Natural Gas Coal Gasification Site, Dubuque, IA. (First Remedial Action), September 1991.
PB92-964301/REB 92-01 PC **A05**/MF **A01**

EPA/ROD/R07-91/053
Superfund Record of Decision (EPA Region 7): John Deere (Ottumwa Works Landfill), Ottumwa, IA. (First Remedial Action), September 1991.
PB92-964308/REB 92-04 PC **A05**/MF **A01**

EPA/ROD/R07-91/054
Superfund Record of Decision (EPA Region 7): Kem-Pest Laboratories Site, Cape Girardeau County, MO. (Second Remedial Action), December 1990.
PB92-964305/REB 92-01 PC **A04**/MF **A01**

EPA/ROD/R07-91/055
Superfund Record of Decision (EPA Region 7): Mid-America Tanning Site, Sergeant Bluff, IA. (First Remedial Action), September 1991.
PB92-964310/REB 92-04 PC **A07**/MF **A02**

EPA/ROD/R07-91/056
Superfund Record of Decision (EPA Region 7): Ellisville Area Site, St. Louis County, Ellisville, MO. (First Remedial Action), (Amendment), September 1991.
PB92-964302/REB 92-01 PC **A03**/MF **A01**

EPA/ROD/R08-91/045
Superfund Record of Decision (EPA Region 8): Chemical Sales (New Location) (Operable Unit 1), Denver, CO. (First Remedial Action), June 1991.
PB92-964409/REB 92-04 PC **A09**/MF **A02**

EPA/ROD/R08-91/046
Superfund Record of Decision (EPA Region 8): Chemical Sales Site, (New Location), (Operable Unit 2), Adams County, CO. (Second Remedial Action), June 1991.
PB92-964408/REB 92-04 PC **A09**/MF **A03**

EPA/ROD/R08-91/047
Superfund Record of Decision (EPA Region 8): Chemical Sales, (New Location), (Operable Unit 3), Adams County, CO. (Third Remedial Action), June 1991.
PB92-964410/REB 92-04 PC **A09**/MF **A02**

EPA/ROD/R08-91/048
Superfund Record of Decision (EPA Region 8): Wasatch Chemical Site (Lot 6), Salt Lake City, UT. (First Remedial Action), March 1991.
PB92-964407/REB 92-04 PC **A06**/MF **A02**

EPA/ROD/R08-91/049
Superfund Record of Decision (EPA Region 8): Hill Air Force Base, Operable Unit 2, Chemical Disposal Pit 3, Site WP07, Davis and Weber Counties, UT. (First Remedial Action), September 1991.
PB92-964401/REB 92-01 PC **A03**/MF **A01**

EPA/ROD/R08-91/050
Superfund Record of Decision (EPA Region 8): Rocky Mountain Arsenal (Operable Unit 21), CO. (Ninth Remedial Action), June 1991.
PB92-964405/REB 92-04 PC **A04**/MF **A01**

EPA/ROD/R08-91/051
Superfund Record of Decision (EPA Region 8): Rocky Mountain Arsenal (Operable Unit 26), CO. (Tenth Remedial Action), September 1991.
PB92-964403/REB 92-04 PC **A09**/MF **A02**

EPA/ROD/R08-91/052
Superfund Record of Decision (EPA Region 8): Broderick Wood Products, Adams County, CO. (First Remedial Action), (Amendment), September 1991.
PB92-964402/REB 92-01 PC **A04**/MF **A01**

EPA/ROD/R08-91/053
Superfund Record of Decision (EPA Region 8): Anaconda Smelter Site, (Operable Unit 11 - Flue Dust), Deer Lodge County, Anaconda, MT. (Second Remedial Action), September 1991.
PB92-964404/REB 92-04 PC **A10**/MF **A03**

EPA/ROD/R08-91/055
Superfund Record of Decision (EPA Region 8): Central City-Clear Creek Site, (Operable Unit 3), Clear Creek and Gilpin Counties, CO. (Third Remedial Action), September 1991.
PB92-964406/REB 92-04 PC **A06**/MF **A02**

EPA/ROD/R09-91/056
Superfund Record of Decision (EPA Region 9): Atlas Asbestos Mine, Fresno County, CA. (Second Remedial Action), February 1991.
PB92-964510/REB 92-01 PC **A07**/MF **A02**

EPA/ROD/R09-91/057
Superfund Record of Decision (EPA Region 9): CTS Printex Corporation, Mountain View, CA. (First Remedial Action), June 1991.
PB92-964516/REB 92-04 PC **A04**/MF **A01**

EPA/ROD/R09-91/058
Superfund Record of Decision (EPA Region 9): Teledyne Semiconductor (Spectra Physics), Mountain View, CA. (First Remedial Action), March 1991.
PB92-964505/REB 92-01 PC **A05**/MF **A01**

EPA/ROD/R09-91/059
Superfund Record of Decision (EPA Region 9): Synertek (Building No. 1), Santa Clara, CA. (First Remedial Action), June 1991.
PB92-964513/REB 92-04 PC **A07**/MF **A02**

EPA/ROD/R09-91/060
Superfund Record of Decision (EPA Region 9): FMC (Fresno Plant), Fresno, CA. (First Remedial Action), June 1991.
PB92-964512/REB 92-04 PC **A06**/MF **A02**

EPA/ROD/R09-91/061
Superfund Record of Decision (EPA Region 9): South Bay Asbestos Area, San Jose, CA. (First Remedial Action), (Amendment), June 1991.
PB92-964501/REB 92-01 PC **A03**/MF **A01**

EPA/ROD/R09-91/062
Superfund Record of Decision (EPA Region 9): Valley Wood Preserving Site, Turlock, CA. (First Remedial Action), September 1991.
PB92-964517/REB 92-04 PC **A07**/MF **A02**

EPA/ROD/R09-91/063
Superfund Record of Decision (EPA Region 9): Van Waters and Rogers, San Jose, CA. (First Remedial Action), September 1991.
PB92-964506/REB 92-01 PC **A04**/MF **A01**

EPA/ROD/R09-91/064
Superfund Record of Decision (EPA Region 9): Mesa Area Ground Water Contamination, Mesa, AZ. (First Remedial Action), September 1991.
PB92-964514/REB 92-04 PC **A03**/MF **A01**

EPA/ROD/R09-91/065
Superfund Record of Decision (EPA Region 9): Indian Bend Wash Area (Operable Units 1, 4, 5, 6), AZ. (Second Remedial Action), September 1991.
PB92-964509/REB 92-01 PC **A06**/MF **A02**

EPA/ROD/R09-91/066
Superfund Record of Decision (EPA Region 9): Advanced Micro Devices 915, Sunnyvale, CA. (First Remedial Action), August 1991.
PB92-964520/REB 92-04 PC **A04**/MF **A01**

EPA/ROD/R09-91/067
Superfund Record of Decision (EPA Region 9): Castle Air Force Base, Merced County, CA. (First Remedial Action), August 1991.
PB92-964508/REB 92-01 PC **A04**/MF **A01**

EPA/ROD/R09-91/068
Superfund Record of Decision (EPA Region 9): Sola Optical USA, Inc., Petaluma, CA. (First Remedial Action), September 1991.
PB92-964515/REB 92-04 PC **A03**/MF **A01**

EPA/ROD/R09-91/070
Superfund Record of Decision (EPA Region 9): Monolithic Memories (Advanced Micro Devices - Arques) (National Semiconductor), CA. (First Remedial Action), September 1991.
PB92-964503/REB 92-01 PC **A04**/MF **A01**

EPA/ROD/R09-91/071
Superfund Record of Decision (EPA Region 9): National Semiconductor (Monolithic Memories), CA. (First Remedial Action), September 1991.
PB92-964502/REB 92-01 PC **A04**/MF **A01**

EPA/ROD/R09-91/072
Superfund Record of Decision (EPA Region 9): Micro Storage/Intel Magnetics, Santa Clara, CA. (First Remedial Action), August 1991.
PB92-964511/REB 92-04 PC **A04**/MF **A01**

EPA/ROD/R09-91/073
Superfund Record of Decision (EPA Region 9): Advanced Micro Devices 901, (Signetics), (TRW Microwave), Sunnyvale, CA. (First Remedial Action), September 1991.
PB92-964504/REB 92-04 PC **A06**/MF **A02**

EPA/ROD/R09-91/074
Superfund Record of Decision (EPA Region 9): Signetics (Advanced Micro Devices 901) (TRW Microwave), Sunnyvale, CA. (First Remedial Action), September 1991.
PB92-964507/REB 92-01 PC **A06**/MF **A02**

EPA/ROD/R09-91/075
Superfund Record of Decision (EPA Region 9): Spectra-Physics, (Teledyne Semiconductor), Mountain View, CA. (First Remedial Action), March 1991.
PB92-964519/REB 92-04 PC **A04**/MF **A01**

EPA/ROD/R09-91/076
Superfund Record of Decision (EPA Region 9): TRW Microwave, (Advanced Micro Devices 901), (Signetics), Sunnyvale, CA. (First Remedial Action), September 1991.
PB92-964518/REB 92-04 PC **A06**/MF **A02**

EPA/ROD/R10-91/027
Superfund Record of Decision (EPA Region 10): Commencement Bay-Nearshore/Tideflats (Operable Unit 7), Tacoma, WA. (Third Remedial Action), December 1990.
PB92-964604/REB 92-01 PC **A17**/MF **A04**

EPA/ROD/R10-91/028
Superfund Record of Decision (EPA Region 10): Bunker Hill Mining and Metallurgical Complex, Shoshone County, ID. (First Remedial Action), August 1991.
PB92-964601/REB 92-01 PC **A07**/MF **A02**

EPA/ROD/R10-91/029
Superfund Record of Decision (EPA Region 10): Union Pacific Railroad Yard, Bannock County, Pocatello, ID. (First Remedial Action), September 1991.
PB92-964606/REB 92-04 PC **A08**/MF **A02**

EPA/ROD/R10-91/030
Superfund Record of Decision (EPA Region 10): Yakima Plating Facility, Yakima, WA. (First Remedial Action), September 1991.
PB92-964607/REB 92-04 PC **A05**/MF **A01**

EPA/ROD/R10-91/031
Superfund Record of Decision (EPA Region 10): Northwest Transformer-Mission Pole, Whatcom County, WA. (First Remedial Action), (Amendment), September 1991.
PB92-964602/REB 92-01 PC **A03**/MF **A01**

EPA/ROD/R10-91/032
Superfund Record of Decision (EPA Region 10): American Lake Gardens (McChord AFB - Area D), Pierce County, WA. (First Remedial Action), September 1991.
PB92-964605/REB 92-04 PC **A05**/MF **A02**

EPA/ROD/R10-91/033
Superfund Record of Decision (EPA Region 10): Bangor Naval Submarine Base, Site F (Operable Unit 2), Bangor, WA. (First Remedial Action), September 1991.
PB92-964603/REB 92-01 PC **A03**/MF **A01**

EPA/SW/DK-92/002
PA-Score (Preliminary Assessment Score), Version 1.0 (for Microcomputers).
PB92-500032/REB 92-01 CP **D02**

EPA/SW/DK-92/002A
PA-Score Software, Version 1.0. Users Manual and Tutorial.
PB92-963302/REB 92-01 PC **A04**/MF **A01**

EPA/SW/DK-92/015
Permit Tracking System (PTS), Version 1.0 (for Microcomputers).
PB92-500347/REB 92-01 CP **D03**

EPA/SW/DK-92/015A
Permit Tracking System (PTS): A User's Manual.
PB92-105659/REB 92-01 PC **A08**/MF **A02**

EPA/SW/DK-92/016A
Volatile Organic Compound (VOC) and Particulate Matter (PM) Speciation Data System User's Manual, Version 1.4.
PB92-105527/REB 92-01 PC **A04**/MF **A01**

EPA/SW/DK-92/018
Natural Enemy Risk Assessment (NERISK) (for Microcomputers).
PB92-500446/REB 92-01 CP **D06**

EPA/SW/DK-92/018A
Natural Enemy Risk Assessment (NERISK) User's Manual.
PB92-114990/REB 92-01 PC **A03**/MF **A01**

EPA/SW/DK-92/025
Hazardous Air Pollutant Program (HAP-PRO). Version 1 (for Microcomputers).
PB92-501212/REB 92-01 CP **D03**

EPA/SW/DK-92/025A
Hazardous Air Pollutant Program (HAP-PRO). User's Manual (for Use with Version 1.0, January-September, 1990).
PB92-135904/REB 92-01 PC **A04**/MF **A01**

EPA/SW/DK-92/028
Standardized Costs for Water Supply Distribution (for Microcomputers).
PB92-501436/REB 92-01 CP **D02**

EPA/SW/DK-92/028A
Standardized Costs for Water Supply Distribution Systems.
PB92-141290/REB 92-01 PC **A15**/MF **A03**

EPA/SW/DK-92/030
Crosswalk/Air Toxic Emission Factor Data Base Management System (XATEF), (Version 1.2) (for Microcomputers).
PB92-501626/REB 92-01 CP **D02**

EPA/SW/DK-92/030A
Crosswalk/Air Toxic Emission Factor Data Base Management System User's Manual, Version 1.2.
PB92-145556/REB 92-01 PC **A11**/MF **A03**

EPA/SW/DK-92/031
Organic Contract Compliance Screening System (OCCSS) Software (SOW OLM01.8 Version January 1992) (Version 1) (for Microcomputers).
PB92-501535/REB 92-01 CP **D02**

EPA/SW/DK-92/031A
Organic Contract Compliance Screening System. Software for the PC (OLM01.8 Version 1). User Manual.
PB92-145564/REB 92-01 PC **A06**/MF **A02**

EPA/SW/DK-92/032
Organic Contract Compliance Screening System (OCCSS) Software (SOW March 1990) (Version 1) (for Microcomputers).
PB92-501527/REB 92-01 CP **D02**

EPA/SW/DK-92/032A
Organic Contract Compliance Screening System. Software for the PC (SOW March 1990, Version 1). User Manual.
PB92-145572/REB 92-01 PC **A08**/MF **A02**

EPA/SW/DK-92/033
Inorganic Contract Compliance Screening System (ICCSS) Software (SOW March 1990) (Version 1) (for Microcomputers).
PB92-501519/REB 92-01 CP **D02**

EPA/SW/DK-92/033A
Inorganic Contract Compliance Screening System Software for the PC (SOW March 1990 Version 1). User Manual.
PB92-145598/REB 92-01 PC **A07**/MF **A02**

EPA/SW/DK-92/034
Organic Contract Compliance Screening System (OCCSS) Software (SOW February 1988) (for Microcomputers).
PB92-501501/REB 92-01 CP **D02**

EPA/SW/DK-92/034A
Organic Contract Compliance Screening System. Software for the PC (Version June 1990). User Manual.
PB92-145580/REB 92-01 PC **A08**/MF **A02**

EPA/SW/DK-92/037
Protein Adducts for Exposure Monitoring: A Computerized Database (CPAD) (Version 1) (for Microcomputers).
PB92-501873/REB 92-01 CP **D02**

EPA/SW/DK-92/037A
Protein Adducts for Exposure Monitoring: A Computerized Database. Software and User's Manual.
PB92-155431/REB 92-01 PC **A03**/MF **A01**

EPA/SW/DK-92/038
RETC Code for Quantifying the Hydraulic Functions of Unsaturated Soils (for Microcomputers).
PB92-501329/REB 92-01 CP **D02**

EPA/SW/DK-92/038A
RETC Code for Quantifying the Hydraulic Functions of Unsaturated Soils. Documentation.
PB92-119668/REB 92-01 PC **A05**/MF **A01**

EPA/SW/DK-92/039
Complex Effluent Toxicity Information System (CETIS) (for Microcomputers).
PB92-501899/REB 92-01 CP **D04**

EPA/SW/DK-92/043
Organic Contract Compliance Screening System (OCCSS) Software (OLM01.8 Version 2) (for Microcomputers).
PB92-502202/REB 92-04 CP **D02**

EPA/SW/DK-92/043A
Organic Contract Compliance Screening System. Software for the PC (OLM01.8 Version 2) (User Manual).
PB92-169564/REB 92-04 PC **A06**/MF **A02**

EPA/SW/DK-92/044
ESP VI 4.0 Electrostatic Precipitator VI and Performance Prediction Model.
PB92-169614/REB 92-04 PC **A05**/MF **A01**
Electrostatic Precipitator V-I (ESPVI 4.0) and Performance Prediction Model (for Microcomputers).
PB92-502251/REB 92-04 CP **D02**

EPA/SW/DK-92/047
Statistical Approach to Predicting Chronic Toxicity of Chemicals to Fishes from Acute Toxicity Test Data (for Microcomputers).
PB92-503119/REB 92-04 CP **D02**

EPA/SW/DK-92/047A
Statistical Approach to Predicting Chronic Toxicity of Chemicals to Fishes from Acute Toxicity Test Data. Data Tape Documentation.
PB92-169655/REB 92-04 PC **A06**/MF **A02**

EPA/SW/DK-92/048
Preliminary Ranking Evaluation Score (PREscore) Version 1.1 (for Microcomputers).
PB92-503507/REB 92-04 CP **D02**

EPA/SW/MT-92/023
Regional Oxidant Model (ROM), (Source Code Only) (Version 2.1).
PB92-500842/REB 92-01 MagTapeS1500.00

EPA/SW/MT-92/023A
Regional Oxidant Model (ROM) User's Guide. Part 4: The ROM System User Tutorial (Processor Network and Core Model).
PB92-120872/REB 92-01 PC **A10**/MF **A03**

EPA/SW/MT-92/024
Regional Oxidant Model (ROM), Source Code and Test Data (Version 2.1).
PB92-500859/REB 92-01 MagTapeS4000.00

EPA/20T-1002
Suspended, Cancelled, and Restricted (SCR) Pesticides.
PB92-231240/REB 92-04 PC **A06**/MF **A02**

EPA-20T-1004
Pesticides in Drinking-Water Wells.
PB92-225069/REB 92-04 PC **A03**/MF **A01**

EPA-20T-3002
Protecting Endangered Species: Interim Measures, Navajo County, Arizona.
PB92-232511/REB 92-04 PC **A01**/MF **A01**

EPA-20T-3003
Protecting Endangered Species: Interim Measures, Towns County, Georgia.
PB92-232503/REB 92-04 PC **A01**/MF **A01**

EPA-20T-3004
Protecting Endangered Species: Interim Measures, Jackson County, Mississippi.
PB92-232495/REB 92-04 PC **A01**/MF **A01**

EPA-20T-3005
Protecting Endangered Species: Interim Measures, Monongalia County, West Virginia.
PB92-232438/REB 92-04 PC **A01**/MF **A01**

EPA-20T-3006
Protecting Endangered Species: Interim Measures, Aransas County, Texas.
PB92-232644/REB 92-04 PC **A01**/MF **A01**

EPA-20T-3014
Protecting Endangered Species: Interim Measures, Coconino County, Arizona.
PB92-232636/REB 92-04 PC **A01**/MF **A01**

EPA-20T-3015
Protecting Endangered Species: Interim Measures, Clayton County, Iowa.
PB92-232628/REB 92-04 PC **A01**/MF **A01**

EPA-20T-3016
Protecting Endangered Species: Interim Measures, Dubuque County, Iowa.
PB92-232560/REB 92-04 PC **A01**/MF **A01**

EPA-20T-3017
Protecting Endangered Species: Interim Measures, Fayette County, Iowa.
PB92-232578/REB 92-04 PC **A01**/MF **A01**

EPA-20T-3021
Protecting Endangered Species: Interim Measures, Habersham County, Georgia.
PB92-232586/REB 92-04 PC **A01**/MF **A01**

EPA-20T-3024
Protecting Endangered Species: Interim Measures, Rabun County, Georgia.
PB92-232594/REB 92-04 PC **A01**/MF **A01**

EPA-20T-3025
Protecting Endangered Species: Interim Measures, Stephens County, Georgia.
PB92-224096/REB 92-04 PC **A01**/MF **A01**

EPA-20T-3037
Protecting Endangered Species: Interim Measures, Cochise County, Arizona.
PB92-232602/REB 92-04 PC **A01**/MF **A01**

EPA-20T-3038
Protecting Endangered Species: Interim Measures, Bolivar County, Mississippi.
PB92-232610/REB 92-04 PC **A01**/MF **A01**

EPA-20T-3039
Protecting Endangered Species: Interim Measures, Sunflower County, Mississippi.
PB92-232552/REB 92-04 PC **A01**/MF **A01**

EPA-20T-3040
Protecting Endangered Species: Interim Measures, Austin County, Texas.
PB92-232545/REB 92-04 PC **A01**/MF **A01**

EPA-20T-3041
Protecting Endangered Species: Interim Measures, Culberson County, Texas.
PB92-232412/REB 92-04 PC **A01**/MF **A01**

EPA-20T-3042
Protecting Endangered Species: Interim Measures, El Paso County, Texas.
PB92-232420/REB 92-04 PC **A01**/MF **A01**

EPA-20T-3043
Protecting Endangered Species: Interim Measures, Hudspeth County, Texas.
PB92-232487/REB 92-04 PC **A01**/MF **A01**

EPA-20T-3044
Protecting Endangered Species: Interim Measures, Graham County, Arizona.
PB92-232529/REB 92-04 PC **A01**/MF **A01**

EPA-20T-3045
Protecting Endangered Species: Interim Measures, Carter County, Tennessee.
PB92-232537/REB 92-04 PC **A01**/MF **A01**

EPA-20T-3046
Protecting Endangered Species: Interim Measures, Davidson County, Tennessee.
PB92-232735/REB 92-04 PC **A01**/MF **A01**

EPA-20T-3047
Protecting Endangered Species: Interim Measures, Franklin County, Tennessee.
PB92-231091/REB 92-04 PC **A01**/MF **A01**

EPA-20T-3048
Protecting Endangered Species: Interim Measures, Wilson County, Tennessee.
PB92-231083/REB 92-04 PC **A01**/MF **A01**

EPA-20T-3049
Protecting Endangered Species: Interim Measures, Avery County, North Carolina.
PB92-231109/REB 92-04 PC **A01**/MF **A01**

EPA/20T-3050
Protecting Endangered Species: Interim Measures. Decatur County, Georgia.
PB92-231117/REB 92-04 PC **A01**/MF **A01**

EPA-20T-3051
Protecting Endangered Species: Interim Measures, Gordon County, Georgia.
PB92-232743/REB 92-04 PC **A01**/MF **A01**

EPA-20T-3052
Protecting Endangered Species: Interim Measures, Dooly County, Georgia.
PB92-232750/REB 92-04 PC **A01**/MF **A01**

EPA-20T-3053
Protecting Endangered Species: Interim Measures, Henderson County, North Carolina.
PB92-232768/REB 92-04 PC **A01**/MF **A01**

EPA-20T-3054
Protecting Endangered Species: Interim Measures, Lee County, Georgia.
PB92-232776/REB 92-04 PC **A01**/MF **A01**

EPA-20T-3055
Protecting Endangered Species: Interim Measures, Baker County, Georgia.
PB92-232404/REB 92-04 PC **A01**/MF **A01**

EPA-20T-3056
Protecting Endangered Species: Interim Measures, Mitchell County, North Carolina.
PB92-232651/REB 92-04 PC **A01**/MF **A01**

EPA-20T-3057
Protecting Endangered Species: Interim Measures, Mohave County, Arizona.
PB92-232669/REB 92-04 PC **A01**/MF **A01**

EPA-20T-3058
Protecting Endangered Species: Interim Measures, Yavapai County, Arizona.
PB92-232677/REB 92-04 PC **A01**/MF **A01**

EPA-20T-3059
Protecting Endangered Species: Interim Measures, Burke County, Georgia.
PB92-232685/REB 92-04 PC **A01**/MF **A01**

EPA-20T-3060
Protecting Endangered Species: Interim Measures, Wheeler County, Georgia.
PB92-232693/REB 92-04 PC **A01**/MF **A01**

EPA/20T-3061
Protecting Endangered Species: Interim Measures. Walker County, Georgia.
PB92-226224/REB 92-04 PC **A01**/MF **A01**

EPA-20T-3062
Protecting Endangered Species: Interim Measures, Sumter County, Georgia.
PB92-232701/REB 92-04 PC **A01**/MF **A01**

EPA-20T-3063
Protecting Endangered Species: Interim Measures, Colorado County, Texas.
PB92-232719/REB 92-04 PC **A01**/MF **A01**

EPA-20T-3064
Protecting Endangered Species: Interim Measures, Floyd County, Georgia.
PB92-232727/REB 92-04 PC **A01**/MF **A01**

EPA-21E-2005
ABEL. User's Manual.
PB92-230366/REB 92-04 PC **A08**/MF **A02**

EPA/21K-1012
Preserving Our Future Today: Your Guide to the United States Environmental Protection Agency.
PB92-226190/REB 92-04 PC **A03**/MF **A01**

EPA-21R-1005
Hazardous Substance Research Centers Program. Program Summary FY 1991. Office of Exploratory Research.
PB92-224419/REB 92-04 PC **A12**/MF **A03**

EPA21T-1005
EPA's Pesticide Programs.
PB92-233147/REB 92-04 PC **A03**/MF **A01**

EPA-21T-1022
Pesticides and Ground-Water Strategy.
PB92-225051/REB 92-04 PC **A06**/MF **A02**

EPA-22E-2000
Enforcement in the 1990's Project: Recommendations of the Analytical Workgroups.
PB92-224286/REB 92-04 PC **A17**/MF **A04**

EPA/220/B-92/004
Solid Waste Contract Negotiation Handbook.
PB92-232172/REB 92-04 PC **A05**/MF **A01**

EPA/220/B-92/014
Access EPA: Public Information Tools, Major EPA Dockets, Clearinghouses and Hotlines, Records Management Programs, Major EPA Environmental Databases, Library and Information Services, State Environmental Libraries, EPA Scientific Models New for 1992. 1992 Edition.
PB92-147438/REB 92-04 PC**$21.00**

EPA/220/B-92/019
EPA Journal Holdings Report, 1992.
PB92-217726/REB 92-04 PC **A12**/MF **A03**

EPA/230/R-92/003
Guide to Selected National Environmental Statistics in the U.S. Government.
PB92-201144/REB 92-04 PC **A05**/MF **A02**

EPA/330/9-89/003-R
Multi-Media Investigation Manual.
PB92-161553/REB 92-01 PC **A12**/MF **A03**

EPA/340/1-90/007
Guidelines for Asbestos NESHAP Demolition and Renovation Inspection Procedures.
PB92-132836/REB 92-01 PC **A07**/MF **A02**

EPA/340/1-92/010
Guidelines for Catastrophic Emergency Situations Involving Asbestos.
PB92-218361/REB 92-04 PC **A04**/MF **A01**

EPA/400/R-92/001
Manual of Protective Action Guides and Protective Actions for Nuclear Incidents.
PB92-164763/REB 92-01 PC **A12**/MF **A03**

EPA/400/R-92/003
User's Guide for the SYSPOP Program: A PC Version of the PRESTO-EPA-POP Operation System. Version 1.0.
PB92-213255/REB 92-04 PC **A11**/MF **A03**

EPA/400/R-92/006
Transportation Control Measure Information Documents.
PB92-173566/REB 92-01 PC **A19**/MF **A04**

EPA/400/R-92/011
Technical Support Document for the 1992 Citizen's Guide to Radon.
PB92-218395/REB 92-04 PC **A08**/MF **A02**

EPA/402/F-92/001
National Radon Measurement Proficiency Program: Individual Proficiency Report.
PB92-169473/REB 92-04 PC **A06**/MF **A02**

EPA/402/R-92/002
Potential Uses of Phosphogypsum and Associated Risks. Background Information Document.
PB92-196054/REB 92-01 PC **A06**/MF **A02**

EPA/402/R-92/004
Indoor Radon and Radon Decay Product Measurement Device Protocols.
PB92-206176/REB 92-04 PC **A06**/MF **A02**

EPA/402/R-92/006
National Radon Contractor Proficiency (RCP) Program. Proficiency Report, July 1992.
PB92-206150/REB 92-04 PC **A12**/MF **A03**

EPA/420/R-92/001
Transportation and Air Quality Planning Guidelines, 1992.
PB92-201458/REB 92-04 PC **A10**/MF **A03**

EPA/440/1-75/038
Development Document for Interim Final Effluent Limitations Guidelines and Proposed New Source Performance Standards for the Calcium Carbide Segment of the Ferroally Manufacturing, Point Source Category. Group 1, Phase 2.
PB92-231919/REB 92-04 PC **A05**/MF **A01**

EPA/440/1-75/043A
Developmental Document for Effluent Limitations Guidelines and New Source Performance Standards for the Other Non-Fertilizer Phosphate Chemicals Segment of the Phosphate Manufacturing. Point Source Category. Group 1, Phase 2.
PB92-231992/REB 92-04 PC **A06**/MF **A02**

EPA/440/1-75/044
Development Document for Interim Final Effluent Limitations Guidelines and Proposed New Source Performance Standards for the Raw Cane Sugar Processing. Segment of the Sugar Processing. Point Source Category. Group 1, Phase 2.
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EPA/440/1-75/046
Development Document for Interim Final and Proposed Effluent Limitations Guidelines and New Source Performance Standards for the Fruits, Vegetables and Specialties. Segment of the Canned and Preserved Fruits and Vegetables. Point Source Category.
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EPA/440/1-76/047A
Development Document for Interim Final and Proposed Effluent Limitations Guidelines and Proposed New Source Performance Standards for the Bleached Kraft, Groundwood, Sulfite, Soda, Deink, and Non-Integrated Paper Mills. Point Source Category. Volume 2. Sections 8 - 15.
PB92-231562/REB 92-04 PC **A13**/MF **A03**

Development Document for Interim Final and Proposed Effluent Limitations Guidelines and Proposed New Source Performance Standards for the Bleached Kraft, Groundwood, Sulfite, Soda, Deink and Non-Integrated Paper Mills. Volume 1. Segment of the Pulp, Paper, and Paperboard. Point Source Category. Group 1. Phase 2.
PB92-231869/REB 92-04 PC **A20**/MF **A04**

EPA/440/1-76/060J
Development Document for Interim Final Effluent Limitations Guidelines and Proposed New Source Performance Standards for the Explosives Manufacturing. Point Source Category. Group 2.
PB92-231950/REB 92-04 PC **A11**/MF **A03**

EPA/440/1-78/031E
Supplement of Development Document Effluent Limitations, Guidelines New Source Performance Standards Reprint for the Renderer Segment of the Meat Products and Rendering. Point Source Category.
PB92-232008/REB 92-04 PC **A04**/MF **A01**

EPA/440/1-78/090
Guidance Development Document for Effluent Limitations Guidelines and New Source Performance Standards for the Concrete Products. Point Source Category.
PB92-231943/REB 92-04 PC **A08**/MF **A02**

EPA/440/1-79/076B
Development Document for Proposed Effluent Limitations Guidelines and Standards for the Shipbuilding and Repair. Point Source Category.
PB92-232032/REB 92-04 PC **A07**/MF **A02**

EPA/440/1-79/078B
Development Document for Effluent Limitations Guidelines and Standards for the Gum and Wood Chemicals Manufacturing. Point Source Category.
PB92-232040/REB 92-04 PC **A12**/MF **A03**

EPA/440/1-82/029
Development Document for Effluent Limitations Guidelines and Standards and Pretreatment Standards for the Steam Electric: Point Source Category.
PB92-226422/REB 92-04 PC **A99**/MF **A06**

EPA/440/1-83/400
Summary of Available Information on the Levels and Control of Toxic Pollutants Discharges in the Printing and Publishing. Point Source Category.
PB92-231703/REB 92-04 PC **A08**/MF **A02**

EPA/440/1-84/075
Development Document for Effluent Limitations. Guidelines for the Electrical and Electronic Components. Point Source Category. Phase 2.
PB92-232016/REB 92-04 PC **A09**/MF **A02**

EPA/440/1-91/023
Preliminary Data Summary for the Wood Preserving Segment of the Timber Products Processing Point Source Category.
PB92-232156/REB 92-04 PC **A07**/MF **A02**

EPA/440/2-84/002
Economic Impact Analysis of Effluent Limitations and Standards for the Battery Manufacturing Industry.
PB92-231901/REB 92-04 PC **A08**/MF **A02**

EPA/440/4-85/031
Guidance for State Water Monitoring and Wasteload Allocation Programs.
PB92-231612/REB 92-04 PC **A04**/MF **A01**

EPA/440/4-87/002
Technical Guidance Manual for Performing Waste Load Allocations. Book 4. Lakes, Reservoirs and Impoundments. Chapter 3: Toxic Substances Impact.
PB92-231760/REB 92-04 PC **A14**/MF **A03**

EPA/440/4-87/004
Technical Guidance Manual for Performing Wasteload Allocation. Book 6. Design Conditions. Chapter 1: Stream Design Flow for Steady-State Modeling.
PB92-231778/REB 92-04 PC **A04**/MF **A01**

EPA/440/4-91/001
Guidance for Water Quality-Based Decisions: The TMDL Process.
PB92-231620/REB 92-04 PC **A04**/MF **A01**

EPA/440/4-91/002
Volunteer Lake Monitoring: A Methods Manual.
PB92-218411/REB 92-04 PC **A07**/MF **A02**

EPA/440/5-88/089
Introduction to Water Quality Standards.
PB92-231646/REB 92-04 PC **A03**/MF **A01**

EPA/440/5-89/002
Briefing Report to the EPA Science Advisory Board on the Equilibrium Partitioning Approach to Generating Sediment Quality Criteria.
PB92-231521/REB 92-04 PC **A08**/MF **A02**

EPA/440/5-90/002
Reference Guide to Water Quality Standards for Indian Tribes.
PB92-231661/REB 92-04 PC **A03**/MF **A01**

EPA/440/5-90/004
Biological Criteria: National Program Guidance for Surface Waters.
PB92-231497/REB 92-04 PC **A04**/MF **A01**

EPA/440/5-91/003
Biological Criteria: State Development and Implementation Efforts.
PB92-231513/REB 92-04 PC **A03**/MF **A01**

EPA/440/5-91/004
Biological Criteria: Guide to Technical Literature.
PB92-231489/REB 92-04 PC **A07**/MF **A02**

EPA/440/5-91/005
Proceedings of a Symposium: Biological Criteria Research and Regulation. Held in Arlington, Virginia on December 12-13, 1990.
PB92-231505/REB 92-04 PC **A09**/MF **A02**

EPA/450/1-92/001
Air/Superfund National Technical Guidance Study Series: Estimation of Air Impacts for Soil Vapor Extraction (SVE) Systems.
PB92-143676/REB 92-01 PC **A03**/MF **A01**

EPA/450/1-92/002
Air/Superfund National Technical Guidance Study Series. Guideline for Predictive Baseline Emissions Estimation Procedures for Superfund Sites.
PB92-171909/REB 92-01 PC **A03**/MF **A01**

EPA/450/1-92/003
Air Superfund National Technical Guidance Study Series. Screening Procedures for Estimating the Air Impacts of Incineration at Superfund Sites.
PB92-171917/REB 92-01 PC **A04**/MF **A01**

EPA/450/1-92/004
Air Superfund National Technical Guidance Study Series. Estimation of Air Impacts for the Excavation of Contaminated Soil.
PB92-171925/REB 92-01 PC **A04**/MF **A01**

EPA/450/2-91/008
Clean Air Act Section 183(d) Guidance on Cost-Effectiveness.
PB92-136795/REB 92-01 PC **A03**/MF **A01**

EPA/450/2-91/009
Status of Selected Air Pollution Control Programs, February 1992.
PB92-171966/REB 92-01 PC **A09**/MF **A02**

EPA/450/2-91/028
Crosswalk/Air Toxic Emission Factor Data Base Management System User's Manual, Version 1.2.
PB92-145556/REB 92-01 PC **A11**/MF **A03**

EPA/450/2-92/001
Review of the National Ambient Air Quality Standards for Ozone Assessment of Scientific and Technical Information. OAQPS Staff Paper.
PB92-190446/REB 92-01 PC **A17**/MF **A03**

EPA/450/3-90/006A
QAQPS Control Cost Manual (Fourth Edition). Supplement 1.
PB92-137181/REB 92-01 PC **A05**/MF **A01**

EPA/450/3-90/018
Enabling Document for New Source Performance Standards for Air Oxidation Processes and Distillation Operations in the Synthetic Organic Chemical Manufacturing Industry.
PB92-161967/REB 92-01 PC **A04**/MF **A01**

EPA/450/3-91/013
Enabling Document for Regulations Governing Compliance Extensions for Early Reductions of Hazardous Air Pollutants.
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EPA/450/3-91/015
National Air Toxics Information Clearinghouse: Ongoing Research and Regulatory Development Projects.
PB92-111905/REB 92-01 PC **A10**/MF **A03**

EPA/450/3-91/016
National Air Toxics Information Clearinghouse: Bibliography of Selected Reports and Federal Register Notices Related to Air Toxics. Volume 5. Citations, 1991.
PB92-111830/REB 92-01 PC **A10**/MF **A03**

EPA/450/3-91/017
National Air Toxics Information Clearinghouse: Bibliography of Selected Reports and Federal Register Notices Related to Air Toxics. Index, 1991.
PB92-111913/REB 92-01 PC **A21**/MF **A04**

EPA/450/3-91/018
NATICH Data Base Report on State, Local and EPA Air Toxics Activities, September 1991.
PB92-143700/REB 92-01 PC **A99**/MF **A06**

EPA/450/3-91/020A
Dry Cleaning Facilities: Background Information for Proposed Standards.
PB92-126762/REB 92-01 PC **A07**/MF **A02**

EPA/450/3-91/021
Economic Impact Analysis of Regulatory Controls in the Dry Cleaning Industry.
PB92-126770/REB 92-01 PC **A11**/MF **A03**

EPA/450/3-91/022A
Technical Guidance: State II Vapor Recovery Systems for Control of Vehicle Refueling Emissions at Gasoline Dispensing Facilities. Volume 1. Chapters.
PB92-132844/REB 92-01 PC **A10**/MF **A03**

EPA/450/3-91/022B
Technical Guidance: Stage II Vapor Recovery Systems for Control of Vehicle Refueling Emissions at Gasoline Dispensing Facilities. Volume 2. Appendices.
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EPA/450/3-91/026
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EPA/450/3-91/027
Assessment of VOC Emissions and Their Control from Baker's Yeast Manufacturing Facilities.
PB92-145408/REB 92-01 PC **A04**/MF **A01**

EPA/450/3-91/030
Documentation for Developing the Initial Source Category List.
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EPA/450/3-91/0100
Human Exposure Model-II: User's Guide.
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PB92-161959/REB 92-01 PC **A05**/MF **A01**

EPA/450/3-92/005
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EPA/450/3-92/012
Alternative Control Techniques Document: For PM-10 Emissions from Ferrous Foundries.
PB92-180017/REB 92-01 PC **A07**/MF **A02**

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EPA/450/4-81/026D-REV
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PB92-209386/REB 92-04 PC **A11**/MF **A03**

EPA/450/4-89/018
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EPA/450/4-90/007D(R)
User's Guide for the Urban Airshed Model. Volume 4. User's Manual for the Emissions Preprocessor System 2.0. Part A: Core FORTRAN System.
PB92-226232/REB 92-04 PC **A19**/MF **A04**

EPA/450/4-90/007F
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EPA/450/4-90/007G
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Emission Factor Documentation for AP-42 Section 2.1.1., Municipal Waste Combustion.
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EPA/450/4-90/017
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PB92-152834/REB 92-01 PC **A05**/MF **A01**

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PB92-112150/REB 92-01 PC **A05**/MF **A01**

EPA/450/4-91/013
Guideline for Regulatory Application of the Urban Airshed Model.
PB92-108760/REB 92-01 PC **A05**/MF **A01**

EPA/450/4-91/016
Procedures for the Preparation of Emission Inventories for Carbon Monoxide and Precursors of Ozone. Volume 1. General Guidance for Stationary Sources.
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EPA/450/4-91/021
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EPA/450/4-91/023
National Air Quality and Emissions Trends Report, 1990.
PB92-141555/REB 92-01 PC **A07**/MF **A02**

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Urban Air Toxics Monitoring Program, 1990.
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PB92-110030/REB 92-01 PC **A07**/MF **A02**

EPA/450/4-91/026
National Air Pollutant Emission Estimates 1940-1990.
PB92-152859/REB 92-01 PC **A05**/MF **A02**

EPA/450/4-91/027
Volatile Organic Compound (VOC) and Particulate Matter (PM) Speciation Data System User's Manual, Version 1.4.
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EPA/450/4-91/029
Locating and Estimating Air Emissions from Sources of Styrene, Interim Report.
PB92-126788/REB 92-01 PC **A08**/MF **A02**

EPA/450/4-91/031
Guideline Series: Control of Volatile Organic Compound Emissions from Reactor Processes and Distillation Operations Processes in the Synthetic Organic Chemical Manufacturing Industry.
PB92-180009/REB 92-01 PC **A09**/MF **A03**

EPA/450/4-91/032
Gridded Model Information Support System (GMISS) User's Guide. Volume 3. Model Concentration Data Retrieval Subsystem.
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EPA/450/4-92/010
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EPA/450/4-92/011A
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Guideline for Regulatory Application of the Urban Airshed Model for Areawide Carbon Monoxide. Volume 2. Appendices.
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EPA/450/R-92/002
Technology Evaluation Report: The Carver-Greenfield Process, Dehydro-Tech Corporation.
PB92-217462/REB 92-04 PC **A11**/MF **A03**

EPA/452/B-92/001
Directory of OAQPS Information Services, May 1992.
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EPA/452/R-92/003
Technical Support Document to Aid States with the Development of Carbon Monoxide State Implementation Plans.
PB92-233055/REB 92-04 PC **A04**/MF **A01**

EPA/453/R-92/001
Control of VOC Emissions from Nonferrous Metal Rolling Processes.
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EPA/453/R-92/002
RACT/BACT/LAER Clearinghouse: A Compilation of Control Technology Determinations. Second Supplement to the 1990 Edition.
PB92-235647/REB 92-04 PC **A20**/MF **A04**

EPA/454/R-92/001
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PB92-182997/REB 92-04 PC **A03**/MF **A01**

EPA/500/B-92/002
Consolidated List of Chemicals Subject to Reporting under the Emergency Planning and Community Right-to-Know Act. (Title III of the Superfund Amendments and Reauthorization Act of 1986).
PB92-155399/REB 92-01 PC **A04**/MF **A01**

EPA/500/K-92/002
Air Quality Atlas.
PB92-190248/REB 92-01 PC **A03**/MF **A01**

EPA/503/8-92/002
U.S. EPA Nonpoint Source Information Exchange Computer Bulletin Board System (BBS). User's Manual.
PB92-228048/REB 92-04 PC **A04**/MF **A01**

EPA/503/9-91/009
Report to Congress on Ocean Dumping, 1987-1990.
PB92-188663/REB 92-01 PC **A04**/MF **A01**

EPA/503/9-92/002
Watershed Protection Approach: An Overview.
PB92-224732/REB 92-04 PC **A03**/MF **A01**

EPA/503/9-92/006
National Water Quality Inventory: 1990 Report to Congress.
PB92-227800/REB 92-04 PC **A11**/MF **A03**

EPA/503/9-92/007
National Estuary Program After Four Years: A Report to Congress.
PB92-233154/REB 92-04 PC **A06**/MF **A02**

EPA/506/2-89/003
Selecting Priority Nonpoint Source Projects: You Better Shop Around.
PB92-233063/REB 92-04 PC **A03**/MF **A01**

EPA/506/6-90/002
Managing Contaminated Sediments. EPA Decision-Making Processes.
PB92-231653/REB 92-04 PC **A04**/MF **A01**

EPA/506/6-90/003
Contaminated Sediments: Relevant Statutes and EPA Program Activities.
PB92-231547/REB 92-04 PC **A07**/MF **A02**

EPA/520/1-92/001
National Radon Contractor Proficiency (RCP) Program. Proficiency Report, January 1992.
PB92-120914/REB 92-01 PC **A10**/MF **A03**

EPA/520/5-88/017
Radiological Survey of the Norfolk Naval Station, the Norfolk Naval Shipyard, and Newport News Shipbuilding.
PB92-164730/REB 92-01 PC **A03**/MF **A01**

EPA/520/5-91/025
Environmental Radiation Data. Report 63, July-September 1990.
PB92-164706/REB 92-01 PC **A03**/MF **A01**

EPA/520/6-91/020
Electric and Magnetic Fields Near AM Broadcast Towers.
PB92-101427/REB 92-01 PC **A05**/MF **A01**

EPA/520/SW-91/062A
RCRA Permit Policy Compendium. Volume 1. User's Guide. Key Word Index.
PB92-111715/REB 92-01 PC **E10**

EPA/530/R-92/001
State Programs Advisory Number Nine.
PB92-149285/REB 92-01 PC **A99**/MF **E16**

EPA/530/R-92/002
Best Demonstrated Available Technology (BDAT) Background Document for Quality Assurance/Quality Control Procedures and Methodology.
PB92-149277/REB 92-01 PC **A07**/MF **A02**

EPA/530/R-92/003
Compilation of Current Practices at Land Disposal Facilities: Summary of Liner and Leak Detection Designs, Action Leakage Rates, Response Action Plans, and Management of Liquids in Landfills.
PB92-128206/REB 92-01 PC **A08**/MF **A02**

EPA/530/R-92/004
Action Leakage Rates for Leak Detection Systems. (Supplemental Background Document for the Final Double Liners and Leak Detection Systems Rule for Hazardous Waste Landfills, Waste Piles, and Surface Impoundments).
PB92-128214/REB 92-01 PC **A04**/MF **A01**

EPA/530/R-92/005A
Inactive and Abandoned Noncoal Mines. Volume 1. A Scoping Study.
PB92-190115/REB 92-01 PC **A07**/MF **A02**

EPA/530/R-92/005B
Inactive and Abandoned Noncoal Mines. Volume 2. State Reports.
PB92-190123/REB 92-01 PC **A19**/MF **A04**

EPA/530/R-92/005C
Inactive and Abandoned Noncoal Mines. Volume 3. Appendix: State Reports.
PB92-190131/REB 92-01 PC **A14**/MF **A03**

EPA/530/R-92/006
Development of a Solid Sample Analytical Procedure for Cyanide in Spent Ore. Final Technical Report.
PB92-203496/REB 92-04 PC **A11**/MF **A03**

EPA/530/R-92/007
Directory of Mine Waste Characterization and Drainage Quality Contacts in Western Governors' Association Member States.
PB92-180108/REB 92-01 PC **A06**/MF **A02**

EPA/530/R-92/008A
Projected Regulatory, Programmatic and Fiscal Impacts of EPA's Strawman-II on State Mine Waste Management Programs. Volume 1. Summary Report.
PB92-190156/REB 92-01 PC **A04**/MF **A01**

EPA/530/R-92/008B
Projected Regulatory, Programmatic and Fiscal Impacts of EPA's Strawman-II on State Mine Waste Management Programs. Volume 2. State Reports of Western Governors' Association Mine Waste Task Force States.
PB92-190164/REB 92-01 PC **A99**

EPA/530/R-92/008C
Projected Regulatory, Programmatic and Fiscal Impacts of EPA's Strawman-II on State Mine Waste Management Programs. Volume 3. Appendix: State Reports Interstate Coalition on Mine Waste.
PB92-190172/REB 92-01 PC **A14**

EPA/530/R-92/009
Abstracts of Selected Precious Metal Mines' Permits.
PB92-180090/REB 92-01 PC **A21**/MF **A04**

EPA/530/R-92/010
Preliminary Use and Substitutes Analysis of Lead and Cadmium in Products in Municipal Solid Waste.
PB92-162551/REB 92-01 PC **A09**/MF **A02**

EPA/530/R-92/011
Technical Implementation Document for EPA's Boiler and Industrial Furnace Regulations.
PB92-154947/REB 92-01 PC **A11**/MF **A03**

EPA/530/R-92/013
Characterization of Products Containing Mercury in Municipal Solid Waste in the United States, 1970 to 2000.
PB92-162569/REB 92-01 PC **A07**/MF **A02**

EPA/530/R-92/016
Proceedings on the National United States Environmental Protection Agency Conference on Household Hazardous Waste Management (6th). Held in Seattle, Washington on December 3-7, 1991.
PB92-169390/REB 92-01 PC **A99**/MF **E08**

EPA/530/R-92/018
Update Package for RCRA Permit Policy Compendium (Assorted Volumes).
PB92-182518/REB 92-04 PC **E99**

EPA/530/R-92/019
Characterization of Municipal Solid Waste in the United States: 1992 Update.
PB92-207166/REB 92-04 PC **A07**/MF **A02**

EPA/530/R-92/022
Handbook of RCRA Ground-Water Monitoring Constituents: Chemical and Physical Properties (40 CFR Part 264, Appendix 9).
PB92-233287/REB 92-04 PC **A13**/MF **A03**

EPA/530/R-92/023
No Migration Variances to the Hazardous Waste Land Disposal Prohibitions: A Guidance Manual for Petitioners (July 1992).
PB92-207695/REB 92-04 PC **A05**/MF **A02**

EPA/530/R-92/024
Alternative Daily Cover Materials for Municipal Solid Waste Landfills.
PB92-208206/REB 92-04 PC **A03**/MF **A01**

EPA/530/SW-87/006F
Technical Resource Document: Batch-Type Procedures for Estimating Soil Adsorption of Chemicals.
PB92-188515/REB 92-01 PC **A06**/MF **A02**

EPA/530/SW-90/074A
Markets for Scrap Tires.
PB92-115252/REB 92-01 PC **A06**/MF **A02**

EPA/530/SW-91/029
States' Efforts to Promote Lead-Acid Battery Recycling.
PB92-119965/REB 92-01 PC **A04**/MF **A01**

EPA/530/SW-91/051
Technical Guidance Document: Inspection Techniques for the Fabrication of Geomembrane Field Seams.
PB92-109057/REB 92-01 PC **A08**/MF **A02**

EPA/530/SW-91/062B
RCRA Permit Policy Compendium. Volume 2 (9420.1980-9434.1900). Hazardous Waste Management System (Part 260). General, Definitions, Petitions.
PB92-111723/REB 92-01 PC **A13**

EPA/530/SW-91/062C
RCRA Permit Policy Compendium. Volume 3 (9441.1980-9441.1986). Identification and Listing of Hazardous Waste (Part 261). General.
PB92-111731/REB 92-01 PC **A14**

EPA/530/SW-91/062D
RCRA Permit Policy Compendium. Volume 4 (9441.1987-9441.1990). Identification and Listing of Hazardous Waste (Part 261). General.
PB92-111749/REB 92-01 PC **A14**

EPA/530/SW-91/062E
RCRA Permit Policy Compendium. Volume 5 (9442.1980-9444.1986). Identification and Listing of Hazardous Waste (Part 261). Criteria for Identifying Hazardous Waste, Characteristics of Hazardous Waste, Lists of Hazardous Waste.
PB92-111756/REB 92-01 PC **A14**

EPA/530/SW-91/062F
RCRA Permit Policy Compendium. Volume 6 (9444.1987-9457.1990). Identification and Listing of Hazardous Waste (Part 261). Lists (Cont'd), Generator Standards (Part 262),

General, Pretransportation, Recordkeeping, Special Conditions, Importing.
PB92-111764/REB 92-01 PC **A15**

EPA/530/SW-91/062G
RCRA Permit Policy Compendium. Volume 7 (9460.1980-9482.1990). Transporter Standards (Part 263). (TSDF's) (Parts 264 and 265), TSDF Technical Requirements (Parts 264 and 265).
PB92-111772/REB 92-01 PC **A11**

EPA/530/SW-91/062H
RCRA Permit Policy Compendium. Volume 8 (9483.1980-9489.1990). TSDF Technical Requirements (Parts 264 and 265). Tanks, Surface Impoundments, Waste Piles, Land Treatment, Landfills, Incinerators, Miscellaneous Units.
PB92-111780/REB 92-01 PC **A15**

EPA/530/SW-91/062I
RCRA Permit Policy Compendium. Volume 9 (9490.1980-9521.1990). Standards for Managing Specific Hazardous Wastes (Part 266). Permitting Policies, Permitting Procedures (Parts 124 and 270).
PB92-111798/REB 92-01 PC **A15**

EPA/530/SW-91/062J
RCRA Permit Policy Compendium. Volume 10 (9522.1980-9528.1990). Permitting Procedures (Parts 124 and 270). Applications, Conditions, Changes, Interim Status.
PB92-111806/REB 92-01 PC **A15**

EPA/530/SW-91/062K
RCRA Permit Policy Compendium. Volume 11 (9530.1980-9581.1990). Air Emissions Standards, State Authorization (Part 271), Land Disposal Restrictions (Part 268). Waste Minimization, Subtitle D, RCRA Grant Funds.
PB92-111814/REB 92-01 PC **A17**

EPA/530/SW-91/065A
Mining Sites on the National Priorities List: NPL Site Summary Reports. Volume 1 (Aluminum Company of America (Vancouver Smelter) to Cleveland Mill).
PB92-124767/REB 92-01 PC **A99**

EPA/530/SW-91/065B
Mining Sites on the National Priorities List: NPL Site Summary Reports. Volume 2 (Commencement Bay Nearshore/Tideflats to Kerr McGee) (Kress Creek, Reed-Keppler Park, Residential Areas, Sewage Treatment Plant).
PB92-124775/REB 92-01 PC **A99**

EPA/530/SW-91/065C
Mining Sites on the National Priorities List: NPL Site Summary Reports. Volume 3 (Kerr-McGee Chemical Corp. (Soda Springs Plant) to Ormet Corp).
PB92-124783/REB 92-01 PC **A99**

EPA/530/SW-91/065D
Mining Sites on the National Priorities List: NPL Site Summary Reports. Volume 4 (Oronogo-Duenweg Mining Belt to Tar Creek).
PB92-124791/REB 92-01 PC **A99**

EPA/530/SW-91/065E
Mining Sites on the National Priorities List: NPL Site Summary Reports. Volume 5 (Teledyne Wah Chang to Wayne Interim Storage Facility/W.R. Grace).
PB92-124809/REB 92-01 PC **A99**

EPA/530/SW-91/073A
Regulatory Impact Analysis for the Final Criteria for Municipal Solid Waste Landfills.
PB92-100841/REB 92-01 PC **A13/MF A03**

EPA/530/SW-91/073B
Addendum to the Regulatory Impact Analysis for the Final Criteria for Municipal Solid Waste Landfills.
PB92-100858/REB 92-01 PC **A03/MF A01**

EPA/530/SW-91/075
National Survey of Hazardous Waste Generators and Treatment, Storage, Disposal, and Recycling Facilities in 1986. Hazardous Waste Generation and Management.
PB92-123025/REB 92-01 PC **A12/MF A03**

EPA/530/SW-91/079
Background Document for the Liquid Release Test: Single Laboratory Evaluation and 1988 Collaborative Study.
PB92-183201/REB 92-04 PC **A06/MF A02**

EPA/530/SW-91/093N
Inside the Hotline: A Compilation of 1991 Monthly Hotline Reports.
PB92-131390/REB 92-01 PC **A04/MF A01**

EPA/530/UST-91/018
Leaking Underground Storage Tanks and Health: Understanding Health Risks from Petroleum Contamination.
PB92-184969/REB 92-01 PC **A03/MF A01**

EPA/540/2-91/001
Innovative Treatment Technologies: Semi-Annual Status Report. (Third Edition).
PB92-173210/REB 92-01 PC **A05/MF A01**

EPA/540/2-91/004
Superfund Engineering Issue: Issues Affecting the Applicability and Success of Remedial/Removal Incineration Projects.
PB92-109081/REB 92-01 PC **A03/MF A01**

EPA/540/2-91/013A
Guide for Conducting Treatability Studies under CERCLA: Aerobic Biodegradation Remedy Screening. Interim Guidance.
PB92-109065/REB 92-01 PC **A03/MF A01**

EPA/540/2-91/013B
Guide for Conducting Treatability Studies under CERCLA: Aerobic Biodegradation Remedy Screening.
PB92-109073/REB 92-01 PC **A02/MF A01**

Guide for Conducting Treatability Studies under CERCLA: Aerobic Biodegradation Remedy Screening. Quick Reference Fact Sheet.
PB92-224377/REB 92-04 PC **A02/MF A01**

EPA/540/2-91/014
Selection of Control Technologies for Remediation of Lead Battery Recycling Sites.
PB92-114537/REB 92-01 PC **A08/MF A02**

EPA/540/2-91/015
Forum on Innovative Hazardous Waste Treatment Technologies (3rd): Domestic and International. Held in Dallas, Texas on June 11-13, 1991. Technical Papers.
PB92-219732/REB 92-04 PC **A22/MF A04**

EPA/540/2-91/016
Forum on Innovative Hazardous Waste Treatment Technologies (3rd): Domestic and International. Held in Dallas, Texas on June 11-13, 1991. Abstract Proceedings.
PB92-233881/REB 92-04 PC **A05/MF A01**

EPA/540/2-91/018
Bioremediation in the Field. An Information Update on Applying Bioremediation to Site Clean-Up. Number 3.
PB92-224807/REB 92-04 PC **A03/MF A01**

EPA/540/2-91/019A
Guide for Conducting Treatability Studies under CERCLA: Soil Vapor Extraction. Interim Guidance.
PB92-227271/REB 92-04 PC **A05/MF A01**

EPA/540/2-91/019B
Guide for Conducting Treatability Studies under CERCLA: Soil Vapor Extraction. Quick Reference Fact Sheet.
PB92-224401/REB 92-04 PC **A02/MF A01**
Guide for Conducting Treatability Studies under CERCLA: Soil Vapor Extraction. Quick Reference Fact Sheet.
PB92-231281/REB 92-04 PC **A02/MF A01**

EPA/540/2-91/020A
Guide for Conducting Treatability Studies under CERCLA: Soil Washing. Interim Guidance.
PB92-170570/REB 92-01 PC **A03/MF A01**

EPA/540/2-91/020B
Guide for Conducting Treatability Studies under CERCLA: Soil Washing: Quick Reference Fact Sheet.
PB92-170588/REB 92-01 PC **A02/MF A01**

EPA/540/2-91/021
In situ Soil Flushing. Engineering Bulletin.
PB92-180025/REB 92-01 PC **A02/MF A01**

EPA/540/2-91/022
Air Stripping of Aqueous Solutions. Engineering Bulletin.
PB92-180033/REB 92-01 PC **A02/MF A01**

EPA/540/2-91/023
Control of Air Emissions from Materials Handling during Remediation. Engineering Bulletin.
PB92-180041/REB 92-01 PC **A02/MF A01**

EPA/540/2-91/024
Granular Activated Carbon Treatment. Engineering Bulletin.
PB92-180058/REB 92-01 PC **A02/MF A01**

EPA/540/2-91/025
Chemical Oxidation Treatment. Engineering Bulletin.
PB92-180066/REB 92-01 PC **A02/MF A01**

EPA/540/2-91/027
Bioremediation in the Field: An Information Update on Applying Bioremediation to Site Cleanup. (Number 4).
PB92-224708/REB 92-04 PC **A03/MF A01**

EPA/540/4-89/005
Performance Evaluations of Pump-and-Treat Remediations.
PB92-114461/REB 92-01 PC **A03/MF A01**

EPA/540/4-91/005
Ground-Water Issue: The Effects of Well Casing Material on Ground Water-Quality.
PB92-224724/REB 92-04 PC **A03/MF A01**

EPA/540/5-90/007
Technology Evaluation Report: SITE Program Demonstration of the DuPont/Oberlin Microfiltration Technology.
PB92-153410/REB 92-01 PC **A06/MF A02**

EPA/540/5-91/001
Technology Evaluation Report: Biological Treatment of Wood Preserving Site Groundwater by Biotrol, Inc.
PB92-110048/REB 92-01 PC **A06/MF A02**

EPA/540/5-91/003A
Technology Evaluation Report: Biotrol Soil Washing System for Treatment of a Wood Preserving Site. Volume 1.
PB92-115310/REB 92-01 PC **A13/MF A03**

EPA/540/5-91/003B
Technology Evaluation Report: Biotrol Soil Washing System for Treatment of a Wood Preserving Site. Volume 2, Part A.
PB92-115328/REB 92-01 PC **A17/MF A04**

EPA/540/5-91/003C
Technology Evaluation Report: Biotrol Soil Washing System for Treatment of a Wood Preserving Site. Volume 2, Part B.
PB92-115336/REB 92-01 PC **A15/MF A03**

EPA/540/5-91/004
Superfund Innovative Technology Evaluation Program: Progress and Accomplishments, Fiscal Year 1990. A Fourth Report to Congress.
PB92-224799/REB 92-04 PC **A05/MF A01**

EPA/540/5-91/005
Technology Evaluation Report: SITE Program Demonstration Test Horsehead Resource Development Company, Inc., Flame Reactor Technology, Monaca, Pennsylvania.
PB92-205855/REB 92-04 PC **A07/MF A02**

EPA/540/5-91/007A
Technology Evaluation Report of Retech, Inc., Plasma Centrifugal Furnace. Volume 1.
PB92-216035/REB 92-04 PC **A09/MF A02**

EPA/540/5-91/007B
Technology Evaluation Report of Retech, Inc., Plasma Centrifugal Furnace. Volume 2.
PB92-216043/REB 92-04 PC **A15/MF A03**

EPA/540/5-91/008
Superfund Innovative Technology Evaluation Program: Technology Profiles, Fourth Edition.
PB92-224294/REB 92-04 PC **A10/MF A03**

EPA/540/8-91/003
Superfund Program: Ten Years of Progress.
PB91-921286/REB 92-01 PC **A04/MF A01**

EPA/540/8-91/004
Progress Toward Implementing Superfund, Fiscal Year 1990: A Report to the Congress.
PB92-963256/REB 92-01 PC **E05/MF A04**

EPA/540/8-91/016
Superfund: Focusing on the Nation at Large. 1991 Update.
PB92-963252/REB 92-01 PC **A05/MF A01**

EPA/540/8-91/017
National Priorities List Sites: Alabama.
PB92-963223/REB 92-01 PC **A04/MF A01**

EPA/540/8-91/018
National Priorities List Sites: Alaska.
PB92-963251/REB 92-01 PC **A04/MF A01**

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National Priorities List Sites: Arizona and Nevada.
PB92-963216/REB 92-01 PC **A04/MF A01**

EPA/540/8-91/020
National Priorities List Sites: Arkansas.
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EPA/540/8-91/021
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EPA/540/8-91/024
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EPA/540/8-91/025
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PB92-963250/REB 92-01 PC **A08/MF A02**

EPA/540/8-91/026
National Priorities List Sites: Georgia.
PB92-963226/REB 92-01 PC **A04/MF A01**

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National Priorities List Sites: Idaho.
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National Priorities List Sites: Illinois.
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PB92-963249/REB 92-01 PC **A06/MF A02**

EPA/540/8-91/030
National Priorities List Sites: Iowa.
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National Priorities List Sites: Kansas.
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EPA/540/8-91/032
National Priorities List Sites: Kentucky.
PB92-963227/REB 92-01 PC **A04/MF A01**

EPA/540/8-91/033
National Priorities List Sites: Louisiana.
PB92-963222/REB 92-01 PC **A04/MF A01**

EPA/540/8-91/034
National Priorities List Sites: Maine.
PB92-963204/REB 92-01 PC **A04/MF A01**

EPA/540/8-91/035
National Priorities List Sites: Maryland.
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EPA/540/8-91/037
National Priorities List Sites: Michigan.
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PB92-963205/REB 92-01 PC **A04**/MF **A01**

EPA/540/8-91/044
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EPA/540/8-91/045
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EPA/540/8-91/046
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EPA/540/8-91/054
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EPA/540/8-91/084
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EPA/540/8-91/085
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EPA/540/8-91/086
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EPA/540/8-91/087
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EPA/540/8-91/088
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PB92-963323/REB 92-01 PC **A05**/MF **A01**

EPA/540/8-91/089
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PB92-963324/REB 92-01 PC **A05**/MF **A01**

EPA/540/8-91/090
CERCLIS Characterization Project: Region 10 Results.
PB92-963325/REB 92-01 PC **A05**/MF **A01**

EPA/540/8-91/091
Technical Support Services for Superfund Site Remediation and RCRA Corrective Action. Third Edition.
PB92-205657/REB 92-04 PC **A04**/MF **A01**

EPA/540/8-91/093
Superfund Emergency Response Actions: A Summary of Federally-Funded Removals. Fifth Annual Report - Fiscal Year 1990.
PB92-963403/REB 92-01 PC **A08**/MF **A02**

EPA/540/9-91/001
OSWER Source Book: Training and Technology Transfer Resources.
PB92-102169/REB 92-01 PC **A13**/MF **A03**

EPA/540/9-91/002
Innovative Treatment Technologies: Overview and Guide to Information Sources.
PB92-179001/REB 92-01 PC **A20**/MF **A04**

EPA/540/09-92/145
Alachlor Position Document 2/3.
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Creosote, Pentachlorophenol, and Inorganic Arsenicals; Amendment of Notice of Intent to Cancel Registrations.
PB92-152842/REB 92-01 PC **A03**/MF **A01**

EPA/540/09-92/180
Pesticide Reregistration Handbook: How to Respond to the Reregistration Eligibility Document.
PB92-154806/REB 92-01 PC **A03**/MF **A01**

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National Home and Garden Pesticide Use Survey Final Report. Executive Summary.
PB92-174739/REB 92-01 PC **A03**/MF **A01**

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National Home and Garden Pesticide Use Survey. Final Report. Volume 1. Executive Summary, Results, and Recommendations.
PB92-174747/REB 92-01 PC **A16**/MF **A03**

EPA/540/09-92/192
National Home and Garden Pesticide Use Survey. Final Report. Volume 2. Survey Design, Implementation, and Analysis Methods.
PB92-174754/REB 92-01 PC **A07**/MF **A02**

EPA/540/09-92/201
Status of Pesticides in Reregistration and Special Review.
PB92-190438/REB 92-01 PC **A14**/MF **A03**

EPA/540/09-92/204
Emergency Exemptions under Section 18 of the Federal Insecticide Fungicide and Rodenticide Act. 1. Guidance for State and Federal Agencies.
PB92-183235/REB 92-04 PC **A03**/MF **A01**

EPA/540/09-92/205
Emergency Exemptions under Section 18 of the Federal Insecticide Fungicide and Rodenticide Act. 2. Instructions for Submission of Emergency Exemption Applications.
PB92-183243/REB 92-04 PC **A03**/MF **A01**

EPA/540/09-92/213
General Information on Applying for Registration of Pesticides in the United States. Second Edition.
PB92-221811/REB 92-04 PC **A13**/MF **A03**

EPA/540/A5-90/007
DuPont/Oberlin Microfiltration Technology. Applications Analysis Report.
PB92-119023/REB 92-01 PC **A04**/MF **A01**

EPA/540/A5-91/001
Biological Treatment of Wood Preserving Site Groundwater by BioTrol, Inc. Applications Analysis Report.
PB91-227983/REB 92-01 PC **A04**/MF **A01**

EPA/540/A5-91/002
AWD Technologies Integrated AquaDetox (Trade Name)/SVE Technology: Applications Analysis Report.
PB92-218379/REB 92-04 PC **A04**/MF **A01**

EPA/540/A5-91/003
BioTrol Soil Washing System for Treatment of a Wood Preserving Site: Applications Analysis Report.
PB92-115245/REB 92-01 PC **A04**/MF **A01**

EPA/540/A5-91/005
Horsehead Resource Development Company, Inc. Flame Reactor Technology: Applications Analysis Report.
PB92-213214/REB 92-04 PC **A04**/MF **A01**

EPA/540/A5-91/007
Retech, Inc., Plasma Centrifugal Furnace: Applications Analysis Report.
PB92-218791/REB 92-04 PC **A04**/MF **A01**
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PB92-231315/REB 92-04 PC **A04**/MF **A01**

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EPA/540/G-88/001
Citizens' Guidance Manual for the Technical Assistance Grant Program.
PB92-101435/REB 92-01 PC **A14**/MF **A03**

EPA/540/G-91/012
Contracting and Subcontracting Guide to the Superfund Program.
PB92-963274/REB 92-04 PC **Free**

EPA/540/K-92/001
Radioactive Site Remediation Technologies Seminar. Speaker Slide Copies.
PB92-231174/REB 92-04 PC **A04**/MF **A01**

EPA/540/M5-91/005
Superfund Innovative Technology Evaluation (SITE): Demonstration Bulletin. Flame Reactor, Horsehead Resource Development Company, Inc.
PB92-235613/REB 92-04 PC **A01**/MF **A01**

EPA/540/P-91/013
Guidance on Site Assessment Cooperative Agreements.
PB92-224385/REB 92-04 PC **A03**/MF **A01**

EPA/540/R-92/001
Technology Evaluation Report: Ogden Circulating Bed Combustor at the McColl Superfund Site.
PB92-227289/REB 92-04 PC **A04**/MF **A01**

EPA/540/R-92/005
Presentations EPA-State Soil Standards Conference. Held in Crystal City, Virginia on January 29, 1991.
PB92-963350/REB 92-01 PC **A08**/MF **A02**

EPA/540/R-92/009
Community Relations in Superfund: A Handbook.
PB92-963341/REB 92-01 PC **A12**/MF **A03**

EPA/540/R-92/012
Superfund Innovative Technology Evaluation Program: Spring Update to the Technology Profiles. Fourth Edition.
PB92-233121/REB 92-04 PC **A03**/MF **A01**

EPA/540/R-92/013A
Guide for Conducting Treatability Studies under CERCLA: Chemical Dehalogenation.
PB92-169044/REB 92-04 PC **A05**/MF **A01**
Guide for Conducting Treatability Studies under CERCLA: Chemical Dehalogenation. Final Report.
PB92-231307/REB 92-04 PC **A05**/MF **A01**

EPA/540/R-92/013B
Chemical Dehalogenation Treatability Studies under CERCLA: An Overview.
PB92-169275/REB 92-04 PC **A02**/MF **A01**
Chemical Dehalogenation Treatability Studies under CERCLA: An Overview.
PB92-231299/REB 92-04 PC **A02**/MF **A01**

EPA/540/R-92/015
Technology Evaluation Report: Site Program Demonstration of a Trial Excavation at the McColl Superfund Site.
PB92-226448/REB 92-04 PC **A10**/MF **A03**

EPA/540/R-92/016A
Guide for Conducting Treatability Studies under CERCLA Solvent Extraction. Interim Guidance.
PB92-239581/REB 92-04 PC **A03**/MF **A01**

EPA/540/R-92/016B
Guide for Conducting Treatability Studies under CERCLA: Solvent Extraction Quick Reference Fact Sheet.
PB92-239599/REB 92-04 PC **A02**/MF **A01**

EPA/540/R-92/017A
Technology Evaluation Report: Babcock and Wilcox Cyclone Furnace Vitrification Technology. Volume 1.
PB92-222215/REB 92-04 PC **A06**/MF **A02**

EPA/540/RS-92/126
Reregistration Eligibility Document (RED): Fosetyl-Al (Aliette).
PB92-114339/REB 92-01 PC **A04**/MF **A01**

EPA/540/RS-92/127
Reregistration Eligibility Document (RED): Heliothis zea NPV (List A, Case Number 151).
PB92-111863/REB 92-01 PC **A03**/MF **A01**

EPA/540/RS-92/128
Reregistration Eligibility Document (RED): Methoprene (List A, Case 0030).
PB92-111855/REB 92-01 PC **A03**/MF **A01**

EPA/540/RS-92/161
Reregistration Eligibility Document (RED): Sulfur (List A, Case 0031).
PB92-114453/REB 92-01 PC **A04**/MF **A01**

EPA/540/RS-92/162
Reregistration Elegibility Document (RED): Potassium Bromide.
PB92-114362/REB 92-01 PC **A03**/MF **A01**

EPA/540/RS-92/164
Reregistration Eligibility Document (RED): Warfarin.
PB92-126739/REB 92-01 PC **A04**/MF **A01**

EPA/540/RS-92/167
Reregistration Eligibility Document (RED): Warfarin. Appendices C-H.
PB92-126747/REB 92-01 PC **A06**/MF **A02**

EPA/540/RS-92/181
Reregistration Eligibility Document (RED): Propionic Acid.
PB92-161983/REB 92-01 PC **A03**/MF **A01**

EPA/540/RS-92/182
Reregistration Eligibility Document (RED): Dried Blood.
PB92-161942/REB 92-01 PC **A03**/MF **A01**

EPA/540/RS-92/184
Reregistration Eligibility Document (RED): Inorganic Nitrate/Nitrite (Sodium and Potassium Nitrates).
PB92-161975/REB 92-01 PC **A03**/MF **A01**

EPA/540/RS-92/185
Reregistration Eligibility Document (RED): Carbon and Carbon Dioxide.
PB92-161926/REB 92-01 PC **A03**/MF **A01**

EPA/540/RS-92/186
Reregistration Eligibility Document (RED). Sodium Diacetate.
PB92-161934/REB 92-01 PC **A03**/MF **A01**

EPA/540/RS-92/187
Reregistration Eligibility Document (RED): Silicon Dioxide and Silica Gel.
PB92-161900/REB 92-01 PC **A04**/MF **A01**

EPA/540/RS-92/193
Reregistration Eligibiligy Document (RED): Sodium and Calcium Hypochlorites.
PB92-180116/REB 92-01 PC **A04**/MF **A01**

EPA/540/RS-92/202
Reregistration Eligibility Document (RED): Heptachlor.
PB92-191105/REB 92-01 PC **A06**/MF **A02**

EPA/540/RS-92/207
Reregistration Eligibility Document (RED): 'Allium sativum' (Garlic).
PB92-220235/REB 92-04 PC **A07**/MF **A02**

EPA/540/RS-92/208
Reregistration Eligibility Document (RED): Alkyl Amine Hydrochloride.
PB92-220219/REB 92-04 PC **A06**/MF **A02**

EPA/540/RS-92/209
Reregistration Eligibility Document (RED): Putrescent Whole Egg Solids.
PB92-220227/REB 92-04 PC **A06**/MF **A02**

EPA/540/RS-92/214
Reregistration Eligibility Document (RED): Citric Acid.
PB92-221829/REB 92-04 PC **A06**/MF **A02**

EPA/540/RS-92/217
Reregistration Eligibility Document (RED): Indole-3-Butyric Acid. (List B, Case 2330).
PB92-238526/REB 92-04 PC **A12**/MF **A03**

EPA/540/S5-90/007
Technology Demonstration Summary, DuPont/Oberlin Microfiltration System, Palmerton, Pennsylvania. April-May 1992.
PB92-224351/REB 92-04 PC **A02**/MF **A01**

EPA/540/S5-91/003
Technology Demonstration Summary: Bio Trol Soil Washing System for Treatment of a Wood Preserving Site.
PB92-224393/REB 92-04 PC **A02**/MF **A01**

EPA/540/S-92/001
Chemical Enhancements to Pump-and-Treat Remediation. Ground Water Issue.
PB92-180074/REB 92-01 PC **A03**/MF **A01**

EPA/540/S-92/002
TCE Removal from Contaminated Soil and Ground Water. Ground Water Issue.
PB92-224104/REB 92-04 PC **A03**/MF **A01**

EPA/540/S-92/003
In-situ Bioremediation of Contaminated Ground Water.
PB92-224336/REB 92-04 PC **A03**/MF **A01**

EPA/540/S-92/004
Evaluation of Soil Venting Application. Ground Water Issue.
PB92-232362/REB 92-04 PC **A02**/MF **A01**
Evaluation of Soil Venting Application. Ground Water Issue.
PB92-235605/REB 92-04 PC **A02**/MF **A01**

EPA/540/S-92/005
Fundamentals of Ground-Water Modeling. Ground Water Issue.
PB92-232354/REB 92-04 PC **A03**/MF **A01**

EPA/540/S-92/006
Supercritical Water Oxidation: Engineering Bulletin.
PB92-224088/REB 92-04 PC **A02**/MF **A01**

EPA/540/S-92/007
Rotating Biological Contactors. Engineering Bulletin.
PB92-235936/REB 92-04 PC **A02**/MF **A01**

EPA/542/F-92/001
Citizen's Guide to Innovative Treatment Technologies for Contaminated Soils, Sludges, Sediments and Debris.
PB92-235563/REB 92-04 PC **A02**/MF **A01**

EPA/542/F-92/002
Citizen's Guide to How Innovative Treatment Technologies Are Being Successfully Applied at Superfund Sites.
PB92-233071/REB 92-04 PC **A01**/MF **A01**

EPA/542/F-92/003
Citizen's Guide to Soil Washing.
PB92-233097/REB 92-04 PC **A02**/MF **A01**

EPA/542/F-92/004
Citizen's Guide to Solvent Extraction.
PB92-233089/REB 92-04 PC **A01**/MF **A01**

EPA/542/F-92/005
Citizen's Guide to Glycolate Dehalogenation.
PB92-233105/REB 92-04 PC **A02**/MF **A01**

EPA/542/F-92/006
Citizen's Guide to Thermal Desorption.
PB92-232396/REB 92-04 PC **A02**/MF **A01**

EPA/542/F-92/007
Citizen's Guide to In situ Soil Flushing.
PB92-233113/REB 92-04 PC **A02**/MF **A01**

EPA/542/F-92/008
Citizen's Guide to Bioventing.
PB92-235571/REB 92-04 PC **A01**/MF **A01**

EPA/542/F-92/009
Citizen's Guide to Using Indigenous and Exogenous Microorganisms in Bioremediation.
PB92-235589/REB 92-04 PC **A01**/MF **A01**

EPA/542/F-92/010
Citizen's Guide to Air Sparging.
PB92-235597/REB 92-04 PC **A01**/MF **A01**

EPA/542/F-92/012
Procuring Innovative Technologies at Remedial Sites: Q's and A's and Case Studies.
PB92-232388/REB 92-04 PC **A03**/MF **A01**

EPA/542/N-92/001
Tech Trends (Number 8).
PB92-221985/REB 92-04 PC **A01**/MF **A01**

EPA/542/N-92/002
Vendor Information System for Innovative Treatment Technologies (VISITT). Number 1.
PB92-224716/REB 92-04 PC **A02**/MF **A01**

EPA/542/R-92/001
Vendor Information System for Innovative Treatment Technologies. User Manual (VISITT Version 1.0). Number 1.
PB92-221647/REB 92-04 PC **A03**/MF **A01**

EPA/560/2-91/002
Carpet Policy Dialogue. Compendium Report, September 27, 1991.
PB92-115005/REB 92-01 PC **A99**/MF **A06**

EPA/560/4-91/014
Toxics in the Community: National and Local Perspectives. The 1989 Toxics Release Inventory National Report.
PB92-224278/REB 92-04 PC **A24**/MF **A04**

EPA/560/4-92/011
Consolidated List of Chemicals Subject to Reporting under the Emergency Planning and Community Right-to-Know Act. (Title III of the Superfund Amendments and Reauthorization Act of 1986).
PB92-155399/REB 92-01 PC **A04**/MF **A01**

EPA/560/5-89/004
Comparison of Airborne Asbestos Levels Determined by Transmission Electron Microscopy (TEM) Using Direct and Indirect Transfer Techniques.
PB92-191113/REB 92-01 PC **A04**/MF **A01**

EPA/560/5-91/003
Chlorinated Dioxins and Furans in the General U.S. Population: NHATS FY87 Results.
PB92-180157/REB 92-01 PC **A12**/MF **A03**

EPA/560/7-91/008
Risk Assessment, Management, Communication: A Guide to Selected Sources. Volume 4, Number 1.
PB92-114412/REB 92-01 PC **A07**/MF **A02**

EPA/570/9-85/2
Handbook of State Management Practices, July 1984.
PB92-164755/REB 92-01 PC **A08**/MF **A02**

EPA/570/9-86/002
Safe Drinking Water Act: 1986 Amendments.
PB92-140607/REB 92-01 PC **A02**/MF **A01**

EPA/570/9-88/002
Handbook for Special Public Notification for Lead for Public Drinking Water Suppliers.
PB92-164722/REB 92-01 PC **A04**/MF **A01**

EPA/570/9-89/001
Lead in School Drinking Water.
PB92-137439/REB 92-01 PC **A04**/MF **A01**

EPA/570/9-89/008
Protecting Our Drinking Water from Microbes.
PB92-140581/REB 92-01 PC **A03**/MF **A01**

EPA/570/9-89/009
Drinking Water Systems: Three Approaches to Improve Mobile Home Park Compliance.
PB92-164714/REB 92-01 PC **A05**/MF **A02**

EPA/570/9-90/005
Citizen Monitoring: Recommendations to Public Water System Users.
PB92-227255/REB 92-04 PC **A01**/MF **A01**

EPA/570/9-90/006
Citizen Monitoring: Recommendations to Household Well Users.
PB92-227263/REB 92-04 PC **A01**/MF **A01**

EPA/570/9-90/008A
Manual for the Certification of Laboratories Analyzing Drinking Water. Criteria and Procedures Quality Assurance. Third Edition. Change 1.
PB92-150390/REB 92-01 PC **A03**/MF **A01**

EPA/570/9-90/012
Risk Assessment Methodologies: Comparing EPA and State Approaches.
PB92-137462/REB 92-01 PC **A05**/MF **A01**

EPA/570/9-90/013
Drinking Water from Household Wells.
PB92-140573/REB 92-01 PC **A03**/MF **A01**

EPA/570/9-90/014
Paying for Safe Water: Alternative Financing Mechanisms for State Drinking Water Programs.
PB92-117993/REB 92-01 PC **A04**/MF **A01**

EPA/570/9-91/003
Manual of Small Public Water Supply Systems.
PB92-117936/REB 92-01 PC **A10**/MF **A03**

EPA/570/9-91/004
Manual of Individual and Non-Public Water Supply Systems.
PB92-117944/REB 92-01 PC **A09**/MF **A02**

EPA/570/9-91/005
Study of State Operator Certification Programs.
PB92-137199/REB 92-01 PC **A05**/MF **A01**

Is Your Drinking Water Safe.
PB92-232198/REB 92-04 PC **A03**/MF **A01**

EPA/570/9-91/022
Summary of Phase II Regulations: National Primary Drinking Water Regulation for 38 Inorganic and Synthetic Organic Chemicals.
PB92-122969/REB 92-01 PC **A04**/MF **A01**

EPA/579/09-91/020
Another Look: National Survey of Pesticides in Drinking Water Wells. Phase 2 Report.
PB92-120831/REB 92-01 PC **E05**/MF **A03**

EPA/580/CE-91/002
Bibliography of Materials on the Emergency Planning and Community Right-to-Know Act (Title III of SARA).
PB92-224823/REB 92-04 PC **A03**/MF **A01**

EPA/600/2-91/006
Techniques to Determine Spatial Variations in Hydraulic Conductivity of Sand and Gravel.
PB92-109123/REB 92-01 PC **A03**/MF **A01**

EPA/600/2-91/026
Running a Conference as a Clean Product. International Conference on Pollution Prevention: Clean Technologies and Clean Products. Held in Washington, DC. on June 10-13, 1990.
PB92-109099/REB 92-01 PC **A03**/MF **A01**

EPA/600/2-91/043
Regional Assessment of Aquifer Vulnerability and Sensitivity in the Conterminous United States.
PB92-100148/REB 92-01 PC **A15**/MF **A03**

EPA/600/2-91/044A
Volumetric Leak Detection in Large Underground Storage Tanks. Volume 1.
PB92-114966/REB 92-01 PC **A05**/MF **A01**

EPA/600/2-91/044B
Volumetric Leak Detection in Large Underground Storage Tanks. Volume 2. Appendices A through E.
PB92-114974/REB 92-01 PC **A05**/MF **A01**

EPA/600/2-91/051
Achievements in Source Reduction and Recycling for Ten Industries in the United States.
PB92-137470/REB 92-01 PC **A04**/MF **A01**

EPA/600/2-91/052
Fate of Polychlorinated Biphenyls (PCBs) in Soil Following Stabilization with Quicklime.
PB92-114487/REB 92-01 PC **A07**/MF **A02**

EPA/600/2-91/053
Assessing UST Corrective Action Technology: A Scientific Evaluation of the Mobility of Organic Contaminants in Subsurface Environments.
PB92-114552/REB 92-01 PC **A16**/MF **A03**

EPA/600/2-91/054
Waste Minimization Opportunity Assessment: Scott Air Force Base.
PB92-105402/REB 92-01 PC **A06**/MF **A02**

EPA/600/2-91/055
Analysis of Factors Affecting Methane Gas Recovery from Six Landfills.
PB92-101351/REB 92-01 PC **A13**/MF **A03**

EPA/600/2-91/056
Manual for Non-CFC Aerosol Packaging: Conversion from CFC to Hydrocarbon Propellants.
PB92-101344/REB 92-01 PC **A10**/MF **A03**

EPA/600/2-91/057
Liquid and Gaseous Fuel Distribution System.
PB92-115203/REB 92-01 PC **A03**/MF **A01**

EPA/600/2-91/058
Pilot-Scale Incineration of Contaminated Soil from the Purity Oil Sales and McColl Superfund Sites.
PB92-105857/REB 92-01 PC **A04**/MF **A01**

EPA/600/2-91/059
Improvement of PMN Review Procedures to Estimate Protective Clothing Performance. Executive Summary Report.
PB92-105691/REB 92-01 PC **A03**/MF **A01**

EPA/600/2-91/060
Review of Energy Efficiency of Refrigerator/Freezer Gaskets.
PB92-106913/REB 92-01 PC **A03**/MF **A01**

EPA/600/2-91/061
Evaluation of VOC Emissions from Heated Roofing Asphalt.
PB92-115286/REB 92-01 PC **A04**/MF **A01**

EPA/600/2-91/062
Model of Virus Transport in Unsaturated Soil.
PB92-119957/REB 92-01 PC **A07**/MF **A02**

EPA/600/2-91/063
Radium Removal from Water by Manganese Dioxide Adsorption and Diatomaceous Earth Filtration.
PB92-115260/REB 92-01 PC **A05**/MF **A01**

EPA/600/2-91/064
Identification of Sources of Ground-Water Salinization Using Geochemical Techniques.
PB92-119650/REB 92-01 PC **A12**/MF **A03**

EPA/600/2-91/065
RETC Code for Quantifying the Hydraulic Functions of *Unsaturated Soils. Documentation.*
PB92-119668/REB 92-01 PC **A05**/MF **A01**

EPA/600/2-91/066
Automotive and Heavy-Duty Engine Coolant Recycling by Filtration. Technology Evaluation Report.
PB92-126804/REB 92-01 PC **A05**/MF **A01**

EPA/600/2-91/067
Evaluation of Five Waste Minimization Technologies at the General Dynamics Pomona Division Plant.
PB92-125756/REB 92-01 PC **A04**/MF **A01**

EPA/600/3-91/039
Modeling of Nonpoint Source Water Quality in Urban and Non-urban Areas.
PB92-109115/REB 92-01 PC **A05**/MF **A01**

EPA/600/3-91/046
Application of a Water Quality Assessment Modeling System at a Superfund Site.
PB92-164490/REB 92-01 PC **A05**/MF **A01**

EPA/600/3-91/051
Forest Health Monitoring Plot Design and Logistics Study.
PB92-118447/REB 92-01 PC **A06**/MF **A02**

EPA/600/3-91/052
Laboratory and Field Evaluations of a Methodology for Determining Hexavalent Chromium Emissions from Stationary Sources.
PB92-101336/REB 92-01 PC **A06**/MF **A02**

EPA/600/3-91/053
Environmental Monitoring and Assessment Program (EMAP) Design Report.
PB92-103449/REB 92-01 PC **A04**/MF **A01**

EPA/600/3-91/055
Evaluating the Utility of Natural Vegetation in Assessing Arctic Accumulation of Air Toxics.
PB92-103464/REB 92-01 PC **A08**/MF **A02**

EPA/600/3-91/056
Impact of Conservation Tillage Use on Soil and Atmospheric Carbon in the Contiguous United States.
PB92-113448/REB 92-01 PC **A03**/MF **A01**

EPA/600/3-91/058
Evaluating Created Wetlands through Comparisons with Natural Wetlands.
PB92-111566/REB 92-01 PC **A03**/MF **A01**

EPA/600/3-91/059
Final Quality Assurance Report for the Tampa, Florida Wetlands Study.
PB92-113000/REB 92-01 PC **A09**/MF **A03**

EPA/600/3-91/060
Quality Assurance Project Plan: Tampa, Florida Wetlands Study.
PB92-122761/REB 92-01 PC **A11**/MF **A03**

EPA/600/3-91/062
Estimating Critical Loads of Sulfate to Surface Waters in the Northeastern United States: A Comparative Assessment of Three Procedures for Estimating Critical Loads of Sulfate for Lakes.
PB92-119015/REB 92-01 PC **A03**/MF **A01**

EPA/600/3-91/063
Guidelines for Conducting Early Life Stage Toxicity Tests with Japanese Medaka 'Oryzias latipes'.
PB92-137488/REB 92-01 PC **A03**/MF **A01**

EPA/600/3-91/064
Guidelines for Culturing the Japanese Medaka, 'Oryzias latipes'.
PB92-137496/REB 92-01 PC **A03**/MF **A01**

EPA/600/3-91/065
Regional Fine Particle Field Study: Data Base and Initial Results.
PB92-106939/REB 92-01 PC **A05**/MF **A01**

EPA/600/3-91/066
Forest Health Monitoring, New England, 1990. Annual Report.
PB92-113018/REB 92-01 PC **A07**/MF **A02**

EPA/600/3-91/067
Assessment of Promising Forest Management Practices and Technologies for Enhancing the Conservation and Sequestration of Atmospheric Carbon and Their Costs at the Site Level.
PB92-122787/REB 92-01 PC **A08**/MF **A02**

EPA/600/3-91/068
Evaluating Design and Verifying Compliance of Created Wetlands in the Vicinity of Tampa, Florida.
PB92-116045/REB 92-01 PC **A06**/MF **A02**

EPA/600/3-91/069
Computerized Risk and Bioaccumulation System (Version 1.0).
PB92-114164/REB 92-01 PC **A03**/MF **A01**

EPA/600/3-91/070
Tropospheric Nitrogen: The Influence of Anthropogenic Sources on Distribution and Deposition.
PB92-126937/REB 92-01 PC **A06**/MF **A02**

EPA/600/3-91/071
Superfund Innovative Technology Evaluation: The Delaware SITE Study, 1989.
PB92-125749/REB 92-01 PC **A08**/MF **A02**

EPA/600/3-91/072
Data User's Guide to the United States Environmental Protection Agency's Long-Term Monitoring Project: Quality Assurance Plan and Data Dictionary.
PB92-239573/REB 92-04 PC **A06**/MF **A02**

EPA/600/3-91/074
Role of Climate in Forest Monitoring and Assessment: A New England Example.
PB92-132885/REB 92-01 PC **A06**/MF **A02**

EPA/600/3-91/075
Numerical Calculation: Aspiration Efficiency of Aerosols into Thin-Walled Sampling Inlets.
PB92-132901/REB 92-01 PC **A06**/MF **A02**

EPA/600/4-89/034-REV
Handbook of Suggested Practices for the Design and Installation of Ground-Water Monitoring Wells (Revised).
PB92-216886/REB 92-04 PC **A11**/MF **A03**

EPA/600/4-90/027
Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms (Fourth Edition).
PB91-167650/REB 92-01 PC **A14**/MF **A03**

EPA/600/4-91/006
Time Spent in Activities, Locations, and Microenvironments: A California-National Comparison.
PB92-140789/REB 92-01 PC **A05**/MF **A01**

EPA/600/4-91/008
Direct/Delayed Response Project: Soil Characterization Comparison.
PB92-153428/REB 92-01 PC **A16**/MF **A03**

EPA/600/4-91/012
Monitoring and Research Strategy for Forests-Environmental Monitoring and Assessment Program.
PB92-146208/REB 92-01 PC **A09**/MF **A02**

EPA/600/4-91/015
Environmental Monitoring and Assessment Program: 1991 Project Descriptors.
PB92-114479/REB 92-01 PC **A06**/MF **A02**

EPA/600/4-91/019
Environmental Monitoring and Assessment Program: Surface Waters Implementation Plan - Northeast Pilot Lake Survey, Summer 1991.
PB92-139948/REB 92-01 PC **A05**/MF **A01**

EPA/600/4-91/023
Practical Directory to Phycovirus Literature.
PB92-132893/REB 92-01 PC **A03**/MF **A01**

EPA/600/4-91/025
Indoor Air Pollutants from Household Product Sources: Project Report.
PB92-136837/REB 92-01 PC **A08**/MF **A02**

EPA/600/4-91/026
Example Environmental Assessment Report for Estuaries.
PB92-102656/REB 92-01 PC **A04**/MF **A01**

EPA/600/4-91/027
Watershed Characterization Using Landsat Thematic Mapper Imagery: Blackfoot River, Montana.
PB92-115237/REB 92-01 PC **A03**/MF **A01**

EPA/600/4-91/028
Superfund Innovative Technology Evaluation Program Demonstration Plan for Westinghouse Bio-Analytic Systems Pentachlorophenol Immunoassays.
PB92-170190/REB 92-01 PC **A08**/MF **A02**

EPA/600/4-91/029
Guide to Site and Soil Description for Hazardous Waste Site Characterization. Volume 1: Metals.
PB92-146158/REB 92-01 PC **A13**/MF **A03**

EPA-600/4-91/030
Offsite environmental monitoring report: Radiation monitoring around United States nuclear test areas. Calendar year 1990.
DE92010386/REB 92-04 PC **A09**/MF **A02**

EPA/600/4-91/032
Measurement of Polycyclic Aromatic Hydrocarbons in Soils and Sediments by Particle-Beam/High-Performance Liquid Chromatography/Mass Spectrometry.
PB92-188721/REB 92-01 PC **A03**/MF **A01**

EPA/600/6-90/006B
Respiratory Health Effects of Passive Smoking: Lung Cancer and Other Disorders.
PB92-182344/REB 92-04 PC **A24**/MF **A04**

EPA/600/6-91/003
Methods for Aquatic Toxicity Identification Evaluations. Phase 1 Toxicity Characterization Procedures. Second Edition.
PB92-100072/REB 92-01 PC **A05**/MF **A01**

EPA/600/6-91/006
Preliminary Risk Assessment for Bacteria in Municipal Sewage Sludge Applied to Land.
PB92-126820/REB 92-01 PC **A10**/MF **A03**

EPA/600/7-91/005
Field Performance of Woodburning and Coalburning Appliances in Crested Butte during the 1989-90 Heating Season.
PB92-106921/REB 92-01 PC **A08**/MF **A02**

EPA/600/7-91/006
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Waste Combustion System Analysis.
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Measurement and Prediction of the Resistivity of Ash/Sorbent Mixtures Produced by Sulfur Oxide Control Processes.
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EPA/600/8-88/105F
Summary of Selected New Information on Effects of Ozone on Health and Vegetation: Supplement to 1986 Air Quality Criteria for Ozone and Other Photochemical Oxidants.
PB92-235670/REB 92-04 PC **A05**/MF **A02**

EPA/600/8-90/044
Indoor Air Assessment: A Review of Indoor Air Quality Risk Characterization Studies.
PB92-109107/REB 92-01 PC **A06**/MF **A02**

EPA/600/8-90/080F
Indoor Air-Assessment: An Inventory of Indoor Air Quality Research in the United States: 1989-1990.
PB92-114545/REB 92-01 PC **A10**/MF **A03**

EPA/600/8-90/083D
Regional Oxidant Model (ROM) User's Guide. Part 4: The ROM System User Tutorial (Processor Network and Core Model).
PB92-120872/REB 92-01 PC **A10**/MF **A03**

EPA/600/8-91/011B
Dermal Exposure Assessment: Principles and Applications.
PB92-205665/REB 92-04 PC **A17**/MF **A04**

EPA/600/8-91/031
Methodology for Assessing Environmental Releases of and Exposure to Municipal Solid Waste Combustor Residuals.
PB92-109149/REB 92-01 PC **A07**/MF **A02**

EPA/600/8-91/037
Health Assessment Document for Vermiculite.
PB92-166834/REB 92-01 PC **A03**/MF **A01**

EPA/600/8-91/043
Protein Adducts for Exposure Monitoring: A Computerized Database. Software and User's Manual.
PB92-155431/REB 92-01 PC **A03**/MF **A01**

EPA/600/8-91/045
Selection of Adduct-Forming Chemicals for Human Monitoring Studies.
PB92-132877/REB 92-01 PC **A05**/MF **A01**

EPA/600/8-91/049AA
Air Quality Criteria for Oxides of Nitrogen. Volume 1.
PB92-176361/REB 92-01 PC **A20**/MF **A04**

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Air Quality Criteria for Oxides of Nitrogen. Volume 2.
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EPA/600/8-91/049CA
Air Quality Criteria for Oxides of Nitrogen. Volume 3.
PB92-176387/REB 92-01 PC **A23**/MF **A04**

EPA/600/8-91/052
Industrial Pollution Prevention Opportunities for the 1990s.
PB91-220376/REB 92-01 PC **A04**/MF **A01**

EPA/600/8-91/053
Upper-Bound Quantitative Cancer Risk Estimate for Populations Adjacent to Sulfur Mustard Incineration Facilities.
PB92-137207/REB 92-01 PC **A03**/MF **A01**

EPA/600/8-91/054
Permit Tracking System (PTS): A User's Manual.
PB92-105659/REB 92-01 PC **A08**/MF **A02**

EPA/600/8-91/200
Parametric Analysis of the Installation and Operating Costs of Active Soil Depressurization Systems for Residential Radon Mitigation.
PB92-116037/REB 92-01 PC **A07**/MF **A02**

EPA/600/8-91/203
Natural Enemy Risk Assessment (NERISK) User's Manual.
PB92-114990/REB 92-01 PC **A03**/MF **A01**

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Marine Debris Survey Manual.
PB92-103456/REB 92-01 PC **A08**/MF **A02**

EPA/600/8-91/205
PIRLA DBMS Quick Reference Guide.
PB92-110824/REB 92-01 PC **A08**/MF **A02**

EPA/600/8-91/206
Recommended Foundation Fill Materials Construction Standard of the Florida Radon Research Program.
PB92-105865/REB 92-01 PC **A03**/MF **A01**

EPA/600/8-91/207
SELCTV System Manual for SELCTV and REFER Databases and the SELCTV Data Management Program.
PB92-113455/REB 92-01 PC **A04**/MF **A01**

EPA/600/8-91/208
Recommended Sub-Slab Depressurization Systems Design Standard of the Florida Radon Research Program.
PB92-105626/REB 92-01 PC **A03**/MF **A01**

EPA/600/8-91/209
Method 25: Determination of Total Gaseous Non-Methane Organic Emissions as Carbon from Stationary Sources.
PB92-113026/REB 92-01 PC **A07**/MF **A02**

EPA/600/8-91/210A
Development of Alternate Performance Standard for Radon Resistant Construction Based on Short-Term/Long-Term Indoor Radon Concentrations. Volume 1. Technical Report.
PB92-115211/REB 92-01 PC **A05**/MF **A01**

EPA/600/8-91/210B
Development of Alternate Performance Standard for Radon Resistant Construction Based on Short-Term/Long-Term Indoor Radon Concentrations. Volume 2. Appendices.
PB92-115229/REB 92-01 PC **A04**/MF **A01**

EPA/600/8-91/212
Standard Measurement Protocols: Florida Radon Research Program.
PB92-115294/REB 92-01 PC **A06**/MF **A02**

EPA/600/8-91/213
Standard Operating Procedures for Lead in Paint by Hotplate - or Microwave-Based Acid Digestions and Atomic Absorption or Inductively Coupled Plasma Emission Spectrometry.
PB92-114172/REB 92-01 PC **A03**/MF **A01**

EPA/600/8-91/214
Standard Operating Procedures for Measurement of Lead in Paint Using the SCITEC MAP-3 X-ray Fluorescence Spectrometer.
PB92-114180/REB 92-01 PC **A04**/MF **A01**

EPA/600/8-91/215
Technical Assistance Document for Sampling and Analysis of Ozone Precursors.
PB92-122795/REB 92-01 PC **A09**/MF **A02**

EPA/600/8-91/216
Global Ecosystems Database. Version 0.1 (Beta-test). EPA Global Climate Research Program. NOAA/NGDC Global Change Database Program. Prototype 1. Database Documentation. NGDC Key to Geophysical Records Documentation No. 25.
PB92-122803/REB 92-01 PC **A16**/MF **A03**

EPA/600/8-91/217
Health Assessment Document for Talc.
PB92-239524/REB 92-04 PC **A04**/MF **A01**

EPA/600/9-91/012
Storm and Combined Sewer Pollution Control: A Compilation of Significant References.
PB92-114560/REB 92-01 PC **A03**/MF **A01**

EPA/600/9-91/014
Proceedings of the International Workshop on Large-Scale Reforestation. Held in Corvallis, Oregon on May 9-10, 1990.
PB92-109131/REB 92-01 PC **A08**/MF **A02**

EPA/600/9-91/016A
Research Strategy for Electric and Magnetic Fields: Research Needs and Priorities.
PB92-170174/REB 92-01 PC **A04**/MF **A01**

EPA/600/9-91/028
International Symposium on Field Screening Methods for Hazardous Wastes and Toxic Chemicals (2nd), Proceedings. Held in Las Vegas, Nevada on February 12-14, 1991.
PB92-125764/REB 92-01 PC **A99**/MF **E08**

EPA/600/9-91/037A
Proceedings: The 1991 International Symposium on Radon and Radon Reduction Technology. Volume 1. Symposium Oral Papers Opening Session and Technical Sessions 1 through 5.
PB92-115351/REB 92-01 PC **A18**/MF **A04**

EPA/600/9-91/037B
Proceedings: The 1991 International Symposium on Radon and Radon Reduction Technology. Volume 2. Symposium Oral Papers Technical Sessions 6 through 10.
PB92-115369/REB 92-01 PC **A19**/MF **A04**

EPA/600/9-91/037C
Proceedings: The 1991 International Symposium on Radon and Radon Reduction Technology. Volume 3. Symposium Panel and Poster Papers Technical Sessions 1 through 5.
PB92-115377/REB 92-01 PC **A20**/MF **A04**

EPA/600/9-91/037D
Proceedings: The 1991 International Symposium on Radon and Radon Reduction Technology. Volume 4. Symposium Poster Papers Technical Sessions 6 through 10.
PB92-115385/REB 92-01 PC **A13**/MF **A03**

EPA/600/9-91/039
Ecological Indicators. Proceedings of an International Symposium. *Held in Fort Lauderdale, Florida on* October 16-19, 1990.
PB92-114131/REB 92-01 PC **A99**/MF **E99**

EPA/600/9-91/041
Plant Tier Testing: A Workshop to Evaluate Nontarget Plant Testing in Subdivision J *Pesticide Guidelines. Held in Cor*vallis, Oregon on November 29-December 1, 1990.
PB92-116052/REB 92-01 PC **A12**/MF **A03**

EPA/600/9-91/042
Workshop Proceedings: The Role of Created and Natural Wetlands in Controlling Nonpoint Source Pollution. Held in Arlington, Virginia on June 10-11, 1991.
PB92-113463/REB 92-01 PC **A13**/MF **A03**

EPA/600/9-91/044
Proceedings of the Workshop on Radon Potential Mapping, Florida Radon Research Program. Held in Gainesville, Florida on April 20, 1990.
PB92-115278/REB 92-01 PC **A04**/MF **A01**

EPA/600/9-91/047
Proceedings of International Workshop on Research in Pesticide Treatment/Disposal/Waste Minimization. Held in Cincinnati, Ohio on February 26-27, 1991.
PB92-119940/REB 92-01 PC **A10**/MF **A03**

EPA/600/A-72/036
Summary, *Projections, and Recommendations.* (Chapter 13).
PB92-152990/REB 92-01 PC **A03**/MF **A01**

EPA/600/A-89/189
Some Constitutive Modifiers of the Kinetic and Dynamic Behavior of Non-Essential Metals.
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EPA/600/A-92/001
Effects of Ozone on Crops.
PB92-136845/REB 92-01 PC **A03**/MF **A01**

EPA/600/A-92/002
New Developments in Emission Projection Methodologies.
PB92-139393/REB 92-01 PC **A02**/MF **A01**

EPA/600/A-92/003
EPA SITE Demonstration of the Horsehead *Resource Development Company Flame Reactor Technology.*
PB92-139401/REB 92-01 PC **A02**/MF **A01**

EPA/600/A-92/004
Co-Existing with Asbestos: A Look at the Engineering Research Program of the U.S. Environmental Protection Agency.
PB92-139419/REB 92-01 PC **A03**/MF **A01**

EPA/600/A-92/005
Seasonal and Annual Biogenic Emission Inventories for the U.S. and Canada.
PB92-139427/REB 92-01 PC **A03**/MF **A01**

EPA/600/A-92/006
Residential Wood Combustion: Issues and Emission Estimation Techniques.
PB92-139435/REB 92-01 PC **A03**/MF **A01**

EPA/600/A-92/007
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EPA/600/A-92/009
Program to Determine Performance of Fluorinated Ethers and Fluorinated Propanes in a Compressor Calorimeter.
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EPA/600/A-92/010
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EPA/600/A-92/013
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EPA/600/A-92/014
MANE: A Multiphase, Aqueous, Non-Steady State, Equilibrium Model for Simulating Soil-Water Interactions.
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EPA/600/A-92/015
Modellierung und Simulation des Verhaltens von Umweltchemikalien in Boeden und Pflanzen (Modeling and Simulation of the Effect of (Environmental) Chemicals in Soil and in Plants).
PB92-143825/REB 92-01 PC **A02**/MF **A01**

EPA/600/A-92/016
Preface and Introduction to 'The Response of Western Forests to Air Pollution'.
PB92-143833/REB 92-01 PC **A02**/MF **A01**

EPA/600/A-92/017
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EPA/600/A-92/018
Kinetics of Chemical Weathering: A Comparison of Laboratory and Field Weathering Rates (Chapter 17).
PB92-143858/REB 92-01 PC **A03**/MF **A01**

EPA/600/A-92/019
Control Technologies for Defunct lead Battery Recycling Sites: Overview and Recent Developments. Volume 3.
PB92-150416/REB 92-01 PC **A03**/MF **A01**

EPA/600/A-92/020
What Can Be Learnt from Protocols Relating to Non-Pharmaceuticals.
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EPA/600/A-92/021
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Solvent Use Emissions Estimation Methodologies: Future Implications.
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Microbial Transport through Porpus Media: The Effects of Hydraulic Conductivity and Injection Velocity.
PB92-150465/REB 92-01 PC **A03**/MF **A01**

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Field Testing Pesticide Transport Models at a Cooperative Test Site Near Plains, Georgia.
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EPA/600/A-92/026
Abiotic Transformations of Pesticides in Natural Waters and Sediments.
PB92-150481/REB 92-01 PC **A03**/MF **A01**

EPA/600/A-92/027
Sunlight-Induced Oxidation and Reduction of Organic Xenobiotics in Water, 1992.
PB92-150499/REB 92-01 PC **A03**/MF **A01**

EPA/600/A-92/028
Vertebrate Toxicology of the Solubilized Parasporal Crystalline Proteins of 'Bacillus thuringiensis' Subsp. 'israelensis'.
PB92-150507/REB 92-01 PC **A03**/MF **A01**

EPA/600/A-92/029
Assessment of Toxicant-Induced Alterations in the Luteinizing Hormone Control of Ovulation in the Rat.
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EPA/600/A-92/030
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EPA/600/A-92/031
PAST: The Potential ARARs Selection Tool.
PB92-152941/REB 92-01 PC **A02**/MF **A01**

EPA/600/A-92/032
Diagnostic Evaluation of Regional Acid Deposition Model (RADM) Performance during a Period of Frontal Passage Using Aircraft Measurements.
PB92-152958/REB 92-01 PC **A06**/MF **A02**

EPA/600/A-92/033
Partitioning of the Sulfate Budget into Gas and Aqueous-Phase Components in the Regional Acid Deposition Model (RADM).
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EPA/600/A-92/034
Investigation of RADM Performance Using Aircraft Measurements.
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EPA/600/A-92/035
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Global Assessment of Promising Forest Management Practices for Sequestration of Carbon.
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Design Issues for Evaluating Seedling Exposure Studies.
PB92-153014/REB 92-01 PC **A02**/MF **A01**

EPA/600/A-92/039
Equilibrium-Analysis of Projected Climate Change Effects on the Global Soil Organic Matter Pool.
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EPA/600/A-92/040
Mineral Weathering Rates in Acid-Sensitive Catchments: Extrapolation of Laboratory Experiments to the Field.
PB92-153030/REB 92-01 PC **A02**/MF **A01**

EPA/600/A-92/041
Sulfur Dynamics of Forest Ecosystems.
PB92-153048/REB 92-01 PC **A04**/MF **A01**

EPA-600/A-92/042
Emissions and Fuel Economy of DOE Flex-Fuel Vehicles.
PB92-153055/REB 92-01 PC **A03**/MF **A01**

EPA/600/A-92/043
Trace Elements, Leaching and Health Risks from Municipal Waste Combustion Ash.
PB92-153311/REB 92-01 PC **A03**/MF **A01**

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Assessment of Diagnostic Measurements for Selection for Residential Radon Mitigation.
PB92-153725/REB 92-01 PC **A03**/MF **A01**

EPA/600/A-92/047
Technology for Reduction of CO2 Emissions from the Transportation Sector.
PB92-153733/REB 92-01 PC **A03**/MF **A01**

EPA/600/A-92/048
Global Carbon Cycle and Climate Change.
PB92-153741/REB 92-01 PC **A03**/MF **A01**

EPA/600/A-92/049
Ductile-to-Brittle Transition Time in Polyethylene Geomembrane Sheet.
PB92-153758/REB 92-01 PC **A02**/MF **A01**

EPA/600/A-92/050
Environmental Protection Agency's Municipal Solid Waste Landfill Liner Design Criteria.
PB92-153766/REB 92-01 PC **A02**/MF **A01**

EPA/600/A-92/051
Waste Minimization for Non-Agricultural Pesticide Applicators: EPA's Pollution Prevention Guide.
PB92-153774/REB 92-01 PC **A02**/MF **A01**

EPA/600/A-92/052
GAC Adsorption of a Mixture of Natural Organic Matter and VOCs in the Presence and Absence of Molecular Oxygen.
PB92-153782/REB 92-01 PC **A03**/MF **A01**

EPA/600/A-92/053
Biological Activity and Potential Remediation Involving Geotextile Landfill Leachate Filters.
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EPA/600/A-92/054
Observations of Transport of Trace Gases by Vigorous Convective Clouds.
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EPA/600/A-92/055
Evaluation of RADM Predictions for a Mesoscale-beta Box Volume over Northeastern Pennsylvania.
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EPA/600/A-92/056
Performances of Lagrangian and Eulerian Transport and Diffusion Models across Continental Scales.
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EPA/600/A-92/057
AcidMODES: A Major Field Study to Evaluate Regional Scale Air Pollution Models.
PB92-158518/REB 92-01 PC **A03**/MF **A01**

EPA/600/A-92/058
Effect of Sub-Grid-Scale Rainfall Analysis on Sulfate Wet Deposition Estimates in the Regional Lagrangian Model of Air Pollution (RELMAP).
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Storage of Combined Sewage in a Marine Waterbody.
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EPA/600/A-92/061
Non-Stormwater Discharges into Storm Drainage Systems.
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EPA/600/A-92/062
Handling and Disposal of Sludges and Residuals from Combined Sewer Overflow Treatment.
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EPA/600/A-92/063
Demonstration of in-Receiving Water Storage of Combined Sewer Overflows: In a Marine/Estuarine Environment by the Flow Balance Method.
PB92-158575/REB 92-01 PC **A02**/MF **A01**

EPA/600/A-92/064
Compound-Induced Alterations of Sexual Differentiation: A Review of Effects in Humans and Rodents.
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EPA/600/A-92/065
Sensory Evoked Potentials: Measures of Neurotoxicity.
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EPA/600/A-92/066
Evaluation of NOx Emissions from TVA Coal-Fired Power Plants.
PB92-164813/REB 92-01 PC **A03**/MF **A01**

EPA/600/A-92/067
Concentrations from Above-Roof Releases of Laboratory Exhausts: A Wind Tunnel Study.
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EPA/600/A-92/068
Stability and Transport of Inorganic Colloids through Contaminated Aquifer Material.
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EPA/600/A-92/069
Clean Air Act Requirements for Trace Metals Information.
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EPA/600/A-92/070
Computer-Assisted Sperm Analysis of Rodent Epididymal Sperm Motility Using the Hamilton-Thorn Motility Analyzer.
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Isolation and Culture of Leydig Cells from Adult Rats.
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*Reflex Modification and the Assessment of Sensory Dys*function.
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Neurobehavioral Toxicology. Chapter 2.
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Preliminary Results of a Pesticide Leaching Study at Plains, Georgia.
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*Column Studies on BTEX Biodegradation under Microaero*philic and Denitrifying Conditions.
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Distribution, Speciation, and Transformation of Chromium in Contaminated Soils and Aquifer Sediments.
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Biotransformation of CIS-1,2-Dichloroethylene in Aquifer Material from Picatinny Arsenal, Morris County, New Jersey.
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EPA/600/A-92/087
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Toxicity of Ammonia, Nitrite, and Nitrate to Fishes.
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5,7-Dihydroxytryptamine Injections Increase Glial Fibrillary Acidic Protein in the Hypothalamus of Adult Rats.
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PB92-108174/REB 92-01 PC **A02**/MF **A01**

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PB92-108182/REB 92-01 PC **A03**/MF **A01**

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EPA/600/J-91/231
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EPA/600/J-91/233
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PB92-108026/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-91/234
Increased Reproduction by Mysids ('Mysidopsis bahia') Fed with Enriched 'Artemia' spp. Nauplii.
PB92-108034/REB 92-01 PC **A02**/MF **A01**

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Influence of Constant and Fluctuating Salinity on Responses of 'Mysidopsis bahia' Exposed to Cadmium in a Life-Cycle Test.
PB92-108042/REB 92-01 PC **A03**/MF **A01**

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PB92-110428/REB 92-01 PC **A02**/MF **A01**

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PB92-110436/REB 92-01 PC **A02**/MF **A01**

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PB92-110477/REB 92-01 PC **A03**/MF **A01**

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Improvement in the Diagnostic Potential of (32)P-Postlabeling Analysis Demonstrated by the Selective Formation and Comparative Analysis of Nitrated-PAH-Derived Adducts Arising from Diesel Particle Extracts.
PB92-110485/REB 92-01 PC **A02**/MF **A01**

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PB92-110493/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-91/247
Compensatory Alterations in Receptor-Stimulated Phosphoinositide Hydrolysis in the Hippocampus Vary as a Function of Dose of Colchicine.
PB92-110501/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-91/248
Quantitative Comparison of Molecular Electrostatic Potentials for Structure-Activity Studies.
PB92-110519/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-91/249
Assessment of Neurotoxicity: Use of Glial Fibrillary Acidic Protein as a Biomarker.
PB92-110527/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-91/250
Concentration of Glial Fibrillary Acidic Protein Increases with Age in the Mouse and Rat Brain.
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EPA/600/J-91/251
Biodegradation of Monoaromatic Hydrocarbons by Aquifer Microorganisms Using Oxygen, Nitrate, or Nitrous Oxide as the Terminal Electron Acceptor.
PB92-110543/REB 92-01 PC **A02**/MF **A01**

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Comparison of In vivo Cholinesterase Inhibition in Neonatal and Adult Rats by Three Organophosphorothioate Insecticides.
PB92-110550/REB 92-01 PC **A03**/MF **A01**

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Trace Metal Fate in a Rotary Kiln Incinerator with an Ionizing Wet Scrubber (Journal Article).
PB92-110568/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-91/254
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PB92-110576/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-91/255
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PB92-113174/REB 92-01 PC **A02**/MF **A01**

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PB92-113182/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-91/257
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PB92-113190/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-91/258
Asbestos Fiber Release during Change-Out of Filter Bags from HEPA-Filtered Vacuum Cleaners.
PB92-113208/REB 92-01 PC **A02**/MF **A01**

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Foliar Injury Symptoms and Pigment Concentrations in Red Spruce Saplings in the Southern Appalachians.
PB92-113216/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-91/260
Can Intensive Management Increase Carbon Storage in Forests.
PB92-113224/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-91/261
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PB92-113232/REB 92-01 PC **A02**/MF **A01**

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Differential Impact of Hypothermia and Pentobarbital on Brain-Stem Auditory Evoked Responses.
PB92-113240/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-91/264
Assessing the Use of Known Mutagens to Calibrate the 'Salmonella typhimurium' Mutagenicity Assay. 1. Without Exogenous Activation.
PB92-113257/REB 92-01 PC **A03**/MF **A01**

Developmental Toxicity of Bromoxynil in Mice and Rats.
PB92-113265/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-91/265
Assessing the Use of Known Mutagens to Calibrate the 'Salmonella typhimurium' Mutagenicity Assay. 2. With Exogenous Activation.
PB92-113273/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-91/266
Modulation of Human Alveolar Macrophage Properties by Ozone Exposure In vitro.
PB92-113281/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-91/267
Significance of Supernumerary Ribs in Rodent Developmental Toxicity Studies: Postnatal Persistence in Rats and Mice.
PB92-113299/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-91/268
Evaluation of 10 Chemicals for Aneuploidy Induction in the Hexaploid Wheat Assay.
PB92-113307/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-91/269
Induction of Micronuclei by X-radiation in Human, Mouse and Rat Peripheral Blood Lymphocytes.
PB92-113315/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-91/270
Enhanced Neurotoxicity of 3,3'-Iminodipropionitrile Following Pretreatment with Carbon Tetrachloride in the Rat.
PB92-113323/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-91/271
Evaluating the Relationship of Metabolic Activation System Concentrations and Chemical Dose Concentrations for the Salmonella Spiral and Plate Assays.
PB92-113331/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-91/272
Toxicity Equivalency Factors for PCBs.
PB92-113349/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-91/273
Evaluation of Immunotoxicity of an Urban Profile of Nitrogen Dioxide: Acute, Subchronic, and Chronic Studies.
PB92-113356/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-91/274
Genotoxic Effects of Complex Marine Sediment Extracts on V79 Chinese Hamster Lung Fibroblasts.
PB92-121318/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-91/275
Influence of Size on Fate and Ecological Effects of Kepone in Physical Models.
PB92-121326/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-91/276
Hydraulic Fracturing to Improve Nutrient and Oxygen Delivery for In situ Bioreclamation.
PB92-121334/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-91/277
Bioventing to Treat Fuel Spills from Underground Storage Tanks.
PB92-121342/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-91/278
Global Carbon Cycle and Climate Change: Responses and Feedbacks from Below-Ground Systems.
PB92-121359/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-91/279
Extraction of Mercury from Groundwater Using Immobilized Algae.
PB92-121367/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-91/280
Stationary Combustion NOx Control: A Summary of the 1991 Symposium. Held in Washington, DC., March 25-28, 1991.
PB92-121375/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-91/281
Role of Gas-Phase Cl2 in the Formation of PCDD/PCDF during Waste Combustion.
PB92-121383/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-91/282
Three Case Studies of Lake Temperature and Stratification Response to Warmer Climate.
PB92-121391/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-91/283
Characteristics of Single Particle Coal Combustion.
PB92-121409/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-91/284
NO/Char Reactions at Pulverized Coal Flame Conditions.
PB92-121417/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-91/285
Non-Equilibrium Effects in the Vaporization of Multicomponent Fuel Droplets.
PB92-121425/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-91/286
Nitric Oxide Formation during Pulverized Coal Combustion.
PB92-121433/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-91/287
Oxidation and Devolatilization of Nitrogen in Coal Char.
PB92-121441/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-91/288
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PB92-124262/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-91/289
Effect of Storage Conditions on Handling and SO2 Reactivity of Ca(OH)2-Based Sorbents.
PB92-124270/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-91/290
Comparison of Animal Infectivity, Excystation, and Fluorogenic Dye as Measures of 'Giardia muris' Cyst Inactivation by Ozone.
PB92-124288/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-91/291
Acid-Volatile Sulfide as a Factor Mediating Cadmium and Nickel Bioavailability in Contaminated Sediments.
PB92-124296/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-91/292
Life History and Toxicological Comparisons of Temperate and Subtropical Mysids.
PB92-124304/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-91/293
Predicting Chemical Reactivity by Computer.
PB92-124312/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-91/294
Estimation of Water Solubility and Octanol/Water Partition Coefficient of Hydrophobic Dyes. Part 2. Reverse-Phase High Performance Liquid Chromatography.
PB92-124338/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-91/295
Estimation of Water Solubility and Octanol/Water Partition Coefficient of Hydrophobic Dyes. Part 1. Relationship between Solubility and Partition Coefficient.
PB92-124320/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-91/296
Environmental Factors Correlated to Dichlorophenol Dechlorination in Anoxic Freshwater Sediments.
PB92-124346/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-91/297
Multispectral Identification of Alkyl and Chloroalkyl Phosphates from an Industrial Effluent.
PB92-124353/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-91/298
Influence of Experimental Conditions on the Liquid Secondary Ion Mass Spectra of Sulfonated Azo Dyes.
PB92-124361/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-91/299
Evaluation of Selected Lipid Methods for Normalizing Pollutant Bioaccumulation.
PB92-124379/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-91/300
U.S. EPA SITE Demonstration of AWD Technologies' AquaDetox/SVE System.
PB92-124387/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-91/301
Excessive Cycling Converts PCR Products to Random-Length Higher Molecular Weight Fragments.
PB92-124577/REB 92-01 PC **A01**/MF **A01**

EPA/600/J-91/302
Neurobehavioral Evaluation System (NES) and School Performance.
PB92-124585/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-91/303
Improved Sample Recovery in Thermocycle Sequencing Protocols.
PB92-124593/REB 92-01 PC **A01**/MF **A01**

EPA/600/J-91/304
Evaluation of the Immunotoxicity of Orally Administered 2-Methoxyacetic Acid in Fischer 344 Rats.
PB92-124601/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-91/305
Dynamics of Behavioral Thermoregulation in the Rat.
PB92-124619/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-91/306
DNA Adducts in Rat Lung, Liver and Peripheral Blood Lymphocytes Produces by i.p. Administration of Benzo(a)Pyrene Metabolites and Derivatives.
PB92-124627/REB 92-01 PC **A01**/MF **A01**

EPA/600/J-91/307
Role of Metallothionein Induction and Altered Zinc Status in Maternally Mediated Developmental Toxicity: Comparison of the Effects of Urethane and Styrene in Rats.
PB92-124635/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-91/308
Developmental Toxicity of TCDD and Related Compounds: Species Sensitivities and Differences.
PB92-124643/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-91/309
Enhance and Prolonged Pulmonary Influenza Virus Infection Following Phosgene Inhalation.
PB92-124650/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-91/310
Acute Effects of Diisopropyl Fluorophosphate (DFP) on Autonomic and Behavioral Thermoregulatory Responses in the Long-Evans Rat.
PB92-124668/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-91/311
Airway Structure Variability in the Long-Evans Rat Lung.
PB92-124676/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-91/312
Rat Sperm Motility Analysis: Methodologic Considerations.
PB92-124684/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-91/313
Use of Bromoergocryptine in the Validation of Protocols for the Assessment of Mechanisms of Early Pregnancy Loss in the Rat.
PB92-124692/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-91/314
In vitro Teratology.
PB92-124700/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-91/315
Neonatal Exposure to Trimethyltin Disrupts Spatial Delayed Alternation Learning in Preweanling Rats.
PB92-124718/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-91/316
Neonatal Exposure to Triethyltin Disrupts Olfactory Discrimination Learning in Preweanling Rats.
PB92-124726/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-91/317
Interlaboratory Comparison of Thermospray and Particle Beam Liquid Chromatography/Mass Spectrometry Interfaces: Evaluation of a Chlorinated Phenoxy Acid Herbicide Liquid Chromatography/Mass Spectrometry Analysis Method.
PB92-124734/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-91/318
Modeling Air Flow Dynamics in Radon Mitigation Systems: A Simplified Approach.
PB92-120427/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-91/319
RCRA Cover Systems for Waste Management Facilities.
PB92-120435/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-91/320
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PB92-120443/REB 92-01 PC **A03**/MF **A01**

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Trajectory and Incineration of Rogue Droplets in a Turbulent Diffusion Flame.
PB92-120450/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-91/322
Potentiation of Inhibition with Perforant Path Kindling: An NMDA-Receptor Dependent Process.
PB92-120468/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-91/323
Colchicine-Induced Deafferentation of the Hippocampus Selectively Disrupts Cholinergic Rhythmical Slow Wave Activity.
PB92-120476/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-91/324
Genotoxicity in Mouse Lymphoma Cells of Chemicals Capable of Michael Addition.
PB92-120484/REB 92-01 PC **A02**/MF **A01**

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Neural Factors in the Development of Renal Function: Effect of Neonatal Central Catecholaminergic Lesions with 6-Hydroxydopamine.
PB92-120492/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-91/326
Mercury Deposition and Sources for the Upper Great Lakes Region.
PB92-120500/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-91/327
Technical Basis for Establishing Sediment Quality Criteria for Nonionic Organic Chemicals Using Equilibrium Partitioning. Annual Review.
PB92-129642/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-91/328
Biodegradation of Creosote and Pentachlorophenol in Contaminated Groundwater: Chemical and Biological Assessment.
PB92-129659/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-91/329
Acclimation of Aquatic Microbial Communities to Hg(II) and CH3Hg(+) in Polluted Freshwater Ponds.
PB92-129667/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-91/330
Relationships of Hg(II) Volatilization from a Freshwater Pond to the Abundance of 'mer' Genes in the Gene Pool of the Indigenous Microbial Community.
PB92-129675/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-91/331
Bench-Scale Evaluation of Alternative Biological Treatment Processes for the Remediation of Pentachlorophenol- and Creosote-Contaminated Materials: Slurry-Phase Bioremediation.
PB92-129683/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-91/332
Ovarian Mycosis in the Topsmelt 'Atherinops affinis'.
PB92-129691/REB 92-01 PC **A01**/MF **A01**

EPA/600/J-91/333
Changes in the Physiological Performance and Energy Metabolism of an Estuarine Mysid 'Mysidopsis bahia' Exposed in the Laboratory through a Complete Life Cycle to the Defoliant DEF.
PB92-129709/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-91/334
Performance Characterization of a Model Bioreactor for the Biodegradation of Trichloroethylene by 'Pseudomonas cepacia' G4.
PB92-129717/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-91/335
Bench-Scale Evaluation of Alternative Biological Treatment Processes for the Remediation of Pentachlorophenol- and Creosote-Contaminated Materials: Solid-Phase Bioremediation.
PB92-129725/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-91/336
Detoxification of Pentachlorophenol and Creosote Contaminated Groundwater by Physical Extraction: Chemical and Biological Assessment.
PB92-129733/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-91/337
Mutants of 'Pseudomonas cepacia' G4 Defective in Catabolism of Aromatic Compounds and Trichloroethylene.
PB92-129741/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-91/338
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PB92-129758/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-91/339
Heterotrophic Bacteria of the Freshwater Neuston and Their Ability to Act as Plasmid Recipients under Nutrient Deprived Conditions.
PB92-129766/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-91/340
Fate of 'Bacillus sphaericus' 2362 Spores Following Ingestion by Nontarget Invertebrates.
PB92-129774/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-91/341
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PB92-129782/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-91/342
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EPA/600/J-91/343
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EPA/600/J-92/003
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PB92-136878/REB 92-01 PC **A02**/MF **A01**

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PB92-136886/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-92/005
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PB92-136894/REB 92-01 PC **A02**/MF **A01**

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Sulfur Dynamics in Mineral Horizons of Two Northern Hardwood Soils. A Column Study with (35)S.
PB92-139955/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/013
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PB92-136951/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-92/015
Selection Kinetics during Serial Cell Culture Passage of Mixtures of Wild-Type 'Autographa californica' Nuclear Polyhedrosis Virus and Its Recombinant Ac360-Beta-gal.
PB92-143874/REB 92-01 PC **A02**/MF **A01**

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Discriminative Stimulus Properties of Triadimefon: Comparison with Methylphenidate.
PB92-143882/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-92/017
Auditory Deficits and Motor Dysfunction Following Iminodipropionitrile Administration in the Rat.
PB92-143890/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-92/018
Influence of Chlordimeform on Alpha-Adrenergic Receptor-Associated Mechanisms of Hormonal Regulation in the Rat: Pituitary and Adrenocortical Secretion.
PB92-143908/REB 92-01 PC **A03**/MF **A01**

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Interlaboratory Comparison of Motor Activity Experiments: Implications for Neurotoxicological Assessments.
PB92-143916/REB 92-01 PC **A03**/MF **A01**

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Effects of Triadimefon on a Multiple Schedule of Fixed-Interval Performance: Comparison with Methylphenidate, d-Amphetamine and Chlorpromazine.
PB92-143932/REB 92-01 PC **A02**/MF **A01**

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Serial Spatial Reversal Learning in Rats: Comparison of Instrumental and Automaintenance Procedures.
PB92-143940/REB 92-01 PC **A02**/MF **A01**

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Gene Probe for PO Messenger RNA Used to Index Acrylamide Toxic Neuropathy in Rats.
PB92-143957/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/024
Interspecies Comparisons of A/D Ratios: A/D Ratios Are Not Constant Across Species.
PB92-143965/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/025
Generation of Recombinant Baculovirus via Liposome-Mediated Transfection.
PB92-143973/REB 92-01 PC **A01**/MF **A01**

EPA/600/J-92/026
Effects of pH, Solid/Solution Ratio, Ionic Strength, and Organic Acids on Pb and Cd Sorption on Kaolinite.
PB92-143981/REB 92-01 PC **A02**/MF **A01**

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Prediction of the Solubility of Hydrophobic Compounds in Nonideal Solvent Mixtures.
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Biotransformation of Monoaromatic and Chlorinated Hydrocarbons at an Aviation Gasoline Spill Site.
PB92-144005/REB 92-01 PC **A03**/MF **A01**

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Control of Aromatic Waste Air Streams by Soil Bioreactors.
PB92-144021/REB 92-01 PC **A02**/MF **A01**

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Ozone Decreases Spring Root Growth and Root Carbohydrate Content in Ponderosa Pine the Year Following Exposure.
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Diurnal Water Relations of Walnut Trees: Implications for Remote Sensing.
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Stress Interactions and Mycorrhizal Plant Response: Understanding Carbon Allocation Priorities.
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Possible Approaches to Establishing Interlaboratory Comparability of Measurements of Polychlorinated Biphenyls in Human Serum.
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EPA/600/J-92/037
Formation of Hemoglobin Adducts of Acrylamide and Its Epoxide Metabolite Glycidamide in the Rat.
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PB92-150531/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-92/039
Forest Soil Response to Acid and Salt Additions of Sulfate: 2. Aluminum and Base Cations.
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EPA/600/J-92/040
Soil Response to S and N Treatments in a Northern New England Low Elevation Coniferous Forest.
PB92-150556/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/041
Forest Soil Response to Acid and Salt Additions of Sulfate: 3. Solubilization and Composition of Dissolved Organic Carbon.
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Spodosol Cation Release and Buffering of Acidic Inputs.
PB92-150580/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-92/044
Near-Continuous Measurement of Hydrogen Sulfide and Carbonyl Sulfide by an Automatic Gas Chromatograph.
PB92-150598/REB 92-01 PC **A02**/MF **A01**

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Predicting the Toxicity of Bulk Sediments to Aquatic Organisms with Aqueous Test Fractions: Pore Water versus Elutriate.
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PB92-150614/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/047
Current Status of ADVACATE Process for Flue Gas Desulfurization (Journal Article).
PB92-150622/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-92/048
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PB92-150630/REB 92-01 PC **A01**/MF **A01**

EPA/600/J-92/050
Contribution of Ammonia, Metals and Nonpolar Organic Compounds to the Toxicity of Sediment Interstitial Water from an Illinois River Tributary.
PB92-150648/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/051
EPA SITE Demonstration of the BioTrol Soil Washing Process.
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EPA/600/J-92/052
U.S. Environmental Protection Agency's SITE Emerging Technology Program: 1991 Update.
PB92-150663/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-92/053
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PB92-150671/REB 92-01 PC **A01**/MF **A01**

EPA/600/J-92/054
Overview, Conclusions, and Recommendations of the IPCS Collaborative Study on Complex Mixtures.
PB92-150689/REB 92-01 PC **A03**/MF **A01**

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Design and Implementation of a Collaborative Study of the Mutagenicity of Complex Mixtures in 'Salmonella typhimurium'.
PB92-150697/REB 92-01 PC **A02**/MF **A01**

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Results of the IPCS Collaborative Study on Complex Mixtures.
PB92-150721/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/059
DNA Adducts of the Antitumor Agent Diaziquone.
PB92-150739/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-92/060
Disposition of 2,3,7,8-Tetrabromodibenzo-p-Dioxin and 2,3,7,8-Tetrachlorodibenzo-p-dioxin in the Rat: Biliary Excretion and Induction of Cytochromes CYP1A1 and CYP1A2.
PB92-150747/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/061
Utility of Light Scatter in the Morphological Analysis of Sperm.
PB92-150754/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/062
Morphological Transformation and DNA Adduct Formation by Benz(j)aceanthrylene and Its Metabolites in C3H10T1/2CL8 Cells: Evidence for Both Cyclopenta-Ring and Bay-Region Metabolic Activation Pathways.
PB92-150762/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-92/063
Effects of NGF and Fetal Cell Transplants on Spatial Learning after Intradentate Administration of Colchicine.
PB92-150770/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/064
Effect of Inhaled Methanol on Pituitary and Testicular Hormones in Chamber Acclimated and Non-Acclimated Rats.
PB92-150788/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92-065
Fungicide Benomyl(Methyl 1-(Butylcarbamoyl)-2-Benzimidazolecarbamate) Causes Testicular Dysfunction by Inducing the Sloughing of Germ Cells and Occlusion of Efferent Ductules.
PB92-150796/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/066
In vitro/In vivo Comparison of Yolk-Sac Function and Embryo Development.
PB92-150804/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-92/067
Host Resistance to Murine Malaria in Mice Exposed to the Adenosine Deaminase Inhibitor, 2'-Deoxycoformycin.
PB92-150812/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/068
Computational Studies of the 3-Dimensional Structure of Cyclopenta Polycyclic Aromatic Hydrocarbons Containing a Gulf Region.
PB92-150820/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/069
Assessing Developmental Hazard: The Reliability of the A/D Ratio.
PB92-150838/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/070
Relationships between Lung Function and Physical Characteristics in Young Adult Black and White Males and Females.
PB92-150846/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/071
90-Day Toxicity Study of Dichloroacetate in Dogs.
PB92-150853/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/072
Myelin Basic Protein-Messenger RNA (MBP-mRNA) Expression during Triethyltin-Induced Myelin Edema.
PB92-150861/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/073
Concentration-Time Models for the Effects of Ozone on Bronchoalveolar Lavage Fluid Protein from Rats and Guinea Pigs.
PB92-150879/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/074
Effects of Chemically Induced Maternal Toxicity on Prenatal Development in the Rat.
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EPA/600/J-92/075
Effect of Pentachlorophenol on the Activation of 2,6-Dinitrotoluene to Genotoxic Urinary Metabolites in CD-1 Mice: A Comparison of GI Enzyme Activities and Urine Mutagenicity.
PB92-150895/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/076
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PB92-153329/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-92/077
Pollution Prevention Methods in the Surface Coating Industry.
PB92-153337/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/078
AL and the Environment: Knowledge-Based Tools for Environmental Decision Makers.
PB92-153345/REB 92-01 PC **A01**/MF **A01**

EPA/600/J-92/079
Zooplankton Population Dynamics in Experimentally Toxified Pond Ecosystems.
PB92-153352/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-92/080
Physical and Chemical Control of Released Microorganisms at Field Sites.
PB92-153360/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-92/081
Nutrient Leaching from Conifer Needles in Relation to Foliar Apoplast Cation Exchange Capacity.
PB92-153378/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-92/082
Evaluation of Wetland Development and Waterbird Response at Elk Creek Wildlife Management Area, Lake Mills, Iowa, 1961 to 1990.
PB92-153386/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/083
Sulfate Retention and Cation Leaching of Forest Soils in Response to Acid Additions.
PB92-153394/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/085
Ten Year Review of Plastics Recycling.
PB92-153402/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/087
Simulation Results of Single Refrigerants for Use in a Dual-Circuit Refrigerator/Freezer.
PB92-153790/REB 92-01 PC **A01**/MF **A01**

EPA/600/J-92/088
Effects of Building Features on Indoor Air and Pollutant Movements.
PB92-153808/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/089
Reduction of Nitrobenzene by Four Sulfide Minerals: Kinetics, Products, and Solubility.
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EPA/600/J-92/090
Hydroxyl Radical Formation in Aqueous Reactions (pH 3-8) of Iron(II) with Hydrogen Peroxide: The Photo-Fenton Reaction.
PB92-153824/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-92/091
Trends in Catskill Stream Water Quality: Evidence from Historical Data.
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EPA/600/J-92/092
Selection of a Base Serum for the Preparation of Quality Control Pools Containing Environment Analytes.
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Leaf Photosynthetic and Water Relations Responses for 'Valencia' Orange Trees Exposed to Oxidant Air Pollution.
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Ecological Regions versus Hydrologic Units: Frameworks for Managing Water Quality.
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Interlaboratory Study of Cellular Fluorescence Intensity Measurements with Fluorescein-Labeled Microbead Standards.
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Interlaboratory Study of Cellular Fluorescence Intensity Measurements with Fluorescein-Labeled Microbead Standards.
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EPA/600/J-92/098
Trends and Patterns in Section 404 Permitting Requiring Compensatory Mitigation in Oregon and Washington, USA.
PB92-153907/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/099
Permeation of Multifunctional Acrylates through Selected Protective Glove Materials.
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EPA/600/J-92/100
Use of Four-Dimensional Data Assimilation in a Limited-Area Mesoscale Model Part 2: Effects of Data Assimilation within the Planetary Boundary Layer.
PB92-153923/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/101
Bioavailability to Plants of Sludge-Borne Toxic Organics.
PB92-153931/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/102
Reclaiming Fiber from Newsprint Dry Methods.
PB92-153949/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/103
Evaluation of Four Aerobiological Sampling Methods for the Retrieval of Aerosolized 'Pseudomonas syringae'.
PB92-158591/REB 92-01 PC **A01**/MF **A01**

EPA/600/J-92/105
Retinoic Acid Alters Epithelial Differentiation during Palaotogenesis.
PB92-158617/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/106
Lotus 1-2-3-Based System for Recording and Maintaining Body Weight of Laboratory Animals.
PB92-158625/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-92/107
Neurobiological Effects of Colchicine: Modulation by Nerve Growth Factor.
PB92-158633/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/108
Comparisons of the Effects of TCDD and Hydrocortisone on Growth Factor Expression Provide Insight into Their Interaction in the Embryonic Mouse Palate.
PB92-158641/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/109
Relationship between Cholinesterase Inhibition and Thermoregulation Following Exposure to Diisopropyl Fluorophosphate in the Rat.
PB92-158658/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-92/110
Intersubject Variability in Human Acute Ozone Responsiveness. Symposium Proceedings.
PB92-158666/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-92/111
Interspecies Sensitivity to Chemical Carcinogens: Relationships between Mouse Skin Tumors and Human Lung Cancer.
PB92-158674/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/112
Deposition Patterns of Cigarette Smoke in Human Airways.
PB92-158682/REB 92-01 PC **A03**/MF **A01**

EPA/600/J-92/113
Transport of Inorganic Colloids through Natural Aquifer Material: Implications for Contaminant Transport.
PB92-158690/REB 92-01 PC **A02**/MF **A01**

EPA/600/J-92/114
Dosimetry of Localized Accumulations of Cigarette Smoke and Radon Progeny at Bifurcations.
PB92-164847/REB 92-01 PC **A03**/MF **A01**

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Waste Minimization Assessment for a Manufacturer of Prototype Printed Circuit Boards.
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Waste Minimization Assessment for a Manufacturer of Speed Reduction Equipment.
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Waste Minimization Assessment for a Manufacturer of Printed Labels.
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EPA/600/M-91/051
EMPA Monitor - March 1992 Edition.
PB92-239557/REB 92-04 PC **A03**/MF **A01**

EPA/600/R-92/001
Documentation of AIRS AMS National Methodologies.
PB92-132869/REB 92-01 PC **A07**/MF **A02**

EPA/600/R-92/002
General Methods for Remedial Operations Performance Evaluations.
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EPA/600/R-92/003A
Emissions of Metals, Chromium and Nickel Species, and Organics from Municipal Wastewater Sludge Incinerators. Volume 1. Summary Report.
PB92-151554/REB 92-01 PC **A04**/MF **A01**

EPA/600/R-92/003B
Emissions of Metals, Chromium and Nickel Species, and Organics from Municipal Wastewater Sludge Incinerators. Volume 2. Site 5 Emission Test Report Hexavalent Chromium Method Evaluation.
PB92-151562/REB 92-01 PC **A05**/MF **A01**

EPA/600/R-92/003C
Emissions of Metals, Chromium and Nickel Species, and Organics from Municipal Wastewater Sludge Incinerators. Volume 3. Site 6 Emissions Test Report.
PB92-151570/REB 92-01 PC **A07**/MF **A02**

EPA/600/R-92/003D
Emissions of Metals, Chromium and Nickel Species, and Organics from Municipal Wastewater Sludge Incinerators. Volume 4. Site 6 Emission Test Report - Appendices.
PB92-151588/REB 92-01 PC **A13**/MF **A03**

EPA/600/R-92/003E
Emissions of Metals, Chromium and Nickel Species, and *Organics from Municipal* Wastewater Sludge Incinerators. Volume 5. Site 7 Test Report CEMS Evaluation.
PB92-151596/REB 92-01 PC **A03**/MF **A01**

EPA/600/R-92/003F
Emissions of Metals, Chromium and Nickel Species, and Organics from Municipal Wastewater Sludge Incinerators. *Volume 6. Site 8* Emission Test Report.
PB92-151604/REB 92-01 PC **A07**/MF **A02**

EPA/600/R-92/003G
Emissions of Metals, Chromium and *Nickel Species, and* Organics from Municipal Wastewater Sludge Incinerators. Volume 7. Site 8 Emission Test Report - Appendices.
PB92-151612/REB 92-01 PC **A16**/MF **A03**

EPA/600/R-92/003H
Emissions of Metals, Chromium and Nickel Species, and Organics from Municipal Wastewater *Sludge Incinerators.* Volume 8. Site 9 Emission Test Report.
PB92-151620/REB 92-01 PC **A08**/MF **A02**

EPA/600/R-92/003I
Emissions of Metals, Chromium and Nickel Species, and Organics from Municipal Wastewater Sludge Incinerators. Volume 9. Site 9 Emission Test Report - *Appendices.*
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Greenhouse Gases from Small-Scale Combustion in Developing Countries: A Pilot Study in Manila.
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EPA/600/R-92/006
Identification and Characterization of Missing or Unaccounted for Area Source Categories.
PB92-139377/REB 92-01 PC **A15**/MF **A03**

EPA/600/R-92/007
Demonstration of Fuel Cells to Recover Energy from Landfill Gas. Phase 1 Final Report: Conceptual Study.
PB92-137520/REB 92-01 PC **A05**/MF **A01**

EPA/600/R-92/008
Radon Pressure Differential Project, Phase 1, Florida Radon Research Program.
PB92-148519/REB 92-01 PC **A04**/MF **A01**

EPA/600/R-92/009
Standardized Costs for Water Supply Distribution Systems.
PB92-141290/REB 92-01 PC **A15**/MF **A03**

EPA/600/R-92/010
Recommended HVAC Standard of the Florida Radon Research Program.
PB92-147909/REB 92-01 PC **A03**/MF **A01**

EPA/600/R-92/011
Characterization of the Wintertime Boise, Idaho, Air Shed: A Comprehensive Field Study Report for the U.S. EPA Office of Air Quality Planning and Standards.
PB92-136803/REB 92-01 PC **A04**/MF **A01**

EPA/600/R-92/012
Analysis and Interpretation of Zooplankton Samples Collected during Phase 2 of the Eastern Lake Survey.
PB92-136829/REB 92-01 PC **A14**/MF **A03**

EPA/600/R-92/013
Pilot Study to Compare Created and Natural Wetlands in Western Washington and Evaluate Methods.
PB92-136811/REB 92-01 PC **A04**/MF **A01**

EPA/600/R-92/014
Limited-Use Chemical Protective Clothing for EPA Superfund Activities.
PB92-143494/REB 92-01 PC **A03**/MF **A01**

EPA/600/R-92/015
Integrating Sustainable Agriculture, Ecology, and Environmental Policy. Proceedings of a Workshop. Held in Arlington, Virginia, on July 22-23, 1991.
PB92-137975/REB 92-01 PC **A11**/MF **A03**

EPA/600/R-92/017
Performance of Chlorine-Free Binary Zeotropic Refrigerant Mixtures in a Heat Pump.
PB92-149814/REB 92-01 PC **A05**/MF **A01**

EPA/600/R-92/020
Effects of Glean, a Sulfonylurea Herbicide, on the Reproductive Biology and Fruit Set in Cherry Trees. Progress Report to Region 10.
PB92-142652/REB 92-01 PC **A03**/MF **A01**

EPA/600/R-92/022
Alaska North Slope Oil-Field Restoration Research Strategy.
PB92-151653/REB 92-01 PC **A04**/MF **A01**

EPA/600/R-92-023
Reduction of Disinfection By-Product Precursors by Nanofiltration.
PB92-149269/REB 92-01 PC **E99**/MF **A06**

EPA/600/R-92/024
Automotive and Heavy-Duty Engine Coolant Recycling by Distillation: Technology Evaluation Report.
PB92-153444/REB 92-01 PC **A05**/MF **A01**

EPA/600/R-92/025
Indoor Air Quality Data Base for Organic Compounds.
PB92-158468/REB 92-01 PC **A04**/MF **A01**

EPA/600/R-92/027
Asbestos Concentrations Two Years After Abatement in Seventeen Schools.
PB92-158476/REB 92-01 PC **A03**/MF **A01**

EPA/600/R-92/028
Annual Risk Reduction Engineering Laboratory Research Symposium (18th) Abstract Proceedings. Held in Cincinnati, Ohio on April 14-16, 1992.
PB92-166859/REB 92-01 PC **A11**/MF **A03**

EPA/600/R-92/029
Report of the Great Lakes Air Toxics Research Priorities Workshop. Held at Navarre, Minnesota on March 11-13, 1991.
PB92-166933/REB 92-01 PC **A03**/MF **A01**

EPA/600/R-92/030
Dense Nonaqueous Phase Liquids: A Workshop Summary. Held in Dallas, Texas on April 16-18, 1991.
PB92-178938/REB 92-01 PC **A05**/MF **A01**

EPA/600/R-92/031
Reclamation and Redevelopment of Contaminated Land. Volume 2. European Case Studies.
PB92-146166/REB 92-01 PC **A13**/MF **A03**

EPA/600/R-92/032
Superfund Innovative Technology Evaluation (Site) Report for the Westinghouse Bio-Analytic Systems Pentachlorophenol (PCP) Immunoassays.
PB92-188713/REB 92-01 PC **A06**/MF **A02**

EPA/600/R-92/033
Characterizing Heterogeneous Wastes: Methods and Recommendations (March 26-28, 1991).
PB92-216894/REB 92-04 PC **A08**/MF **A02**

EPA/600/R-92/035
Separation of Hazardous Organics by Low Pressure Membranes: Treatment of Soil-Wash Rinse-Water Leachates.
PB92-153436/REB 92-01 PC **A07**/MF **A02**

EPA/600/R-92/036
GIS Technical Memorandum 3: Global Positioning Systems Technology and Its Application in Environmental Programs.
PB92-169358/REB 92-01 PC **A04**/MF **A01**

EPA/600/R-92/037
Development of an Empirical Model of Methane Emissions from Landfills.
PB92-152875/REB 92-01 PC **A06**/MF **A02**

EPA/600/R-92/039
Exposure and Release Estimations for Filter Press and Tray Dryer Operations Based on Pilot Plant Data.
PB92-158450/REB 92-01 PC **A14**/MF **A03**

EPA/600/R-92/041
Detecting Water Flow Behind Pipe in Injection Wells.
PB92-239532/REB 92-04 PC **A05**/MF **A01**

EPA/600/R-92/042
Methodologies for Evaluating In situ Bioremediation of Chlorinated Solvents.
PB92-146943/REB 92-01 PC **A05**/MF **A02**

EPA/600/R-92/043
Bioremediation Case Studies: An Analysis of Vendor Supplied Data.
PB92-232339/REB 92-04 PC **A03**/MF **A01**

EPA/600/R-92/044
Bioremediation Case Studies: Abstracts.
PB92-232347/REB 92-04 PC **A12**/MF **A03**

EPA/600/R-92/046
Pollution Prevention Case Studies Compendium.
PB92-180165/REB 92-01 PC **A06**/MF **A02**

EPA/600/R-92/047
Reference Guide to Odor Thresholds for Hazardous Air Pollutants Listed in the Clean Air Act Amendments of 1990.
PB92-239516/REB 92-04 PC **A05**/MF **A01**

EPA/600/R-92/048
Removing Radium from Water by Plain and Treated Activated Alumina.
PB92-164789/REB 92-01 PC **A05**/MF **A01**

EPA/600/R-92/049
Permeation of Multifunctional Acrylates through Three Protective Clothing Materials.
PB92-164797/REB 92-01 PC **A06**/MF **A02**

EPA/600/R-92/050
Evaluation of the Fourier Transform Infrared Spectrometer for Particle-Associated Ammonium Sulfate Determination.
PB92-160084/REB 92-01 PC **A04**/MF **A01**

EPA/600/R-92/051
Operations and Research at the U.S. EPA Incineration Research Facility: Annual Report for FY91.
PB92-239540/REB 92-04 PC **A06**/MF **A02**

EPA/600/R-92/052A
Proceedings: 1989 International Conference on Municipal Waste Combustion. Volume 1. Sessions 0, 1, 2, and 3. Held in Hollywood, Florida, on April 11-14, 1989.
PB92-174663/REB 92-01 PC **A19**/MF **A04**

EPA/600/R-92/052B
Proceedings: 1989 International Conference on Municipal Waste Combustion. Volume 2. Sessions 4, 5, and 6. Held in Hollywood, Florida on April 11-14, 1989.
PB92-174671/REB 92-01 PC **A19**/MF **A04**
Proceedings: 1989 International Conference on Municipal Waste Combustion. Volume 4. Sessions 9, 10, 11, and 12. Held in Hollywood, Florida on April 11-14, 1989.
PB92-174697/REB 92-01 PC **A21**/MF **A04**

EPA/600/R-92/052C
Proceedings: 1989 International Conference on Municipal Waste Combustion. Volume 3. Sessions 7 and 8. Held in Hollywood, Florida, on April 11-14, 1989.
PB92-174689/REB 92-01 PC **A19**/MF **A04**

EPA/600/R-92/055
Theoretical Evaluation of Stability of Volatile Organic Chemicals and Polar Volatile Organic Chemicals in Canisters.
PB92-166941/REB 92-01 PC **A03**/MF **A01**

EPA/600/R-92/056
Air Pollution Effects on Biodiversity.
PB92-170166/REB 92-01 PC **A15**/MF **A03**

EPA/600/R-92/057
Technical Aspects of Underground Storage Tank Closure.
PB92-161199/REB 92-01 PC **A04**/MF **A01**

EPA/600/R-92/058
Controlling Odorous Emissions from Iron Foundries.
PB92-166925/REB 92-01 PC **A03**/MF **A01**

EPA/600/R-92/059
Natural Basement Ventilation as a Radon Mitigation Technique.
PB92-166958/REB 92-01 PC **A03**/MF **A01**

EPA/600/R-92/060
Wetlands Research Plan FY92-96: An Integrated Risk-Based Approach.
PB92-178946/REB 92-01 PC **A07**/MF **A02**

EPA/600/R-92/064
Preliminary Risk Assessment for Viruses in Municipal Sewage Sludge Applied to Land.
PB92-198548/REB 92-01 PC **A09**/MF **A03**

EPA/600/R-92/065
Pilot-Scale Evaluation of the Thermal Stability POHC Incinerability Ranking.
PB92-166966/REB 92-01 PC **A11**/MF **A03**

EPA/600/R-92/066
Workshop: Application of Microcosms for Assessing the Risk of Microbial Biotechnology Products. Held in Hunt Valley, Maryland on May 19, 1992.
PB92-216951/REB 92-04 PC **A07**/MF **A02**

EPA/600/R-92/067
Sensitivity of Modeled Ozone Concentrations to Uncertainties in Biogenic Emissions.
PB92-192202/REB 92-01 PC **A10**/MF **A03**

EPA/600/R-92/068
Pilot-Scale Incineration of PCB-Contaminated Sediments from the New Bedford Harbor Hot Spot Superfund Site.
PB92-178953/REB 92-01 PC **A09**/MF **A03**

EPA/600/R-92/069
Evaluation of the Chemical Resistance of Geotextiles, Geonet and Pipe.
PB92-170562/REB 92-01 PC **A05**/MF **A01**

EPA/600/R-92/070
User's Guide and Data Dictionary for Kenai Lakes Investigation Project.
PB92-178961/REB 92-01 PC **A03**/MF **A01**

EPA/600/R-92/071
Evaluation of VOST and SemiVOST Methods for Halogenated Compounds in the Clean Air Act Amendments Title III, Bench and Laboratory Studies.
PB92-178979/REB 92-01 PC **A03**/MF **A01**

EPA/600/R-92/073
Statistical Issues in Environmental Monitoring and Assessment.
PB92-178987/REB 92-01 PC **A03**/MF **A01**

EPA/600/R-92/074
Kinetic Properties of Malic Dehydrogenase from Three Cultivars of Rice.
PB92-178995/REB 92-01 PC **A03**/MF **A01**

EPA/600/R-92/077
NEXRAD Precipitation Information Application Forum Climate and Global Change.
PB92-180082/REB 92-01 PC **A03**/MF **A01**

EPA/600/R-92/079
Status Report on Planktonic Cyanobacteria (Blue-Green Algae) and Their Toxins.
PB92-206259/REB 92-04 PC **A07**/MF **A02**

EPA/600/R-92/083
Oil and Gas Field Emissions Survey.
PB92-184977/REB 92-01 PC **A14**/MF **A03**

EPA-600/R-92/084
Development of a Core Combustion Research Program Plan for EPA.
PB92-180868/REB 92-01 PC **A03**/MF **A01**

EPA/600/R-92/085
Developmental Toxicology: Risk Assessment and the Future.
PB92-184993/REB 92-01 PC **A13**/MF **A03**

EPA/600/R-92/088
Facility Pollution Prevention Guide.
PB92-213206/REB 92-04 PC **A08**/MF **A02**

EPA/600/R-92/089
Study to Determine the Feasibility of Using a Ground-Penetrating Radar for More Effective Remediation of Subsurface Contamination.
PB92-169382/REB 92-04 PC **A06**/MF **A02**

EPA/600/R-92/090
Simplified Modeling of Air Flow Dynamics in SSD Radon Mitigation Systems for Residences with Gravel Beds.
PB92-195635/REB 92-01 PC **A05**/MF **A01**

EPA/600/R-92/091
Statistical Approach to Predicting Chronic Toxicity of Chemicals to Fishes from Acute Toxicity Test Data. Data Tape Documentation.
PB92-169655/REB 92-04 PC **A06**/MF **A02**

EPA/600/R-92/094
Tests of Indoor Air Quality Sinks.
PB92-218346/REB 92-04 PC **A15**/MF **A03**

EPA/600/R-92/095
Potential Impacts of Climate Change on Pacific Northwest Forest Vegetation.
PB92-184985/REB 92-01 PC **A03**/MF **A01**

EPA/600/R-92/096
Potential Reuse of Petroleum-Contaminated Soil: A Directory of Permitted Recycling Facilities.
PB92-173780/REB 92-04 PC **A03**/MF **A01**

EPA/600/R-92/098
Andrew W. Breidenbach Environmental Research Center Small Systems Resource Directory.
PB92-239565/REB 92-04 PC **A04**/MF **A01**

EPA/600/R-92/102
Effects of Natural and Forced Basement Ventilation on Radon Levels in Single Family Dwellings.
PB92-192194/REB 92-01 PC **A04**/MF **A01**

EPA/600/R-92/104A
ESP VI 4.0 Electrostatic Precipitator VI and Performance Prediction Model.
PB92-169614/REB 92-04 PC **A05**/MF **A01**

EPA/600/R-92/105
Arsenic and Mercury Workshop on Removal, Recovery, Treatment and Disposal. Abstract Proceedings. Held in Alexandria, Virginia on August 17-20, 1992.
PB92-216944/REB 92-04 PC **A07**/MF **A02**

EPA/600/R-92/106
Quality Assurance Support for the National Atmospheric Deposition Program and National Trends Network Monitoring Activities. Fourth Progress Report, 1990-1991.
PB92-194000/REB 92-01 PC **A06**/MF **A02**

EPA/600/R-92/107
Acid Aerosol Measurement Intercomparison Workshop. Held in Research Triangle Park, North Carolina on April 10-11, 1991.
PB92-191097/REB 92-01 PC **A15**/MF **A03**

EPA/600/R-92/112
Protocols for Evaluating Oxidant Mechanisms for Urban and Regional Models.
PB92-205848/REB 92-04 PC **A06**/MF **A02**

EPA/600/R-92/114
Modifications to Reduce Drag Out at a Printed Circuit Board Manufacturer.
PB92-198555/REB 92-04 PC **A03**/MF **A01**

EPA/600/R-92/115
Demonstration of Sorbent Injection Technology on a Wall-Fired Utility Boiler (Edgewater Limb Demonstration).
PB92-201136/REB 92-04 PC **A10**/MF **A03**

EPA/600/R-92/116
Landfill Gas Energy Utilization: Technology Options and Case Studies.
PB92-203116/REB 92-04 PC **A09**/MF **A02**

EPA/600/R-92/117
Inorganic Chemical Characterization of Water Treatment Plant Residuals.
PB92-198563/REB 92-04 PC **A08**/MF **A02**

EPA/600/R-92/119
Modeling Radon Entry into Florida Houses with Concrete Slabs and Concrete-Block Stem Walls.
PB92-201128/REB 92-04 PC **A06**/MF **A02**

EPA/600/R-92/120A
Total Hydrocarbon Emission Testing of Wastewater Sludge Incinerators. Volume 1.
PB92-197086/REB 92-04 PC **A05**/MF **A01**

EPA/600/R-92/120B
Total Hydrocarbon Emission Testing of Wastewater Sludge Incinerators. Volume 2. Appendices.
PB92-197094/REB 92-04 PC **A16**/MF **A03**

EPA/600/R-92/124
Air Emissions from the Treatment of Soils Contaminated with Petroleum Fuels and Other Substances.
PB92-212976/REB 92-04 PC **A12**/MF **A03**

EPA/600/R-92/125
HVAC Systems in the Current Stock of U.S. K-12 Schools.
PB92-218338/REB 92-04 PC **A04**/MF **A01**

EPA/600/R-92/127
Mutagenicity of Emissions from the Simulated Open Burning of Scrap Rubber Tires.
PB92-217009/REB 92-04 PC **A04**/MF **A01**

EPA/600/R-92/129
Methods for the Determination of Organic Compounds in Drinking Water. Supplement 2.
PB92-207703/REB 92-04 PC **A12**/MF **A03**

EPA/600/R-92/136
Experimental Design and Instrumentation for a Field Experiment.
PB92-217454/REB 92-04 PC **A05**/MF **A01**

EPA/600/R-92/137
Evaluation of Personal Cooling Devices for Dioxin Clean-Up Operation.
PB92-206895/REB 92-04 PC **A05**/MF **A01**

EPA/600/R-92/138
Higher Plant Accumulation of Organic Pollutants from Soils.
PB92-209378/REB 92-04 PC **A07**/MF **A02**

EPA/600/R-92/141
Recommended Operating Procedure Number 56: Collection of Gaseous Grab Samples from Combustion Sources for Nitrous Oxide Measurement.
PB92-216928/REB 92-04 PC **A03**/MF **A01**

EPA/600/R-92/142
On-Site Engineering Report for the Low-Temperature Thermal Desorption Pilot-Scale Test on Contaminated Soil.
PB92-216936/REB 92-04 PC **A07**/MF **A02**

EPA/600/R-92/143
Acoustic Location of Leaks in Pressurized Underground Petroleum Pipelines.
PB92-207687/REB 92-04 PC **A04**/MF **A01**

EPA/600/R-92/150
Approach to Improving Decision Making in Wetland Restoration and Creation.
PB92-217306/REB 92-04 PC **A08**/MF **A02**

EPA/600/R-92/151
Summary Report for the National Atmospheric Deposition Program/National Trends Network (NADP/NTN) Site Visitation Program for the Period October 1989 through September 1990.
PB92-217298/REB 92-04 PC **A05**/MF **A01**

EPA/600/R-92/152
Summary Report for the National Atmospheric Deposition Program National Trends Network (NADP/NTN) Site Visitation Program.
PB92-219823/REB 92-04 PC **A06**/MF **A02**

EPA/600/R-92/156
Interim Protocol for the Evaluation of Survival of Genetically Engineered Microorganisms by Simulating the Aerial Environment Using a Freeze-Drying Procedure.
PB92-217470/REB 92-04 PC **A03**/MF **A01**

EPA/600/R-92/157
Atlanta Ozone Precursor Monitoring Study Data Report.
PB92-220656/REB 92-04 PC **A08**/MF **A02**

EPA/600/R-92/158
Energy Use of Ice Making in Domestic Refrigerators.
PB92-232206/REB 92-04 PC **A03**/MF **A01**

EPA/600/R-92/160
Protocol for Testing the Effects of Fungal Pesticides on Nontarget Beetles Using 'Hippodamia convergens' (Coleoptera: Coccinellidae).
PB92-217488/REB 92-04 PC **A03**/MF **A01**

EPA/600/R-92/164
Removal of Radium from Drinking Water.
PB92-218320/REB 92-04 PC **A07**/MF **A02**

EPA/600/R-92/169
Control Technology Center FY91: A Fifth Year of Growth.
PB92-238468/REB 92-04 PC **A04**/MF **A01**

EPA/600/R-92/170
Soil Vapor Extraction Column Experiments on Gasoline Contaminated Soil.
PB92-226430/REB 92-04 PC **A05**/MF **A01**

EPA/600/R-92/171
Mobile Air-Conditioning Recycling Manual.
PB92-235688/REB 92-04 PC **A08**/MF **A02**

EPA/600/R-92/176
Chemical Oil Spill Dispersants: Update State-of-the-Art on Mechanisms of Action and Factors Influencing Performance with Emphasis on Laboratory Studies.
PB92-222207/REB 92-04 PC **A05**/MF **A01**

EPA/600/R-92/177
Chemical Oil Spill Dispersants: Evaluation of Three Laboratory Procedures for Estimating Performance.
PB92-222041/REB 92-04 PC **A09**/MF **A03**

EPA/600/R-92/182
Contaminants and Remedial Options at Wood Preserving Sites.
PB92-232222/REB 92-04 PC **A07**/MF **A02**

EPA/600/R-92/184
Toxicity Reduction Evaluation: Case Histories at High Point and Fayetteville, North Carolina.
PB92-222231/REB 92-04 PC **A08**/MF **A02**

EPA/600/R-92/186
Direct/Delayed Response Project: Future Effects of Long-Term Sulfur Deposition on Stream Chemistry in the Mid-Appalachian Region of the Eastern United States.
PB92-232370/REB 92-04 PC **A18**/MF **A04**

EPA/600/R-92/187
Pollution Prevention Opportunity Assessment Histology Laboratory Xylene Use, Fort Carson, Colorado.
PB92-228436/REB 92-04 PC **A05**/MF **A01**

EPA/600/R-92/188
Automated Aqueous Rotary Washer for the Metal Finishing Industry. Technology Evaluation Report.
PB92-232214/REB 92-04 PC **A04**/MF **A01**

EPA/600/S-92/01
Waste Minimization Assessment for a Manufacturer of Sheet Metal Cabinets and Precision Metal Parts.
PB92-196377/REB 92-04 PC **A02**/MF **A01**

EPA/600/S-92/002
Multiphase Chemical Transport in Porous Media.
PB92-205640/REB 92-04 PC **A03**/MF **A01**

EPA/600/S-92/003
Waste Reduction Activities and Options at a Printer of Forms and Supplies for the Legal Profession.
PB92-217496/REB 92-04 PC **A02**/MF **A01**

EPA/600/S-92/004
Waste Minimization Assessment for a Manufacturer of Chemicals.
PB92-203595/REB 92-01 PC **A02**/MF **A01**

EPA/600/S-92/005
Waste Minimization Assessment for a Dairy.
PB92-217264/REB 92-04 PC **A01**/MF **A01**

EPA/600/S-92/006
Waste Minimization Assessment for a Manufacturer of Metal-Cutting Wheels and Components.
PB92-192145/REB 92-01 PC **A02**/MF **A01**

EPA/600/S-92/007
Waste Minimization Assessment for a Manufacturer of Automotive Air Conditioning Condensers and Evaporators.
PB92-188739/REB 92-01 PC **A02**/MF **A01**

EPA/600/S-92/008
Waste Minimization Assessment for a Printed Circuit Board Manufacturer.
PB92-196344/REB 92-04 PC **A02**/MF **A01**

EPA/600/S-92/009
Waste Minimization Assessment for a Manufacturer of Components for Automobile Air Conditioners.
PB92-217272/REB 92-04 PC **A01**/MF **A01**

EPA/600/S-92/010
Waste Minimization Assessment for a Manufacturer of Aluminum Extrusions.
PB92-192137/REB 92-01 PC **A02**/MF **A01**

EPA/600/S-92/011
Waste Minimization Assessment for a Manufacturer Producing Galvanized Steel Parts.
PB92-189695/REB 92-01 PC **A02**/MF **A01**

EPA/600/S-92/012
Waste Minimization Assessment for a Manufacturer of Commercial Ice Machines and Ice Storage Bins.
PB92-196351/REB 92-01 PC **A02**/MF **A01**

EPA/600/S-92/013
Waste Minimization Assessment for a Manufacturer of Water Analysis Instrumentation.
PB92-217280/REB 92-04 PC **A01**/MF **A01**

EPA/600/S-92/014
Waste Minimization Assessment for a Manufacturer of Can-Manufacturing Equipment.
PB92-196385/REB 92-04 PC **A01**/MF **A01**

EPA/600/S-92/015
Waste Minimization Assessment for a Manufacturer of Metal Bands, Clamps, Retainers, and Tooling.
PB92-188747/REB 92-01 PC **A02**/MF **A01**

EPA/600/S-92/016
Waste Minimization Assessment for a Manufacturer of Permanent-Magnet DC Electric Motors.
PB92-196369/REB 92-04 PC **A02**/MF **A01**

EPA/600/S-92/017
Waste Minimization Assessment for a Manufacturer of Military Furniture.
PB92-217256/REB 92-04 PC **A01**/MF **A01**

EPA/600/S-92/018
Waste Minimization Assessment for an Aluminum Extrusions Manufacturer.
PB92-196393/REB 92-04 PC **A02**/MF **A01**

EPA/600/S-92/019
Waste Minimization Assessment for a Manufacturer of Metal-Plated Display Racks.
PB92-189703/REB 92-01 PC **A02**/MF **A01**

EPA/600/S-92/020
Waste Minimization Assessment for a Manufacturer of Motor Vehicle Exterior Mirrors.
PB92-192606/REB 92-01 PC **A01**/MF **A01**

EPA/600/S-92/022
Waste Minimization Assessment for a Manufacturer Producing Treated Wood Products.
PB92-196401/REB 92-04 PC **A01**/MF **A01**

EPA/600/S-92/025
Waste Reduction Activities and Options for a Nuclear Powered Electrical Generating Station.
PB92-235654/REB 92-04 PC **A02**/MF **A01**

EPA/600/S-92/027
Waste Reduction Activities and Options for a Local Board of Education in New Jersey.
PB92-238476/REB 92-04 PC **A02**/MF **A01**

EPA/600/V-92/001
America's Ecological Report Card: Environmental Monitoring and Assessment Program (EMAP) (Video).
PB92-780865/REB 92-04 AV**$35.00**

EPA/625/2-79/021
Capsule Report: Particulate Control by Fabric Filtration on Coal-Fired Industrial Boilers.
PB92-179894/REB 92-01 PC **A03**/MF **A01**

EPA/625/2-79/022
Capsule Report: Bahco Flue Gas Desulfurization and Particulate Removal System.
PB92-179902/REB 92-01 PC **A03**/MF **A01**

EPA/625/2-79/023
Capsule Report: First Progress Report. Physical Coal-Cleaning Demonstration at Homer City, Pennsylvania.
PB92-179910/REB 92-01 PC **A03**/MF **A01**

EPA/625/2-79/024
Capsule Report: Acostic Monitoring to Determine the Integrity of Hazardous Waste Dams.
PB92-179928/REB 92-01 PC **A03**/MF **A01**

EPA/625/2-80/028
Capsule Report: Disposal of Flue Gas Desulfurization Wastes. Shawnee Field Evaluation.
PB92-179936/REB 92-01 PC **A03**/MF **A01**

EPA/625/2-82/029
Capsule Report: Adipic Acid-Enhanced Lime/Limestone Test Results at the EPA Alkali Scrubbing Test Facility.
PB92-179944/REB 92-01 PC **A03**/MF **A01**

EPA/625/2-84/031
Capsule Report: Benefits of Microprocessor Control of Curing Ovens for Solvent-Based Coatings.
PB92-179993/REB 92-01 PC **A03**/MF **A01**

EPA/625/3-91/019F
Alpha2u-Globulin: Association with Chemically Induced Renal Toxicity and Neoplasia in the Male Rat.
PB92-143668/REB 92-01 PC **A07**/MF **A02**

EPA/625/3-91/020
Workshop Report on Toxicity Equivalency Factors for Polychlorinated Biphenyl Congeners. Risk Assessment Forum.
PB92-114529/REB 92-01 PC **A05**/MF **A02**

EPA/625/3-91/021
Report of the EPA Peer Review Workshop on Alpha2U-Globulin: Association with Renal Toxicity and Neoplasia in the Male Rat. Held in Gaithersburg, MD. on November 13-14, 1990.
PB92-166826/REB 92-01 PC **A05**/MF **A01**

EPA/625/3-91/022
Peer Review Workshop Report on a Framework for Ecological Risk Assessment.
PB92-213198/REB 92-04 PC **A06**/MF **A02**

EPA/625/4-91/027
Seminar Publication: Nonpoint Source Watershed Workshop. Held in New Orleans, Louisiana, January 29-31, 1991.
PB92-137504/REB 92-01 PC **A10**/MF **A03**

EPA/625/6-91/014
Handbook: Control Technologies for Hazardous Air Pollutants.
PB92-141373/REB 92-01 PC **A12**/MF **A03**

EPA/625/6-91/026
Stabilization Technologies for RCRA Corrective Actions. Handbook.
PB92-114495/REB 92-01 PC **A04**/MF **A01**

EPA/625/6-91/031
Material Recovery Facilities for Municipal Solid Waste.
PB92-137512/REB 92-01 PC **A08**/MF **A02**

EPA/625/7-88/003
Waste Minimization Opportunity Assessment Manual.
PB92-216985/REB 92-04 PC **A06**/MF **A02**

EPA/625/7-91/012
Guides to Pollution Prevention: The Photoprocessing Industry.
PB92-129121/REB 92-01 PC **A04**/MF **A01**

EPA/625/7-91/014
Guides to Pollution Prevention: The Fiberglass-Reinforced and Composite Plastics Industry.
PB91-227967/REB 92-01 PC **A04**/MF **A01**

EPA/625/7-91/015
Guides to Pollution Prevention: The Marine Maintenance and Repair Industry.
PB91-228817/REB 92-01 PC **A04**/MF **A01**

EPA/625/7-91/016
Guides to Pollution Prevention: The Automotive Refinishing Industry.
PB92-129139/REB 92-01 PC **A04**/MF **A01**

EPA/625/7-91/017
Guides to Pollution Prevention: The Pharmaceutical Industry.
PB92-100080/REB 92-01 PC **A05**/MF **A01**

EPA/625/8-80/004
Sulfur Oxides Control Technology Series: Flue Gas Desulfurization. Dual Alkali Process.
PB92-150341/REB 92-01 PC **A03**/MF **A01**

EPA/625/8-82/009
Sulfur Oxides Control Technology Series: Flue Gas Desulfurization: Spray Dryer Process.
PB92-150358/REB 92-01 PC **A03**/MF **A01**

EPA/625/8-85/010
Fine Pore (Fine Bubble) Aeration Systems.
PB92-150366/REB 92-01 PC **A04**/MF **A01**

EPA/625/8-86/011
Sequencing Batch Reactors: Summary Report.
PB92-216969/REB 92-04 PC **A03**/MF **A01**

EPA/625/8-87/012
Causes and Control of Activated Sludge Bulking and Foaming.
PB92-216977/REB 92-04 PC **A05**

EPA/625/R-92/002
Vitrification Technologies for Treatment of Hazardous and Radioactive Waste.
PB92-201110/REB 92-04 PC **A05**/MF **A01**

EPA/650/R-92/017B
Technology Evaluation Report: Babcock and Wilcox Cyclone Furnace Vitrification Technology. Volume 2.
PB92-222223/REB 92-04 PC **A15**/MF **A03**

EPA/700/C-92/004
Toxic Release Inventory (TRI). Documentation for the 1990 Magnetic Tape.
PB92-155381/REB 92-01 PC **A06**/MF **A02**

EPA/700/C-92/036A
Toxic Release Inventory (TRI). Documentation for the 1990 Magnetic Tape.
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OSWER-9200.1-12-2
Superfund Progress, Summer 1992.
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Smart Moves in Superfund - Regional Initiatives. Volume 1, Number 1, February 1992.
PB92-963272/REB 92-04 PC **A01**/MF **A01**

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Regional Pilots and Applications of Superfund Accelerated Cleanup Model (SACM).
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OSWER-9203.1-01
Superfund Accelerated Cleanup Model (SACM).
PB92-963263/REB 92-01 PC **A03**/MF **A01**

OSWER-9203.1-02I-VOL-1-NO-1
Superfund Accelerated Cleanup Bulletin. Volume 1, Number 1. Presumptive Remedies for Municipal Landfill Sites.
PB92-963367/REB 92-04 PC **A01**/MF **A01**

OSWER-9203.1-02I-VOL-1-NO-2
Superfund Accelerated Cleanup Bulletin: Presumptive Remedies for Wood Treatment Facilities. Volume 1, Number 2, May 1992.
PB92-963361/REB 92-04 PC **A01**/MF **A01**

OSWER-9203.1-02I-VOL-1-NO-3
Superfund Accelerated Cleanup Bulletin. Volume 1, Number 3. Presumptive Remedies.
PB92-963371/REB 92-04 PC **A01**/MF **A01**

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Risk Assessment Guidance for Superfund. Volume 1, Human Health Evaluation Manual (Part B, Development of Risk-Based Preliminary Remediation Goals).
PB92-963333/REB 92-01 PC **A04**/MF **A01**

OSWER-9285.7-01BFS
Risk Assessment Guidance for Superfund. Volume 1, Human Health Evaluation Manual (Part B).
PB92-963339/REB 92-01 PC **A02**/MF **A01**

OSWER-9285.7-01C
Risk Assessment Guidance for Superfund. Volume 1, Human Health Evaluation Manual (Part C, Risk Evaluation of Remedial Alternatives).
PB92-963334/REB 92-01 PC **A05**/MF **A01**

OSWER-9285.7-01CFS
Risk Assessment Guidance for Superfund. Volume 1, Human Health Evaluation Manual (Part C).
PB92-963340/REB 92-01 PC **A02**/MF **A01**

OSWER-9285.7-08FS
Understanding Superfund Risk Assessment.
PB92-963372/REB 92-04 PC **A02**/MF **A01**

OSWER-9285.7-08I-VOL-1-NO-1
Supplemental Guidance to RAGS: *Calculating the Concentration Term.* Volume 1, Number 1, May 1992.
PB92-963373/REB 92-04 PC **A02**/MF **A01**

OSWER-9285.7-09A
Guidance for Data Useability in Risk Assessment (Part A).
PB92-963356/REB 92-04 PC **A13**/MF **A03**

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PB92-963281/REB 92-04 PC **A03**/MF **A01**

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Guidance for Performing Preliminary Assessments under CERCLA.
PB92-963303/REB 92-01 PC **A13**/MF **A03**

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ECO Update: The Role of BTAGs in Ecological Assessment. Volume 1, Number 1, September 1991.
PB92-963337/REB 92-01 PC **A02**/MF **A01**

OSWER-9345.0-05I-VOL-1-NO-2
ECO Update: Ecological Assessment of Superfund Sites. An Overview. Volume 1, Number 2, December 1991.
PB92-963335/REB 92-01 PC **A02**/MF **A01**

OSWER-9345.0-05I-VOL-1-NO-3
ECO Update. Volume 1, Number 3. The Role of Natural Resource Trustees in the Superfund Process.
PB92-963369/REB 92-04 PC **A03**/MF **A01**
ECO Update. Volume 1, Number 4. Developing a Work Scope for Ecological Assessments.
PB92-963370/REB 92-04 PC **A03**/MF **A01**

OSWER-9345.0-05I-VOL-1-NO-5
ECO Update. Volume 1, Number 5, August 1992. Briefing the BTAG: Initial Description of Setting, History, and Ecology of a Site.
PB92-963374/REB 92-04 PC **A03**/MF **A01**

OSWER-9345.1-03FS
Revised Hazard Ranking System: Evaluating Sites After Waste Removals.
PB92-963326/REB 92-01 PC **A03**/MF **A01**

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Evaluation of Ground-Water Extraction Remedies: Phase 2. *Volume 1. Summary Report.*
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Evaluation of Ground-Water Extraction Remedies: Phase 2. Volume 2. Case Studies and Updates.
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ROD Annual Report, FY1991. Volume 1.
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ROD Annual Report, FY1991. Volume 2.
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Superfund Removal Procedures: Public Participation Guidance for On-Scene Coordinators: Community Relations and the Administrative Record.
PB92-963416/REB 92-04 PC **A03**/MF **A01**

OSWER-9360.3-06
Superfund Removal Procedures: Removal Enforcement Guidance for On-Scene Coordinators.
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Compendium of ERT Field Analytical Procedures.
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Compendium of ERT Air Sampling Procedures.
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Removal Program Representative Sampling Guidance. Volume 1. Soil.
PB92-963408/REB 92-01 PC **A04**/MF **A01**

OSWER-9360.4-12
CERCLA Reporting Requirements for Releases of Ethylene Glycol from Airplane De-Icing Operations.
PB92-963402/REB 92-01 PC **A02**/MF **A01**

OSWER-9360.6-06
Superfund Emergency Response Actions: A Summary of Federally-Funded Removals. Fifth Annual Report - Fiscal Year 1990.
PB92-963403/REB 92-01 PC **A08**/MF **A02**

OSWER-9360.6-08
Technical Assistance Team (TAT) Contracts Users' Manual.
PB92-963407/REB 92-01 PC **A09**/MF **A02**

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Notification Requirements for Continuous Releases of Hazardous Substances.
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OSWER-9360.8-01FS
OPA Q's and A's: Overview of the Oil Pollution Act of 1990.
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PB92-963418/REB 92-04 PC **A12**/MF **A03**

OSWER-9380.1-10FS
Characterization Protocol for Radioactive Contaminated Soils.
PB92-963354/REB 92-01 PC **A02**/MF **A01**

OSWER-9380.3-06FS
Guide to Principal Threat and Low Level Threat Wastes.
PB92-963345/REB 92-01 PC **A01**/MF **A01**

OSWER-9834.11FS
Overview of the Off-Site Policy for OSCs and RPMs.
PB92-963603/REB 92-01 PC **A01**/MF **A01**

OSWER-9835.16
Guidance on Preparing Waste-in Lists and Volumetric Rankings for Release to Potentially Responsible Parties (PRPs) under CERCLA.
PB92-963606/REB 92-01 PC **A03**/MF **A01**

OSWER-9938.9
Conducting RCRA Inspections at Mixed Waste Facilities.
PB92-105196/REB 92-01 PC **A04**/MF **A01**

PB91-167650/REB
Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms (Fourth Edition).
PB91-167650/REB 92-01 PC **A14**/MF **A03**

PB91-205500/REB
EPA Publications Bibliography 1984-1990. Part 1. Report *Summaries.* Part 2. Indexes.
PB91-205500/REB 92-01 PC**$200.00**

PB91-220376/REB
Industrial Pollution Prevention Opportunities for the 1990s.
PB91-220376/REB 92-01 PC **A04**/MF **A01**

PB91-227967/REB
Guides to Pollution Prevention: The Fiberglass-Reinforced and Composite Plastics Industry.
PB91-227967/REB 92-01 PC **A04**/MF **A01**

PB91-227983/REB
Biological Treatment of Wood Preserving Site Groundwater by BioTrol, Inc. Applications Analysis Report.
PB91-227983/REB 92-01 PC **A04**/MF **A01**

PB91-228817/REB
Guides to Pollution Prevention: The Marine Maintenance and Repair Industry.
PB91-228817/REB 92-01 PC **A04**/MF **A01**

PB91-242636/REB
Application for Certification 1991 Model Year Light-Duty Vehicles.
PB91-242636/REB 92-01 PC **E99**/MF **E99**

PB91-242644/REB
Application for Certification 1991 Model Year Light-Duty Vehicles - Audi.
PB91-242644/REB 92-01 PC **A99**/MF **E99**

PB91-242651/REB
Application for Certification 1991 Model Year Light-Duty Vehicles - BMW.
PB91-242651/REB 92-01 PC **A99**/MF **E08**

PB91-242669/REB
Application for Certification 1991 Model Year Light-Duty Vehicles - Ferrari - Fiat.
PB91-242669/REB 92-01 PC **A07**/MF **A02**

PB91-242677/REB
Application for Certification 1991 Model Year Light-Duty Vehicles - Ford.
PB91-242677/REB 92-01 PC **A99**/MF **E19**

PB91-242685/REB
Application for Certification 1991 Model Year Light-Duty Trucks - Ford.
PB91-242685/REB 92-01 PC **A99**/MF **E11**

PB91-242693/REB
Application for Certification 1991 Model Year Light-Duty Vehicles - Fuji.
PB91-242693/REB 92-01 PC **A99**/MF **A06**

PB91-242701/REB
Application for Certification 1991 Model Year Light-Duty Vehicles - General Motors.
PB91-242701/REB 92-01 PC **A99**/MF **E99**

PB91-242719/REB
Application for Certification 1991 Model Year Light-Duty Trucks - Isuzu Motors.
PB91-242719/REB 92-01 PC **A19**/MF **A04**

PB91-242727/REB
Application for Certification 1991 Model Year Light-Duty Vehicles - Isuzu Motors.
PB91-242727/REB 92-01 PC **A13**/MF **A03**

PB91-242735/REB
Application for Certification 1991 Model Year Light-Duty Vehicles and Light-Duty Trucks - Nissan.
PB91-242735/REB 92-01 PC **A99**/MF **E99**

PB91-242743/REB
Application for Certification 1991 Model Year Light-Duty Vehicles - Volkswagen.
PB91-242743/REB 92-01 PC **A99**/MF **E99**

PB91-242750/REB
Application for Certification 1991 Model Year Heavy-Duty Vehicles.
PB91-242750/REB 92-01 PC **E99**/MF **E99**

PB91-242768/REB
Application for Certification 1991 Model Year Heavy-Duty Diesel Engines - Mack Truck.
PB91-242768/REB 92-01 PC **A99**/MF **A06**

PB91-242776/REB
Application for Certification 1991 Model Year Heavy-Duty Vehicles - Mack Trucks.
PB91-242776/REB 92-01 PC **A25**/MF **A06**

PB91-242784/REB
Application for Certification 1991 Model Year Heavy-Duty Engines - Navistar.
PB91-242784/REB 92-01 PC **A05**/MF **A01**

PB91-921286/REB
Superfund Program: Ten Years of Progress.
PB91-921286/REB 92-01 PC **A04**/MF **A01**

PB91-921374/REB
Update on Implementation of the Oil Pollution Act of 1990. Volume 1, Number 4, September 1991.
PB91-921374/REB 92-01 PC **A02**/MF **A01**

PB91-921565/REB
Superfund Record of Decision (EPA Region 4): Jadco-Hughes Site, North Belmont, NC. (First Remedial Action), September 1990.
PB91-921565/REB 92-01 PC **A17**/MF **A03**

PB91-921566/REB
Superfund Record of Decision (EPA Region 3): Hranica Landfill, Buffalo Township, PA. (First Remedial Action), June 1990.
PB91-921566/REB 92-01 PC **A03**/MF **A01**

PB92-100072/REB
Methods for Aquatic Toxicity Identification Evaluations. Phase 1 Toxicity Characterization Procedures. Second Edition.
PB92-100072/REB 92-01 PC **A05**/MF **A01**

PB92-100080/REB
Guides to Pollution Prevention: The Pharmaceutical Industry.
PB92-100080/REB 92-01 PC **A05**/MF **A01**

PB92-100114/REB
Toxic Release Inventory (TRI) United States and Territories, 1987.
PB92-100114/REB 92-01 MF**$600.00**

PB92-100122/REB
Toxic Release Inventory (TRI) United States and Territories, 1988.
PB92-100122/REB 92-01 MF**$600.00**

PB92-100148/REB
Regional Assessment of Aquifer Vulnerability and Sensitivity in the Conterminous United States.
PB92-100148/REB 92-01 PC **A15**/MF **A03**

PB92-100841/REB
Regulatory Impact Analysis for the Final Criteria for Municipal Solid Waste Landfills.
PB92-100841/REB 92-01 PC **A13**/MF **A03**

PB92-100858/REB
Addendum to the Regulatory Impact Analysis for the Final Criteria for Municipal Solid Waste Landfills.
PB92-100858/REB 92-01 PC **A03**/MF **A01**

PB92-101336/REB
Laboratory and Field Evaluations of a Methodology for Determining Hexavalent Chromium Emissions from Stationary Sources.
PB92-101336/REB 92-01 PC **A06**/MF **A02**

PB92-101344/REB
Manual for Non-CFC Aerosol Packaging: Conversion from CFC to Hydrocarbon Propellants.
PB92-101344/REB 92-01 PC **A10**/MF **A03**

PB92-101351/REB
Analysis of Factors Affecting Methane Gas Recovery from Six Landfills.
PB92-101351/REB 92-01 PC **A13**/MF **A03**

PB92-101369/REB
Fluorescence Techniques for Metal-Humic Interactions.
PB92-101369/REB 92-01 PC **A03**/MF **A01**

PB92-101377/REB
Continuous Multiligand Distribution Model Used to Predict the Stability Constant of Cu(II) Metal Complexation with Humic Material from Fluorescence Quenching Data.
PB92-101377/REB 92-01 PC **A02**/MF **A01**

PB92-101385/REB
Quantitative Assessment of the Effects of Metals on Microbial Degradation of Organic Chemicals.
PB92-101385/REB 92-01 PC **A02**/MF **A01**

PB92-101393/REB
Predicting Chemical Concentration Effects on Transformation Rates of Dissolved Organics by Complex Microbial Assemblages.
PB92-101393/REB 92-01 PC **A03**/MF **A01**

PB92-101401/REB
Fate of Commercial Disperse Dyes in Sediments.
PB92-101401/REB 92-01 PC **A03**/MF **A01**

PB92-101419/REB
Application of Multispectral Techniques to the Precise Identification of Aldehydes in the Environment.
PB92-101419/REB 92-01 PC **A02**/MF **A01**

PB92-101427/REB
Electric and Magnetic Fields Near AM Broadcast Towers.
PB92-101427/REB 92-01 PC **A05**/MF **A01**

PB92-101435/REB
Citizens' Guidance Manual for the Technical Assistance Grant Program.
PB92-101435/REB 92-01 PC **A14**/MF **A03**

PB92-101666/REB
Problems Associated with Published Environmental Fate Data.
PB92-101666/REB 92-01 PC **A03**/MF **A01**

PB92-101674/REB
Regiospecific Dechlorination of Pentachlorophenol by Dichlorophenol-Adapted Microorganisms in Freshwater, Anaerobic Sediment Slurries.
PB92-101674/REB 92-01 PC **A03**/MF **A01**

PB92-101682/REB
Microbial Degradation of Flurtamone in Three Georgia Soils.
PB92-101682/REB 92-01 PC **A02**/MF **A01**

PB92-101690/REB
Carbonate Equilibria and Groundwater Sample Collection: Implications for Estimated Average Subsurface Properties in Continental North America.
PB92-101690/REB 92-01 PC **A03**/MF **A01**

PB92-101708/REB
Reductive Dechlorination of Dichlorophenols in Anaerobic Pond Sediments (Chapter 13).
PB92-101708/REB 92-01 PC **A03**/MF **A01**

PB92-102169/REB
OSWER Source Book: Training and Technology Transfer Resources.
PB92-102169/REB 92-01 PC **A13**/MF **A03**

PB92-102433/REB
INFOTERRA/USA Directory of Environmental Sources.
PB92-102433/REB 92-01 PC **A20**/MF **A04**

PB92-102656/REB
Example Environmental Assessment Report for Estuaries.
PB92-102656/REB 92-01 PC **A04**/MF **A01**

PB92-103449/REB
Environmental Monitoring and Assessment Program (EMAP) Design Report.
PB92-103449/REB 92-01 PC **A04**/MF **A01**

PB92-103456/REB
Marine Debris Survey Manual.
PB92-103456/REB 92-01 PC **A08**/MF **A02**

PB92-103464/REB
Evaluating the Utility of Natural Vegetation in Assessing Arctic Accumulation of Air Toxics.
PB92-103464/REB 92-01 PC **A08**/MF **A02**

PB92-104348/REB
Waste Minimization Assessment for a Manufacturer of Refurbished Railcar Bearing Assemblies.
PB92-104348/REB 92-01 PC **A01**/MF **A01**

PB92-104355/REB
Waste Minimization Assessment for a Manufacturer of Prototype Printed Circuit Boards.
PB92-104355/REB 92-01 PC **A01**/MF **A01**

PB92-104363/REB
Waste Minimization Assessment for a Manufacturer of Speed Reduction Equipment.
PB92-104363/REB 92-01 PC **A01**/MF **A01**

PB92-104371/REB
Waste Minimization Assessment for a Manufacturer of Printed Labels.
PB92-104371/REB 92-01 PC **A02**/MF **A01**

PB92-104389/REB
Pesticide Fact Sheet Number 226: Bensulfuron Methyl.
PB92-104389/REB 92-01 PC **A02**/MF **A01**

PB92-104397/REB
Evaluation of a Kemira Oy Resistively Heated Catalyst on a Methanol-Fueled Vehicle.
PB92-104397/REB 92-01 PC **A03**/MF **A01**

PB92-104405/REB
IM240 Transient I/M Dynamometer Driving Schedule and the Composite I/M Test Procedure.
PB92-104405/REB 92-01 PC **A03**/MF **A01**

PB92-104413/REB
Second EPA Evaluation of the Platinum Gasaver Device under Section 511 of the Motor Vehicle Information and Cost Savings Act (Updated).
PB92-104413/REB 92-01 PC **A03**/MF **A01**

PB92-104421/REB
Emissions and Fuel Economy Effects of the Platinum Gasaver, a Retrofit Device.
PB92-104421/REB 92-01 PC **A03**/MF **A01**

PB92-104439/REB
Recommended I/M Short Test Procedures for the 1990's: Six Alternatives.
PB92-104439/REB 92-01 PC **A03**/MF **A01**

PB92-104447/REB
I/M Network Type: Effects on Emission Reductions, Cost, and Convenience. Technical Information Document.
PB92-104447/REB 92-01 PC **A04**/MF **A01**

PB92-104454/REB
Integrating On-Board Diagnostic System Capabilities into the Inspection and Repair Functions of I/M Programs.
PB92-104454/REB 92-01 PC **A03**/MF **A01**

PB92-104462/REB
Nonroad Engine and Vehicle Emission Study-Report and Appendixes.
PB92-104462/REB 92-01 PC **A20**/MF **A04**

PB92-104470/REB
Chetco Ocean Dredged Material Disposal Site (ODMDS) Designation: Final Environmental Impact Statement.
PB92-104470/REB 92-01 PC **A08**/MF **A02**

PB92-104488/REB
Long-Term Trends in Puget Sound Marine Fishes: Selected Data Sets.
PB92-104488/REB 92-01 PC **A03**/MF **A01**

PB92-104496/REB
Long-Term Changes in the Areal Extent of Tidal Marshes, Eelgrass Meadows and Kelp Forests of Puget Sound.
PB92-104496/REB 92-01 PC **A06**/MF **A02**

PB92-104504/REB
Puget Sound Pesticide Reconnaissance Survey, 1990.
PB92-104504/REB 92-01 PC **A06**/MF **A02**

PB92-104512/REB
Sunken Vessels and Aircraft Containing Hazardous Materials in Puget Sound.
PB92-104512/REB 92-01 PC **A07**/MF **A02**

PB92-104520/REB
Monitoring Guidelines to Evaluate Effects of Forestry Activities on Streams in the Pacific Northwest and Alaska.
PB92-104520/REB 92-01 PC **A09**/MF **A02**

PB92-105196/REB
Conducting RCRA Inspections at Mixed Waste Facilities.
PB92-105196/REB 92-01 PC **A04**/MF **A01**

PB92-105402/REB
Waste Minimization Opportunity Assessment: Scott Air Force Base.
PB92-105402/REB 92-01 PC **A06**/MF **A02**

PB92-105469/REB
Community Relations during Enforcement Activities and Development of the Administrative Record.
PB92-105469/REB 92-01 PC **A03**/MF **A01**

PB92-105477/REB
Section 3008(h) Module Order on Consent.
PB92-105477/REB 92-01 PC **A03**/MF **A01**

PB92-105527/REB
Volatile Organic Compound (VOC) and Particulate Matter (PM) Speciation Data System User's Manual, Version 1.4.
PB92-105527/REB 92-01 PC **A04**/MF **A01**

PB92-105626/REB
Recommended Sub-Slab Depressurization Systems Design Standard of the Florida Radon Research Program.
PB92-105626/REB 92-01 PC **A03**/MF **A01**

PB92-105659/REB
Permit Tracking System (PTS): A User's Manual.
PB92-105659/REB 92-01 PC **A08**/MF **A02**

PB92-105691/REB
Improvement of PMN Review Procedures to Estimate Protective Clothing Performance. Executive Summary Report.
PB92-105691/REB 92-01 PC **A03**/MF **A01**

PB92-105857/REB
Pilot-Scale Incineration of Contaminated Soil from the Purity Oil Sales and McColl Superfund Sites.
PB92-105857/REB 92-01 PC **A04**/MF **A01**

PB92-105865/REB
Recommended Foundation Fill Materials Construction Standard of the Florida Radon Research Program.
PB92-105865/REB 92-01 PC **A03**/MF **A01**

PB92-106913/REB
Review of Energy Efficiency of Refrigerator/Freezer Gaskets.
PB92-106913/REB 92-01 PC **A03**/MF **A01**

PB92-106921/REB
Field Performance of Woodburning and Coalburning Appliances in Crested Butte during the 1989-90 Heating Season.
PB92-106921/REB 92-01 PC **A08**/MF **A02**

PB92-106939/REB
Regional Fine Particle Field Study: Data Base and Initial Results.
PB92-106939/REB 92-01 PC **A05**/MF **A01**

PB92-108000/REB
Nutritional Value of 'Artemia' and 'Tigriopus californicus' (Baker) for Two Pacific Mysid Species, 'Metamysidopsis elongata' (Holmes) and 'Mysidopsis intii' (Holmquist).
PB92-108000/REB 92-01 PC **A03**/MF **A01**

PB92-108018/REB
Test of Criteria for Introduced Species: The Global Invasion by the Isopod 'Synidotea laevidorsalis' (Miers, 1881).
PB92-108018/REB 92-01 PC **A03**/MF **A01**

PB92-108026/REB
Interactive Effects of Aldrin, Cyclohexylamine, 2,4-Diaminotoluene and Two Phorbol Esters on Metabolic Cooperation between V79 Cells.
PB92-108026/REB 92-01 PC **A02**/MF **A01**

PB92-108034/REB
Increased Reproduction by Mysids ('Mysidopsis bahia') Fed with Enriched 'Artemia' spp. Nauplii.
PB92-108034/REB 92-01 PC **A02**/MF **A01**

PB92-108042/REB
Influence of Constant and Fluctuating Salinity on Responses of 'Mysidopsis bahia' Exposed to Cadmium in a Life-Cycle Test.
PB92-108042/REB 92-01 PC **A03**/MF **A01**

PB92-108059/REB
Effects of a Contaminated Sediment on Life History Traits and Population Growth Rate of 'Neanthes Arenaceodentata' (Polychaeta: Nereidae) in the Laboratory.
PB92-108059/REB 92-01 PC **A03**/MF **A01**

PB92-108067/REB
Two Different Approaches for Control and Measurement of Plant Functions in Closed Environmental Chambers.
PB92-108067/REB 92-01 PC **A03**/MF **A01**

PB92-108075/REB
Uncertainties in Nitrogen Mass Loadings in Coastal Watersheds.
PB92-108075/REB 92-01 PC **A03**/MF **A01**

PB92-108083/REB
Watershed Nitrogen Management: Upper Potomac River Basin Case Study.
PB92-108083/REB 92-01 PC **A03**/MF **A01**

PB92-108091/REB
Toxicity of Chlorine and Ammonia to Aquatic Life: Chemistry, Water Quality Criteria, Recent Research, and Recommended Future Research.
PB92-108091/REB 92-01 PC **A03**/MF **A01**

PB92-108109/REB
Florida Radon Research Program: Technical Support for the Development of Radon Resistant Construction Standards.
PB92-108109/REB 92-01 PC **A03**/MF **A01**

PB92-108117/REB
Indicators for Monitoring Biodiversity: A Hierarchical Approach.
PB92-108117/REB 92-01 PC **A03**/MF **A01**

PB92-108125/REB
Determination and Occurrence of AHH-Active Polychlorinated Biphenyls, 2,3,7,8-Tetrachloro-p-Dioxin and 2,3,7,8-Tetrachlorodibenzofuran in Lake Michigan Sediment and Biota. The Question of Their Relative Toxicological Significance.
PB92-108125/REB 92-01 PC **A03**/MF **A01**

PB92-108133/REB
Waste Reduction Technology Evaluations of the U.S. EPA WRITE Program.
PB92-108133/REB 92-01 PC **A02**/MF **A01**

PB92-108141/REB
Recovery of Bulk DNA from Soil by a Rapid, Small-Scale Extraction Method.
PB92-108141/REB 92-01 PC **A02**/MF **A01**

PB92-108158/REB
Patch Size of Forest Openings and Arthropod Populations.
PB92-108158/REB 92-01 PC **A03**/MF **A01**

PB92-108166/REB
On-Site Methods for Assessing Chemical Impact on the Soil Environment Using Earthworms: A Case Study at the Baird and McGuire Superfund Site, Holbrook, Massachusetts.
PB92-108166/REB 92-01 PC **A03**/MF **A01**

PB92-108174/REB
Model of Additive Effects of Mixtures of Narcotic Chemicals.
PB92-108174/REB 92-01 PC **A02**/MF **A01**

PB92-108182/REB
Forest Soil Response to Acid and Salt Additions of Sulfate. 1. Sulfur Constituents and Net Retention.
PB92-108182/REB 92-01 PC **A03**/MF **A01**

PB92-108190/REB
Developmental Malformation of Frog Embryos: An Analysis of Teratogenicity of Chemical Mixtures.
PB92-108190/REB 92-01 PC **A02**/MF **A01**

PB92-108760/REB
Guideline for Regulatory Application of the Urban Airshed Model.
PB92-108760/REB 92-01 PC **A05**/MF **A01**

PB92-108778/REB
Screening Methods for the Development of Air Toxics Emission Factors.
PB92-108778/REB 92-01 PC **A20**/MF **A04**

PB92-108786/REB
Regional Ozone Modeling for Northeast Transport (ROMNET).
PB92-108786/REB 92-01 PC **A15**/MF **A03**

PB92-108794/REB
Regional Ozone Modeling for Northeast Transport (ROMNET). Appendices.
PB92-108794/REB 92-01 PC **A15**/MF **A03**

PB92-109057/REB
Technical Guidance Document: Inspection Techniques for the Fabrication of Geomembrane Field Seams.
PB92-109057/REB 92-01 PC **A08**/MF **A02**

PB92-109065/REB
Guide for Conducting Treatability Studies under CERCLA: Aerobic Biodegradation Remedy Screening. Interim Guidance.
PB92-109065/REB 92-01 PC **A03**/MF **A01**

PB92-109073/REB
Guide for Conducting Treatability Studies under CERCLA: Aerobic Biodegradation Remedy Screening.
PB92-109073/REB 92-01 PC **A02**/MF **A01**

PB92-109081/REB
Superfund Engineering Issue: Issues Affecting the Applicability and Success of Remedial/Removal Incineration Projects.
PB92-109081/REB 92-01 PC **A03**/MF **A01**

PB92-109099/REB
Running a Conference as a Clean Product. International Conference on Pollution Prevention: Clean Technologies and Clean Products. Held in Washington, DC. on June 10-13, 1990.
PB92-109099/REB 92-01 PC **A03**/MF **A01**

PB92-109107/REB
Indoor Air Assessment: A Review of Indoor Air Quality Risk Characterization Studies.
PB92-109107/REB 92-01 PC **A06**/MF **A02**

PB92-109115/REB
Modeling of Nonpoint Source Water Quality in Urban and Non-urban Areas.
PB92-109115/REB 92-01 PC **A05**/MF **A01**

PB92-109123/REB
Techniques to Determine Spatial Variations in Hydraulic Conductivity of Sand and Gravel.
PB92-109123/REB 92-01 PC **A03**/MF **A01**

PB92-109131/REB
Proceedings of the International Workshop on Large-Scale Reforestation. Held in Corvallis, Oregon on May 9-10, 1990.
PB92-109131/REB 92-01 PC **A08**/MF **A02**

PB92-109149/REB
Methodology for Assessing Environmental Releases of and Exposure to Municipal Solid Waste Combustor Residuals.
PB92-109149/REB 92-01 PC **A07**/MF **A02**

PB92-110006/REB
Pesticide Fact Sheet Number 227: Gokilaht.
PB92-110006/REB 92-01 PC **A02**/MF **A01**

PB92-110014/REB
Fuel Volatility Effects on Exhaust Emissions.
PB92-110014/REB 92-01 PC **A03**/MF **A01**

PB92-110022/REB
Urban Air Toxics Monitoring Program, 1990.
PB92-110022/REB 92-01 PC **A13**/MF **A03**

PB92-110030/REB
Urban Air Toxics Monitoring Program Carbonyl Results, 1990.
PB92-110030/REB 92-01 PC **A07**/MF **A02**

PB92-110048/REB
Technology Evaluation Report: Biological Treatment of Wood Preserving Site Groundwater by Biotrol, Inc.
PB92-110048/REB 92-01 PC **A06**/MF **A02**

PB92-110352/REB
Evaluating the Human Health Effects of Hazardous Wastes: Reproduction and Development, Neurotoxicity, Genetic Toxicity and Cancer.
PB92-110352/REB 92-01 PC **A03**/MF **A01**

PB92-110360/REB
Health Effects of Arsenic in Drinking Water.
PB92-110360/REB 92-01 PC **A03**/MF **A01**

PB92-110378/REB
Impact of Methanol and CNG Fuels on Motor Vehicle Toxic Emissions.
PB92-110378/REB 92-01 PC **A03**/MF **A01**

PB92-110386/REB
Summary of the 1991 EPA/AWMA International Symposium: Measurement of Toxic and Related Air Pollutants. Held in Durham, North Carolina on May 6-10, 1991.
PB92-110386/REB 92-01 PC **A03**/MF **A01**

PB92-110394/REB
Status and Needs for Toxic Emission Inventories for Regional Dispersion and Deposition Modeling.
PB92-110394/REB 92-01 PC **A03**/MF **A01**

PB92-110402/REB
Intercomparison of Sampling Techniques for Nicotine in Indoor Environments.
PB92-110402/REB 92-01 PC **A02**/MF **A01**

PB92-110410/REB
Oxidation-Reduction Capacities of Aquifer Solids.
PB92-110410/REB 92-01 PC **A02**/MF **A01**

PB92-110428/REB
Effect of Sodium Chloride on Transport of Bacteria in a Saturated Aquifer Material.
PB92-110428/REB 92-01 PC **A02**/MF **A01**

PB92-110436/REB
Sampling of Contaminated Sites.
PB92-110436/REB 92-01 PC **A02**/MF **A01**

PB92-110444/REB
Effect of Nitrate Addition on Biorestoration of Fuel-Contaminated Aquifer: Field Demonstration.
PB92-110444/REB 92-01 PC **A03**/MF **A01**

PB92-110451/REB
New Action for Topoisomerase Inhibitors.
PB92-110451/REB 92-01 PC **A03**/MF **A01**

PB92-110469/REB
Oil Spill Clean Up.
PB92-110469/REB 92-01 PC **A01**/MF **A01**

PB92-110477/REB
Color Yes; Cancer No.
PB92-110477/REB 92-01 PC **A03**/MF **A01**

PB92-110485/REB
Improvement in the Diagnostic Potential of (32)P-Postlabeling Analysis Demonstrated by the Selective Formation and Comparative Analysis of Nitrated-PAH-Derived Adducts Arising from Diesel Particle Extracts.
PB92-110485/REB 92-01 PC **A02**/MF **A01**

PB92-110493/REB
Synthesis of a Novel Fluorinated Benzo(a)pyrene: 4,5-Difluorobenzo(a)pyrene.
PB92-110493/REB 92-01 PC **A02**/MF **A01**

PB92-110501/REB
Compensatory Alterations in Receptor-Stimulated Phosphoinositide Hydrolysis in the Hippocampus Vary as a Function of Dose of Colchicine.
PB92-110501/REB 92-01 PC **A02**/MF **A01**

PB92-110519/REB
Quantitative Comparison of Molecular Electrostatic Potentials for Structure-Activity Studies.
PB92-110519/REB 92-01 PC **A03**/MF **A01**

PB92-110527/REB
Assessment of Neurotoxicity: Use of Glial Fibrillary Acidic Protein as a Biomarker.
PB92-110527/REB 92-01 PC **A03**/MF **A01**

PB92-110535/REB
Concentration of Glial Fibrillary Acidic Protein Increases with Age in the Mouse and Rat Brain.
PB92-110535/REB 92-01 PC **A02**/MF **A01**

PB92-110543/REB
Biodegradation of Monoaromatic Hydrocarbons by Aquifer Microorganisms Using Oxygen, Nitrate, or Nitrous Oxide as the Terminal Electron Acceptor.
PB92-110543/REB 92-01 PC **A02**/MF **A01**

PB92-110550/REB
Comparison of In vivo Cholinesterase Inhibition in Neonatal and Adult Rats by Three Organophosphorothioate Insecticides.
PB92-110550/REB 92-01 PC **A03**/MF **A01**

PB92-110568/REB
Trace Metal Fate in a Rotary Kiln Incinerator with an Ionizing Wet Scrubber (Journal Article).
PB92-110568/REB 92-01 PC **A02**/MF **A01**

PB92-110576/REB
Production of Carbon Monoxide by the Homogeneous NOx-Induced Photooxidation of Volatile Organic Compounds in the Troposphere.
PB92-110576/REB 92-01 PC **A03**/MF **A01**

PB92-110824/REB
PIRLA DBMS Quick Reference Guide.
PB92-110824/REB 92-01 PC **A08**/MF **A02**

PB92-111566/REB
Evaluating Created Wetlands through Comparisons with Natural Wetlands.
PB92-111566/REB 92-01 PC **A03**/MF **A01**

PB92-111707/REB
RCRA Permit Policy Compendium.
PB92-111707/REB 92-01 PC **E99**

PB92-111715/REB
RCRA Permit Policy Compendium. Volume 1. User's Guide. Key Word Index.
PB92-111715/REB 92-01 PC **E10**

PB92-111723/REB
RCRA Permit Policy Compendium. Volume 2 (9420.1980-9434.1900). Hazardous Waste Management System (Part 260). General, Definitions, Petitions.
PB92-111723/REB 92-01 PC **A13**

PB92-111731/REB
RCRA Permit Policy Compendium. Volume 3 (9441.1980-9441.1986). Identification and Listing of Hazardous Waste (Part 261). General.
PB92-111731/REB 92-01 PC **A14**

PB92-111749/REB
RCRA Permit Policy Compendium. Volume 4 (9441.1987-9441.1990). Identification and Listing of Hazardous Waste (Part 261). General.
PB92-111749/REB 92-01 PC **A14**

PB92-111756/REB
RCRA Permit Policy Compendium. Volume 5 (9442.1980-9444.1986). Identification and Listing of Hazardous Waste (Part 261). Criteria for Identifying Hazardous Waste, Characteristics of Hazardous Waste, Lists of Hazardous Waste.
PB92-111756/REB 92-01 PC **A14**

PB92-111764/REB
RCRA Permit Policy Compendium. Volume 6 (9444.1987-9457.1990). Identification and Listing of Hazardous Waste

(Part 261). Lists (Cont'd), Generator Standards (Part 262), General, Pretransportation, Recordkeeping, Special Conditions, Importing.
PB92-111764/REB 92-01 PC **A15**

PB92-111772/REB
RCRA Permit Policy Compendium. Volume 7 (9460.1980-9482.1990). Transporter Standards (Part 263). (TSDF's) (Parts 264 and 265), TSDF Technical Requirements (Parts 264 and 265).
PB92-111772/REB 92-01 PC **A11**

PB92-111780/REB
RCRA Permit Policy Compendium. Volume 8 (9483.1980-9489.1990). TSDF Technical Requirements (Parts 264 and 265). Tanks, Surface Impoundments, Waste Piles, Land Treatment, Landfills, Incinerators, Miscellaneous Units.
PB92-111780/REB 92-01 PC **A15**

PB92-111798/REB
RCRA Permit Policy Compendium. Volume 9 (9490.1980-9521.1990). Standards for Managing Specific Hazardous Wastes (Part 266). Permitting Policies, Permitting Procedures (Parts 124 and 270).
PB92-111798/REB 92-01 PC **A15**

PB92-111806/REB
RCRA Permit Policy Compendium. Volume 10 (9522.1980-9528.1990). Permitting Procedures (Parts 124 and 270). Applications, Conditions, Changes, Interim Status.
PB92-111806/REB 92-01 PC **A15**

PB92-111814/REB
RCRA Permit Policy Compendium. Volume 11 (9530.1980-9581.1990). Air Emissions Standards, State Authorization (Part 271), Land Disposal Restrictions (Part 268). Waste Minimization, Subtitle D, RCRA Grant Funds.
PB92-111814/REB 92-01 PC **A17**

PB92-111830/REB
National Air Toxics Information Clearinghouse: Bibliography of Selected Reports and Federal Register Notices Related to Air Toxics. Volume 5. Citations, 1991.
PB92-111830/REB 92-01 PC **A10**/MF **A03**

PB92-111848/REB
RED Facts: Methoprene.
PB92-111848/REB 92-01 PC **A02**/MF **A01**

PB92-111855/REB
Reregistration Eligibility Document (RED): Methoprene (List A, Case 0030).
PB92-111855/REB 92-01 PC **A03**/MF **A01**

PB92-111863/REB
Reregistration Eligibility Document (RED): Heliothis zea NPV (List A, Case Number 151).
PB92-111863/REB 92-01 PC **A03**/MF **A01**

PB92-111871/REB
RED Facts: Heliothis zea NPV.
PB92-111871/REB 92-01 PC **A02**/MF **A01**

PB92-111889/REB
Alachlor Position Document 2/3.
PB92-111889/REB 92-01 PC **A02**/MF **A01**

PB92-111905/REB
National Air Toxics Information Clearinghouse: Ongoing Research and Regulatory Development Projects.
PB92-111905/REB 92-01 PC **A10**/MF **A03**

PB92-111913/REB
National Air Toxics Information Clearinghouse: Bibliography of Selected Reports and Federal Register Notices Related to Air Toxics. Index, 1991.
PB92-111913/REB 92-01 PC **A21**/MF **A04**

PB92-112101/REB
Lead and Copper Rule Guidance Manual. Volume 1. Monitoring.
PB92-112101/REB 92-01 PC **A10**/MF **A03**

PB92-112150/REB
Emission Inventory Requirements for Carbon Monoxide State Implementation Plans, 1991.
PB92-112150/REB 92-01 PC **A05**/MF **A01**

PB92-112168/REB
Procedures for the Preparation of Emission Inventories for Carbon Monoxide and Precursors of Ozone. Volume 1. General Guidance for Stationary Sources.
PB92-112168/REB 92-01 PC **A11**/MF **A03**

PB92-112176/REB
Example Emission Inventory Documentation for Post-1987 Ozone State Implementation Plans (SIPs).
PB92-112176/REB 92-01 PC **A18**/MF **A04**

PB92-112895/REB
Nutritional Role of Endosymbiotic Bacteria in Animal-Bacteria Symbioses: 'Solemya velum', a Case Study.
PB92-112895/REB 92-01 PC **A17**/MF **A04**

PB92-113000/REB
Final Quality Assurance Report for the Tampa, Florida Wetlands Study.
PB92-113000/REB 92-01 PC **A09**/MF **A03**

PB92-113018/REB
Forest Health Monitoring, New England, 1990. Annual Report.
PB92-113018/REB 92-01 PC **A07**/MF **A02**

PB92-113026/REB
Method 25: Determination of Total Gaseous Non-Methane Organic Emissions as Carbon from Stationary Sources.
PB92-113026/REB 92-01 PC **A07**/MF **A02**

PB92-113109/REB
Effects on Electrostatic Precipitation of Changes in Grain Loading, Size Distribution, Resistivity, and Temperature.
PB92-113109/REB 92-01 PC **A03**/MF **A01**

PB92-113117/REB
Evaluation of Pilot ESP Performance with Elevated Loadings from Sorbent Injection Processes.
PB92-113117/REB 92-01 PC **A03**/MF **A01**

PB92-113125/REB
SUPER ESP: Ultimate Electrostatic Precipitation.
PB92-113125/REB 92-01 PC **A03**/MF **A01**

PB92-113133/REB
Field Performance of Woodburning Stoves in Crested Butte, Colorado.
PB92-113133/REB 92-01 PC **A03**/MF **A01**

PB92-113141/REB
Reduction of Hexachloroethane and Carbon Tetrachloride at Surfaces of Biotite, Vermiculite, Pyrite, and Marcasite.
PB92-113141/REB 92-01 PC **A03**/MF **A01**

PB92-113158/REB
Combustion Control of Trace Organic Air Pollutants from Municipal Waste Combustors.
PB92-113158/REB 92-01 PC **A03**/MF **A01**

PB92-113166/REB
Limitations of the Fluorescent Probe Viability Assay.
PB92-113166/REB 92-01 PC **A03**/MF **A01**

PB92-113174/REB
Comparison of In situ Vitrification and Rotary Kiln Incineration for Soils Treatment.
PB92-113174/REB 92-01 PC **A02**/MF **A01**

PB92-113182/REB
Field-Testing Distribution Water Quality Models.
PB92-113182/REB 92-01 PC **A03**/MF **A01**

PB92-113190/REB
Evaluation of Sorption Models in the Simulation of Naphthalene Transport Through Saturated Soils.
PB92-113190/REB 92-01 PC **A02**/MF **A01**

PB92-113208/REB
Asbestos Fiber Release during Change-Out of Filter Bags from HEPA-Filtered Vacuum Cleaners.
PB92-113208/REB 92-01 PC **A02**/MF **A01**

PB92-113216/REB
Foliar Injury Symptoms and Pigment Concentrations in Red Spruce Saplings in the Southern Appalachians.
PB92-113216/REB 92-01 PC **A02**/MF **A01**

PB92-113224/REB
Can Intensive Management Increase Carbon Storage in Forests.
PB92-113224/REB 92-01 PC **A02**/MF **A01**

PB92-113232/REB
Indoor Air Pollutants from Unvented Kerosene Heater Emissions in Mobile Homes: Studies on Particles, Semivolatile Organics, Carbon Monoxide, and Mutagenicity.
PB92-113232/REB 92-01 PC **A02**/MF **A01**

PB92-113240/REB
Differential Impact of Hypothermia and Pentobarbital on Brain-Stem Auditory Evoked Responses.
PB92-113240/REB 92-01 PC **A03**/MF **A01**

PB92-113257/REB
Assessing the Use of Known Mutagens to Calibrate the 'Salmonella typhimurium' Mutagenicity Assay. 1. Without Exogenous Activation.
PB92-113257/REB 92-01 PC **A03**/MF **A01**

PB92-113265/REB
Developmental Toxicity of Bromoxynil in Mice and Rats.
PB92-113265/REB 92-01 PC **A02**/MF **A01**

PB92-113273/REB
Assessing the Use of Known Mutagens to Calibrate the 'Salmonella typhimurium' Mutagenicity Assay. 2. With Exogenous Activation.
PB92-113273/REB 92-01 PC **A03**/MF **A01**

PB92-113281/REB
Modulation of Human Alveolar Macrophage Properties by Ozone Exposure In vitro.
PB92-113281/REB 92-01 PC **A03**/MF **A01**

PB92-113299/REB
Significance of Supernumerary Ribs in Rodent Developmental Toxicity Studies: Postnatal Persistence in Rats and Mice.
PB92-113299/REB 92-01 PC **A02**/MF **A01**

PB92-113307/REB
Evaluation of 10 Chemicals for Aneuploidy Induction in the Hexaploid Wheat Assay.
PB92-113307/REB 92-01 PC **A02**/MF **A01**

PB92-113315/REB
Induction of Micronuclei by X-radiation in Human, Mouse and Rat Peripheral Blood Lymphocytes.
PB92-113315/REB 92-01 PC **A02**/MF **A01**

PB92-113323/REB
Enhanced Neurotoxicity of 3,3'-Iminodipropionitrile Following Pretreatment with Carbon Tetrachloride in the Rat.
PB92-113323/REB 92-01 PC **A03**/MF **A01**

PB92-113331/REB
Evaluating the Relationship of Metabolic Activation System Concentrations and Chemical Dose Concentrations for the Salmonella Spiral and Plate Assays.
PB92-113331/REB 92-01 PC **A03**/MF **A01**

PB92-113349/REB
Toxicity Equivalency Factors for PCBs.
PB92-113349/REB 92-01 PC **A03**/MF **A01**

PB92-113356/REB
Evaluation of Immunotoxicity of an Urban Profile of Nitrogen Dioxide: Acute, Subchronic, and Chronic Studies.
PB92-113356/REB 92-01 PC **A03**/MF **A01**

PB92-113448/REB
Impact of Conservation Tillage Use on Soil and Atmospheric Carbon in the Contiguous United States.
PB92-113448/REB 92-01 PC **A03**/MF **A01**

PB92-113455/REB
SELCTV System Manual for SELCTV and REFER Databases and the SELCTV Data Management Program.
PB92-113455/REB 92-01 PC **A04**/MF **A01**

PB92-113463/REB
Workshop Proceedings: The Role of Created and Natural Wetlands in Controlling Nonpoint Source Pollution. Held in Arlington, Virginia on June 10-11, 1991.
PB92-113463/REB 92-01 PC **A13**/MF **A03**

PB92-114131/REB
Ecological Indicators. Proceedings of an International Symposium. Held in Fort Lauderdale, Florida on October 16-19, 1990.
PB92-114131/REB 92-01 PC **A99**/MF **E99**

PB92-114164/REB
Computerized Risk and Bioaccumulation System (Version 1.0).
PB92-114164/REB 92-01 PC **A03**/MF **A01**

PB92-114172/REB
Standard Operating Procedures for Lead in Paint by Hotplate - or Microwave-Based Acid Digestions and Atomic Absorption or Inductively Coupled Plasma Emission Spectrometry.
PB92-114172/REB 92-01 PC **A03**/MF **A01**

PB92-114180/REB
Standard Operating Procedures for Measurement of Lead in Paint Using the SCITEC MAP-3 X-ray Fluorescence Spectrometer.
PB92-114180/REB 92-01 PC **A04**/MF **A01**

PB92-114198/REB
Daminozide Position Document 4.
PB92-114198/REB 92-01 PC **A01**/MF **A01**

PB92-114206/REB
1,3-Dichloropropene Position Document 1.
PB92-114206/REB 92-01 PC **A02**/MF **A01**

PB92-114214/REB
Daminozide Position Document 2/3.
PB92-114214/REB 92-01 PC **A03**/MF **A01**

PB92-114222/REB
Daminozide Position Document 1.
PB92-114222/REB 92-01 PC **A02**/MF **A01**

PB92-114230/REB
Cadmium: Special Review Document.
PB92-114230/REB 92-01 PC **A01**/MF **A01**

PB92-114248/REB
Alachlor: Position Document, 4.
PB92-114248/REB 92-01 PC **A03**/MF **A01**

PB92-114255/REB
Evaluation of a Schatz Heat Battery on a Flexible-Fueled Vehicle.
PB92-114255/REB 92-01 PC **A03**/MF **A01**

PB92-114263/REB
Ethalfluralin Position Document 1/2/3/4.
PB92-114263/REB 92-01 PC **A02**/MF **A01**

PB92-114271/REB
Dichlorvos (DDVP) Position Document 1.
PB92-114271/REB 92-01 PC **A02**/MF **A01**

PB92-114289/REB
Captafol Final Decision.
PB92-114289/REB 92-01 PC **A01**/MF **A01**

PB92-114297/REB
Inorganic Arsenicals Position Document 2/3.
PB92-114297/REB 92-01 PC **A03**/MF **A01**

PB92-114305/REB
Inorganic Arsenicals Position Document 4.
PB92-114305/REB 92-01 PC **A03**/MF **A01**

PB92-114313/REB
Chlorobenzilate Position Document 1.
PB92-114313/REB 92-01 PC **A01**/MF **A01**

PB92-114321/REB
RED Facts: Fosetyl-Al (Aliette).
PB92-114321/REB 92-01 PC **A02**/MF **A01**

PB92-114339/REB
Reregistration Eligibility Document (RED): Fosetyl-Al (Aliette).
PB92-114339/REB 92-01 PC **A04**/MF **A01**

PB92-114347/REB
RED Facts: Sulfur.
PB92-114347/REB 92-01 PC **A02**/MF **A01**

PB92-114354/REB
RED. Facts: Potassium Bromide.
PB92-114354/REB 92-01 PC **A02**/MF **A01**

PB92-114362/REB
Reregistration Elegibility Document (RED): Potassium Bromide.
PB92-114362/REB 92-01 PC **A03**/MF **A01**

PB92-114370/REB
Dinocap Position Document 4.
PB92-114370/REB 92-01 PC **A03**/MF **A01**

PB92-114412/REB
Risk Assessment, Management, Communication: A Guide to Selected Sources. Volume 4, Number 1.
PB92-114412/REB 92-01 PC **A07**/MF **A02**

PB92-114453/REB
Reregistration Eligibility Document (RED): Sulfur (List A, Case 0031).
PB92-114453/REB 92-01 PC **A04**/MF **A01**

PB92-114461/REB
Performance Evaluations of Pump-and-Treat Remediations.
PB92-114461/REB 92-01 PC **A03**/MF **A01**

PB92-114479/REB
Environmental Monitoring and Assessment Program: 1991 Project Descriptors.
PB92-114479/REB 92-01 PC **A06**/MF **A02**

PB92-114487/REB
Fate of Polychlorinated Biphenyls (PCBs) in Soil Following Stabilization with Quicklime.
PB92-114487/REB 92-01 PC **A07**/MF **A02**

PB92-114495/REB
Stabilization Technologies for RCRA Corrective Actions. Handbook.
PB92-114495/REB 92-01 PC **A04**/MF **A01**

PB92-114503/REB
Facilitated Transport of Inorganic Contaminants in Ground Water: Part 2. Colloidal Transport.
PB92-114503/REB 92-01 PC **A03**/MF **A01**

PB92-114529/REB
Workshop Report on Toxicity Equivalency Factors for Polychlorinated Biphenyl Congeners. Risk Assessment Forum.
PB92-114529/REB 92-01 PC **A05**/MF **A02**

PB92-114537/REB
Selection of Control Technologies for Remediation of Lead Battery Recycling Sites.
PB92-114537/REB 92-01 PC **A08**/MF **A02**

PB92-114545/REB
Indoor Air-Assessment: An Inventory of Indoor Air Quality Research in the United States: 1989-1990.
PB92-114545/REB 92-01 PC **A10**/MF **A03**

PB92-114552/REB
Assessing UST Corrective Action Technology: A Scientific Evaluation of the Mobility of Organic Contaminants in Subsurface Environments.
PB92-114552/REB 92-01 PC **A16**/MF **A03**

PB92-114560/REB
Storm and Combined Sewer Pollution Control: A Compilation of Significant References.
PB92-114560/REB 92-01 PC **A03**/MF **A01**

PB92-114966/REB
Volumetric Leak Detection in Large Underground Storage Tanks. Volume 1.
PB92-114966/REB 92-01 PC **A05**/MF **A01**

PB92-114974/REB
Volumetric Leak Detection in Large Underground Storage Tanks. Volume 2. Appendices A through E.
PB92-114974/REB 92-01 PC **A05**/MF **A01**

PB92-114990/REB
Natural Enemy Risk Assessment (NERISK) User's Manual.
PB92-114990/REB 92-01 PC **A03**/MF **A01**

PB92-115005/REB
Carpet Policy Dialogue. Compendium Report, September 27, 1991.
PB92-115005/REB 92-01 PC **A99**/MF **A06**

PB92-115203/REB
Liquid and Gaseous Fuel Distribution System.
PB92-115203/REB 92-01 PC **A03**/MF **A01**

PB92-115211/REB
Development of Alternate Performance Standard for Radon Resistant Construction Based on Short-Term/Long-Term Indoor Radon Concentrations. Volume 1. Technical Report.
PB92-115211/REB 92-01 PC **A05**/MF **A01**

PB92-115229/REB
Development of Alternate Performance Standard for Radon Resistant Construction Based on Short-Term/Long-Term Indoor Radon Concentrations. Volume 2. Appendices.
PB92-115229/REB 92-01 PC **A04**/MF **A01**

PB92-115237/REB
Watershed Characterization Using Landsat Thematic Mapper Imagery: Blackfoot River, Montana.
PB92-115237/REB 92-01 PC **A03**/MF **A01**

PB92-115245/REB
BioTrol Soil Washing System for Treatment of a Wood Preserving Site: Applications Analysis Report.
PB92-115245/REB 92-01 PC **A04**/MF **A01**

PB92-115252/REB
Markets for Scrap Tires.
PB92-115252/REB 92-01 PC **A06**/MF **A02**

PB92-115260/REB
Radium Removal from Water by Manganese Dioxide Adsorption and Diatomaceous Earth Filtration.
PB92-115260/REB 92-01 PC **A05**/MF **A01**

PB92-115278/REB
Proceedings of the Workshop on Radon Potential Mapping, Florida Radon Research Program. Held in Gainesville, Florida on April 20, 1990.
PB92-115278/REB 92-01 PC **A04**/MF **A01**

PB92-115286/REB
Evaluation of VOC Emissions from Heated Roofing Asphalt.
PB92-115286/REB 92-01 PC **A04**/MF **A01**

PB92-115294/REB
Standard Measurement Protocols: Florida Radon Research Program.
PB92-115294/REB 92-01 PC **A06**/MF **A02**

PB92-115302/REB
Technology Evaluation Report: Biotrol Soil Washing System for Treatment of a Wood Preserving Site.
PB92-115302/REB 92-01 PC **E99**/MF **E99**

PB92-115310/REB
Technology Evaluation Report: Biotrol Soil Washing System for Treatment of a Wood Preserving Site. Volume 1.
PB92-115310/REB 92-01 PC **A13**/MF **A03**

PB92-115328/REB
Technology Evaluation Report: Biotrol Soil Washing System for Treatment of a Wood Preserving Site. Volume 2, Part A.
PB92-115328/REB 92-01 PC **A17**/MF **A04**

PB92-115336/REB
Technology Evaluation Report: Biotrol Soil Washing System for Treatment of a Wood Preserving Site. Volume 2, Part B.
PB92-115336/REB 92-01 PC **A15**/MF **A03**

PB92-115344/REB
Proceedings: The 1991 International Symposium on Radon and Radon Reduction Technology. Held in Philadelphia, Pennsylvania on April 2-5, 1991.
PB92-115344/REB 92-01 PC **E99**/MF **E99**

PB92-115351/REB
Proceedings: The 1991 International Symposium on Radon and Radon Reduction Technology. Volume 1. Symposium Oral Papers Opening Session and Technical Sessions 1 through 5.
PB92-115351/REB 92-01 PC **A18**/MF **A04**

PB92-115369/REB
Proceedings: The 1991 International Symposium on Radon and Radon Reduction Technology. Volume 2. Symposium Oral Papers Technical Sessions 6 through 10.
PB92-115369/REB 92-01 PC **A19**/MF **A04**

PB92-115377/REB
Proceedings: The 1991 International Symposium on Radon and Radon Reduction Technology. Volume 3. Symposium Panel and Poster Papers Technical Sessions 1 through 5.
PB92-115377/REB 92-01 PC **A20**/MF **A04**

PB92-115385/REB
Proceedings: The 1991 International Symposium on Radon and Radon Reduction Technology. Volume 4. Symposium Poster Papers Technical Sessions 6 through 10.
PB92-115385/REB 92-01 PC **A13**/MF **A03**

PB92-116037/REB
Parametric Analysis of the Installation and Operating Costs of Active Soil Depressurization Systems for Residential Radon Mitigation.
PB92-116037/REB 92-01 PC **A07**/MF **A02**

PB92-116045/REB
Evaluating Design and Verifying Compliance of Created Wetlands in the Vicinity of Tampa, Florida.
PB92-116045/REB 92-01 PC **A06**/MF **A02**

PB92-116052/REB
Plant Tier Testing: A Workshop to Evaluate Nontarget Plant Testing in Subdivision J Pesticide Guidelines. Held in Corvallis, Oregon on November 29-December 1, 1990.
PB92-116052/REB 92-01 PC **A12**/MF **A03**

PB92-117936/REB
Manual of Small Public Water Supply Systems.
PB92-117936/REB 92-01 PC **A10**/MF **A03**

PB92-117944/REB
Manual of Individual and Non-Public Water Supply Systems.
PB92-117944/REB 92-01 PC **A09**/MF **A02**

PB92-117993/REB
Paying for Safe Water: Alternative Financing Mechanisms for State Drinking Water Programs.
PB92-117993/REB 92-01 PC **A04**/MF **A01**

PB92-118009/REB
Evaluation of a Vehicle Equipped with a Direct Injection Engine Using Neat Methanol.
PB92-118009/REB 92-01 PC **A03**/MF **A01**

PB92-118017/REB
Emission Inventory Requirements for Ozone State Implementation Plans.
PB92-118017/REB 92-01 PC **A06**/MF **A02**

PB92-118447/REB
Forest Health Monitoring Plot Design and Logistics Study.
PB92-118447/REB 92-01 PC **A06**/MF **A02**

PB92-119015/REB
Estimating Critical Loads of Sulfate to Surface Waters in the Northeastern United States: A Comparative Assessment of Three Procedures for Estimating Critical Loads of Sulfate for Lakes.
PB92-119015/REB 92-01 PC **A03**/MF **A01**

PB92-119023/REB
DuPont/Oberlin Microfiltration Technology. Applications Analysis Report.
PB92-119023/REB 92-01 PC **A04**/MF **A01**

PB92-119650/REB
Identification of Sources of Ground-Water Salinization Using Geochemical Techniques.
PB92-119650/REB 92-01 PC **A12**/MF **A03**

PB92-119668/REB
RETC Code for Quantifying the Hydraulic Functions of Unsaturated Soils. Documentation.
PB92-119668/REB 92-01 PC **A05**/MF **A01**

PB92-119940/REB
Proceedings of International Workshop on Research in Pesticide Treatment/Disposal/Waste Minimization. Held in Cincinnati, Ohio on February 26-27, 1991.
PB92-119940/REB 92-01 PC **A10**/MF **A03**

PB92-119957/REB
Model of Virus Transport in Unsaturated Soil.
PB92-119957/REB 92-01 PC **A07**/MF **A02**

PB92-119965/REB
States' Efforts to Promote Lead-Acid Battery Recycling.
PB92-119965/REB 92-01 PC **A04**/MF **A01**

PB92-120427/REB
Modeling Air Flow Dynamics in Radon Mitigation Systems: A Simplified Approach.
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PB92-120435/REB
RCRA Cover Systems for Waste Management Facilities.
PB92-120435/REB 92-01 PC **A03**/MF **A01**

PB92-120443/REB
Cost Analysis of Soil Depressurization Techniques for Indoor Radon Reduction.
PB92-120443/REB 92-01 PC **A03**/MF **A01**

PB92-120450/REB
Trajectory and Incineration of Rogue Droplets in a Turbulent Diffusion Flame.
PB92-120450/REB 92-01 PC **A03**/MF **A01**

PB92-120468/REB
Potentiation of Inhibition with Perforant Path Kindling: An NMDA-Receptor Dependent Process.
PB92-120468/REB 92-01 PC **A02**/MF **A01**

PB92-120476/REB
Colchicine-Induced Deafferentation of the Hippocampus Selectively Disrupts Cholinergic Rhythmical Slow Wave Activity.
PB92-120476/REB 92-01 PC **A03**/MF **A01**

PB92-120484/REB
Genotoxicity in Mouse Lymphoma Cells of Chemicals Capable of Michael Addition.
PB92-120484/REB 92-01 PC **A02**/MF **A01**

PB92-120492/REB
Neural Factors in the Development of Renal Function: Effect of Neonatal Central Catecholaminergic Lesions with 6-Hydroxydopamine.
PB92-120492/REB 92-01 PC **A02**/MF **A01**

PB92-120500/REB
Mercury Deposition and Sources for the Upper Great Lakes Region.
PB92-120500/REB 92-01 PC **A03**/MF **A01**

PB92-120831/REB
Another Look: National Survey of Pesticides in Drinking Water Wells. Phase 2 Report.
PB92-120831/REB 92-01 PC **E05**/MF **A03**

PB92-120872/REB
Regional Oxidant Model (ROM) User's Guide. Part 4: The ROM System User Tutorial (Processor Network and Core Model).
PB92-120872/REB 92-01 PC **A10**/MF **A03**

PB92-120914/REB
National Radon Contractor Proficiency (RCP) Program. Proficiency Report, January 1992.
PB92-120914/REB 92-01 PC **A10**/MF **A03**

PB92-121144/REB
Routine Estimation and Reporting of Dry Deposition for the U.S.A. Dry Deposition Network.
PB92-121144/REB 92-01 PC **A03**/MF **A01**

PB92-121151/REB
Dechlorinations of Polychlorinated Biphenyls in Sediments of New Bedford Harbor.
PB92-121151/REB 92-01 PC **A03**/MF **A01**

PB92-121169/REB
EPA's Environmental Monitoring and Assessment Program: An Ecological Status and Trends Program.
PB92-121169/REB 92-01 PC **A03**/MF **A01**

PB92-121177/REB
United States Environmental Protection Agency Municipal Waste Combustion Residue Solidification/Stabilization Evaluation Program.
PB92-121177/REB 92-01 PC **A03**/MF **A01**

PB92-121185/REB
U.S. EPA Program for Evaluation of Treatment and Utilization Technologies for Municipal Waste Combustion Residues.
PB92-121185/REB 92-01 PC **A03**/MF **A01**

PB92-121193/REB
Comparison of Five Solidification/Stabilization Processes for Treatment of Municipal Waste Combustion Residues. Part 1. Physical Testing.
PB92-121193/REB 92-01 PC **A03**/MF **A01**

PB92-121201/REB
Comparison of Solidification/Stabilization Processes for Treatment of Municipal Waste Combustion Residues. Part 2. Leaching Properties.
PB92-121201/REB 92-01 PC **A03**/MF **A01**

PB92-121219/REB
U.S. Standards for Air Sampling of Environmental Contaminants: Current Basis and Future Options.
PB92-121219/REB 92-01 PC **A03**/MF **A01**

PB92-121227/REB
Laboratory and Field Studies on BTEX Biodegradation in a Fuel-Contaminated Aquifer under Denitrifying Conditions.
PB92-121227/REB 92-01 PC **A03**/MF **A01**

PB92-121235/REB
Fuel Cell Energy Recovery from Landfill Gas.
PB92-121235/REB 92-01 PC **A03**/MF **A01**

PB92-121243/REB
Modeling Wave Form Effects in ESPs: The Algorithm in ESPM and ESPVI.
PB92-121243/REB 92-01 PC **A03**/MF **A01**

PB92-121250/REB
U.S. EPA Office of Research and Development Overview of Current Radon Research.
PB92-121250/REB 92-01 PC **A02**/MF **A01**

PB92-121268/REB
Sub-Slab Pressure Field Extension in Schools and Other Large Buildings.
PB92-121268/REB 92-01 PC **A03**/MF **A01**

PB92-121276/REB
Evaluation of NOx Emission Control Catalysts for Power Plant SCR Installations.
PB92-121276/REB 92-01 PC **A03**/MF **A01**

PB92-121284/REB
Radionuclide Removal.
PB92-121284/REB 92-01 PC **A03**/MF **A01**

PB92-121292/REB
U.S. Environmental Protection Agency's Environmental Monitoring and Assessment Program: An Ecological Status and Trends Program.
PB92-121292/REB 92-01 PC **A02**/MF **A01**

PB92-121300/REB
Cleaning of Flue Gases from Waste Combustors, 1990.
PB92-121300/REB 92-01 PC **A03**/MF **A01**

PB92-121318/REB
Genotoxic Effects of Complex Marine Sediment Extracts on V79 Chinese Hamster Lung Fibroblasts.
PB92-121318/REB 92-01 PC **A02**/MF **A01**

PB92-121326/REB
Influence of Size on Fate and Ecological Effects of Kepone in Physical Models.
PB92-121326/REB 92-01 PC **A03**/MF **A01**

PB92-121334/REB
Hydraulic Fracturing to Improve Nutrient and Oxygen Delivery for In situ Bioreclamation.
PB92-121334/REB 92-01 PC **A03**/MF **A01**

PB92-121342/REB
Bioventing to Treat Fuel Spills from Underground Storage Tanks.
PB92-121342/REB 92-01 PC **A02**/MF **A01**

PB92-121359/REB
Global Carbon Cycle and Climate Change: Responses and Feedbacks from Below-Ground Systems.
PB92-121359/REB 92-01 PC **A03**/MF **A01**

PB92-121367/REB
Extraction of Mercury from Groundwater Using Immobilized Algae.
PB92-121367/REB 92-01 PC **A02**/MF **A01**

PB92-121375/REB
Stationary Combustion NOx Control: A Summary of the 1991 Symposium. Held in Washington, DC., March 25-28, 1991.
PB92-121375/REB 92-01 PC **A02**/MF **A01**

PB92-121383/REB
Role of Gas-Phase Cl2 in the Formation of PCDD/PCDF during Waste Combustion.
PB92-121383/REB 92-01 PC **A02**/MF **A01**

PB92-121391/REB
Three Case Studies of Lake Temperature and Stratification Response to Warmer Climate.
PB92-121391/REB 92-01 PC **A03**/MF **A01**

PB92-121409/REB
Characteristics of Single Particle Coal Combustion.
PB92-121409/REB 92-01 PC **A02**/MF **A01**

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NO/Char Reactions at Pulverized Coal Flame Conditions.
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Non-Equilibrium Effects in the Vaporization of Multicomponent Fuel Droplets.
PB92-121425/REB 92-01 PC **A02**/MF **A01**

PB92-121433/REB
Nitric Oxide Formation during Pulverized Coal Combustion.
PB92-121433/REB 92-01 PC **A03**/MF **A01**

PB92-121441/REB
Oxidation and Devolatilization of Nitrogen in Coal Char.
PB92-121441/REB 92-01 PC **A02**/MF **A01**

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Application for Certification 1992 Model Year Light-Duty Vehicles.
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Application for Certification 1992 Model Year Light-Duty Trucks - Chrysler.
PB92-122225/REB 92-01 PC **A99**/MF **E08**

PB92-122233/REB
Application for Certification 1992 Model Year Light-Duty Trucks - Chrysler Jeep.
PB92-122233/REB 92-01 PC **A15**/MF **A03**

PB92-122241/REB
Application for Certification 1992 Model Year Light-Duty Vehicles - Chrysler.
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Application for Certification 1992 Model Year Light-Duty Vehicles - Daihatsu.
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Application for Certification 1992 Model Year Light-Duty Vehicles - Federal Coach.
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Application for Certification 1992 Model Year Light-Duty Vehicles - Fiat.
PB92-122274/REB 92-01 PC **A99**/MF **E04**

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Application for Certification 1992 Model Year Light-Duty Vehicles - Fiat Ferrari.
PB92-122282/REB 92-01 PC **A99**/MF **A06**

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Application for Certification 1992 Model Year Light-Duty Trucks - Ford.
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Application for Certification 1992 Model Year Light-Duty Vehicles - Ford.
PB92-122308/REB 92-01 PC **A99**/MF **E16**

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Application for Certification 1992 Model Year Light-Duty Vehicles - General Motors.
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Application for Certification 1992 Model Year Light-Duty Vehicles - Grumman Olson.
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Application for Certification 1992 Model Year Light-Duty Vehicles - Isuzu.
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Application for Certification 1992 Model Year Light-Duty Trucks - Isuzu.
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Application for Certification 1992 Model Year Light-Duty Vehicles - Mazda.
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Application for Certification 1992 Model Year Light-Duty Vehicles - Rolls Royce.
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Application for Certification 1992 Model Year Light-Duty Motorcycles - Yamaha.
PB92-122480/REB 92-01 PC **A21**/MF **A04**

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Application for Certification 1992 Model Year Heavy-Duty Vehicles.
PB92-122498/REB 92-01 PC **E99**/MF **E99**

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Application for Certification 1992 Model Year Heavy-Duty Chrysler Otto Cycle.
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Application for Certification 1992 Model Year Heavy-Duty Engines - Ford.
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Application for Certification 1992 Model Year Heavy-Duty Vehicles - Perkins.
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PB92-122761/REB
Quality Assurance Project Plan: Tampa, Florida Wetlands Study.
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PB92-122787/REB
Assessment of Promising Forest Management Practices and Technologies for Enhancing the Conservation and Sequestration of Atmospheric Carbon and Their Costs at the Site Level.
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PB92-122795/REB
Technical Assistance Document for Sampling and Analysis of Ozone Precursors.
PB92-122795/REB 92-01 PC **A09**/MF **A02**

PB92-122803/REB
Global Ecosystems Database. Version 0.1 (Beta-test). EPA Global Climate Research Program. NOAA/NGDC Global Change Database Program. Prototype 1. Database Documentation. NGDC Key to Geophysical Records Documentation No. 25.
PB92-122803/REB 92-01 PC **A16**/MF **A03**

PB92-122969/REB
Summary of Phase II Regulations: National Primary Drinking Water Regulation for 38 Inorganic and Synthetic Organic Chemicals.
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Environmental Profiles and Hazard Indices for Constituents of Municipal Sludge: Mercury.
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PB92-123009/REB 92-01 PC **A05**/MF **A01**

PB92-123025/REB
National Survey of Hazardous Waste Generators and Treatment, Storage, Disposal, and Recycling Facilities in 1986. Hazardous Waste Generation and Management.
PB92-123025/REB 92-01 PC **A12**/MF **A03**

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Child Lead Exposure Study, Leeds, Alabama.
PB92-123793/REB 92-01 PC **A05**/MF **A01**

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Benzene Groundwater Exposure Study, Nesmith, South Carolina.
PB92-123801/REB 92-01 PC **A03**/MF **A01**

PB92-124049/REB
Construction, Monitoring, and Performance of Two Soil Liners.
PB92-124049/REB 92-01 PC **A07**/MF **A02**

PB92-124130/REB
Source Reconciliation of Ambient Volatile Organic Compounds Measured in the Atlanta 1990 Summer Study: The Mobile Source Component.
PB92-124130/REB 92-01 PC **A03**/MF **A01**

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Adjusting Ambient Ozone Air Quality Indicators for Missing Values.
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PB92-124163/REB 92-01 PC **A03**/MF **A01**

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Toxicological Implementations of Remediating Hazardous Wastes.
PB92-124171/REB 92-01 PC **A03**/MF **A01**

PB92-124189/REB
Toxicity, Selectivity and Sublethal Effects of Pesticides on Arthropod Natural Enemies: A Data-Base Summary.
PB92-124189/REB 92-01 PC **A03**/MF **A01**

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Soil-Air Permeability Method Evaluation.
PB92-124239/REB 92-01 PC **A02**/MF **A01**

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NERISK: An Expert System to Enhance the Integration of Pesticides with Anthropod Biological Control.
PB92-124254/REB 92-01 PC **A02**/MF **A01**

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PB92-124262/REB 92-01 PC **A03**/MF **A01**

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Comparison of Animal Infectivity, Excystation, and Fluorogenic Dye as Measures of 'Giardia muris' Cyst Inactivation by Ozone.
PB92-124288/REB 92-01 PC **A02**/MF **A01**

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PB92-124627/REB 92-01 PC **A01**/MF **A01**

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Acute Effects of Diisopropyl Fluorophosphate (DFP) on Autonomic and Behavioral Thermoregulatory Responses in the Long-Evans Rat.
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PB92-124676/REB
Airway Structure Variability in the Long-Evans Rat Lung.
PB92-124676/REB 92-01 PC **A02**/MF **A01**

PB92-124684/REB
Rat Sperm Motility Analysis: Methodologic Considerations.
PB92-124684/REB 92-01 PC **A03**/MF **A01**

PB92-124692/REB
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PB92-124692/REB 92-01 PC **A03**/MF **A01**

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Neonatal Exposure to Trimethyltin Disrupts Spatial Delayed Alternation Learning in Preweanling Rats.
PB92-124718/REB 92-01 PC **A02**/MF **A01**

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PB92-124734/REB
Interlaboratory Comparison of Thermospray and Particle Beam *Liquid Chromatography/Mass Spectrometry* Interfaces: Evaluation of a Chlorinated Phenoxy Acid Herbicide *Liquid Chromatography/Mass Spectrometry* Analysis Method.
PB92-124734/REB 92-01 PC **A02**/MF **A01**

PB92-124759/REB
Mining Sites on the National Priorities List: NPL Site Summary Reports.
PB92-124759/REB 92-01 PC **E09**

PB92-124767/REB
Mining Sites on the National Priorities List: NPL Site Summary Reports. Volume 1 (Aluminum Company of America (Vancouver Smelter) to Cleveland Mill).
PB92-124767/REB 92-01 PC **A99**

PB92-124775/REB
Mining Sites on the *National Priorities List: NPL Site Summary* Reports. Volume 2 (Commencement Bay Nearshore/ Tideflats to Kerr McGee) (*Kress Creek, Reed-Keppler Park,* Residential Areas, Sewage Treatment Plant).
PB92-124775/REB 92-01 PC **A99**

PB92-124783/REB
Mining Sites on the National Priorities List: NPL Site Summary Reports. Volume 3 (Kerr-McGee Chemical Corp. (Soda Springs Plant) to Ormet Corp).
PB92-124783/REB 92-01 PC **A99**

PB92-124791/REB
Mining Sites on the National Priorities List: NPL Site Summary Reports. Volume 4 (Oronogo-Duenweg Mining Belt to Tar Creek).
PB92-124791/REB 92-01 PC **A99**

PB92-124809/REB
Mining Sites on the National Priorities List: NPL Site Summary Reports. Volume 5 (*Teledyne Wah Chang to* Wayne Interim Storage Facility/W.R. Grace).
PB92-124809/REB 92-01 PC **A99**

PB92-125418/REB
Waste Combustion System Analysis.
PB92-125418/REB 92-01 PC **A06**/MF **A02**

PB92-125749/REB
Superfund Innovative Technology Evaluation: The Delaware SITE Study, 1989.
PB92-125749/REB 92-01 PC **A08**/MF **A02**

PB92-125756/REB
Evaluation of Five Waste Minimization Technologies at the *General Dynamics Pomona Division Plant.*
PB92-125756/REB 92-01 PC **A04**/MF **A01**

PB92-125764/REB
International Symposium on Field Screening Methods for Hazardous Wastes and Toxic Chemicals (2nd), Proceedings. Held in Las Vegas, Nevada on February 12-14, 1991.
PB92-125764/REB 92-01 PC **A99**/MF **E08**

PB92-126739/REB
Reregistration Eligibility Document (RED): Warfarin.
PB92-126739/REB 92-01 PC **A04**/MF **A01**

PB92-126747/REB
Reregistration Eligibility Document (RED): Warfarin. Appendices C-H.
PB92-126747/REB 92-01 PC **A06**/MF **A02**

PB92-126754/REB
RED Facts: Warfarin.
PB92-126754/REB 92-01 PC **A02**/MF **A01**

PB92-126762/REB
Dry Cleaning Facilities: Background Information for Proposed Standards.
PB92-126762/REB 92-01 PC **A07**/MF **A02**

PB92-126770/REB
Economic Impact Analysis of Regulatory Controls in the Dry Cleaning Industry.
PB92-126770/REB 92-01 PC **A11**/MF **A03**

PB92-126788/REB
Locating and Estimating Air Emissions from Sources of Styrene, Interim Report.
PB92-126788/REB 92-01 PC **A08**/MF **A02**

PB92-126796/REB
Development of Seasonal and Annual Biogenic Emissions Inventories for the U.S. and Canada.
PB92-126796/REB 92-01 PC **A07**/MF **A02**

PB92-126804/REB
Automotive and Heavy-Duty *Engine Coolant Recycling* by Filtration. Technology Evaluation Report.
PB92-126804/REB 92-01 PC **A05**/MF **A01**

PB92-126812/REB
Measurement and Prediction of the Resistivity of Ash/Sorbent Mixtures Produced by Sulfur Oxide Control Processes.
PB92-126812/REB 92-01 PC **A04**/MF **A01**

PB92-126820/REB
Preliminary Risk Assessment for Bacteria in Municipal *Sewage Sludge Applied to Land.*
PB92-126820/REB 92-01 PC **A10**/MF **A03**

PB92-126838/REB
Removal of Creosote from Soil by Thermal Desorption.
PB92-126838/REB 92-01 PC **A02**/MF **A01**

PB92-126846/REB
Research and Development Efforts to Develop Improved *Inventory Methodologies for Area Source Solvent Emis*sions.
PB92-126846/REB 92-01 PC **A03**/MF **A01**

PB92-126853/REB
Applicability of UV/Oxidation Technologies to Treat Contaminated Groundwater.
PB92-126853/REB 92-01 PC **A03**/MF **A01**

PB92-126861/REB
Lignocellulosic-Plastic Composites from Recycled Materials.
PB92-126861/REB 92-01 PC **A03**/MF **A01**

PB92-126879/REB
Feline Bronchopulmonary Disease.
PB92-126879/REB 92-01 PC **A03**/MF **A01**

PB92-126887/REB
Fractionation of Complex Combustion Mixtures Using an Ion-Exchange Methodology.
PB92-126887/REB 92-01 PC **A02**/MF **A01**

PB92-126895/REB
Pseudopregnancy and the Decidual Cell Response (DCR) in the Rat.
PB92-126895/REB 92-01 PC **A03**/MF **A01**

PB92-126903/REB
Assessment of Implantation in the Rat.
PB92-126903/REB 92-01 PC **A03**/MF **A01**

PB92-126911/REB
In vitro *Lymphocyte Proliferation Assays: The Mitogen-Stim*ulated Response and the Mixed Lymphocyte Reaction in *Immunotoxicity Testing.*
PB92-126911/REB 92-01 PC **A03**/MF **A01**

PB92-126929/REB
Prospects for In situ Chemical Treatment for Contaminated Soil.
PB92-126929/REB 92-01 PC **A02**/MF **A01**

PB92-126937/REB
Tropospheric Nitrogen: The Influence of Anthropogenic Sources on Distribution and Deposition.
PB92-126937/REB 92-01 PC **A06**/MF **A02**

PB92-126945/REB
Compilation of Air Pollutant Emission Factors. Volume 1. Stationary Point and Area Sources. Fourth Edition. Supplement D.
PB92-126945/REB 92-01 PC **A07**/MF **A02**

PB92-126952/REB
Experimental Investigation of PIC Formation in CFC Incineration.
PB92-126952/REB 92-01 PC **A06**/MF **A02**

PB92-126960/REB
Nonroad Engine and Vehicle Emission Study-Report.
PB92-126960/REB 92-01 PC **A24**/MF **A04**

PB92-126978/REB
Pesticide Fact Sheet Number 228: Triflumizole.
PB92-126978/REB 92-01 PC **A02**/MF **A01**

PB92-126986/REB
Pesticide Fact Sheet Number 229: Diquat Dibromide.
PB92-126986/REB 92-01 PC **A03**/MF **A01**

PB92-127968/REB
Application for Certification 1990 Model Year Light-Duty Vehicles - BMW.
PB92-127968/REB 92-01 PC **A99**/MF **E99**

PB92-127976/REB
Application for Certification 1990 Model Year Light-Duty Vehicles - Honda.
PB92-127976/REB 92-01 PC **A22**/MF **A04**

PB92-127984/REB
Application for Certification 1990 Heavy-Duty Diesel - Detroit Diesel.
PB92-127984/REB 92-01 PC **A13**/MF **A03**

PB92-127992/REB
Application for Certification 1991 Model Year Light-Duty Trucks - Chrysler Jeep.
PB92-127992/REB 92-01 PC **A99**/MF **A06**

PB92-128008/REB
Application for Certification 1991 Model Year Light-Duty Trucks - Chrysler.
PB92-128008/REB 92-01 PC **A99**/MF **E11**

PB92-128016/REB
Application for Certification 1991 Model Year Light-Duty Vehicles - Chrysler.
PB92-128016/REB 92-01 PC **A99**/MF **E11**

PB92-128024/REB
Application for Certification 1991 Model Year Light-Duty Vehicles - Fiat.
PB92-128024/REB 92-01 PC **A13**/MF **A03**

PB92-128032/REB
Application for Certification 1991 Model Year Light-Duty Vehicles - American Honda.
PB92-128032/REB 92-01 PC **A99**/MF **E08**

PB92-128040/REB
Application for Certification 1991 Model Year Light-Duty Vehicles - Jaguar.
PB92-128040/REB 92-01 PC **A05**/MF **A01**

PB92-128057/REB
Application for Certification 1991 Model Year Light-Duty Vehicles - Mazda Motor Company.
PB92-128057/REB 92-01 PC **A99**/MF **E14**

PB92-128065/REB
Application for Certification 1991 Model Year Light-Duty Vehicles - Mercedes Benz.
PB92-128065/REB 92-01 PC **A99**/MF **E08**

PB92-128073/REB
Application for Certification 1991 Model Year Light-Duty Trucks - Mitsubishi.
PB92-128073/REB 92-01 PC **A99**/MF **A06**

PB92-128081/REB
Application for Certification 1991 Model Year Light-Duty Vehicles - Range Rover.
PB92-128081/REB 92-01 PC **A07**/MF **A02**

PB92-128099/REB
Application for Certification 1991 Model Year Light-Duty Vehicles - Sterling.
PB92-128099/REB 92-01 PC **A06**/MF **A02**

PB92-128107/REB
Application for Certification 1991 Model Year Light-Duty Vehicles - Volvo.
PB92-128107/REB 92-01 PC **A99**/MF **E19**

PB92-128115/REB
Application for Certification 1991 Model Year Heavy-Duty Gas - Chrysler.
PB92-128115/REB 92-01 PC **A06**/MF **A02**

PB92-128123/REB
Application for Certification 1991 Model Year Heavy-Duty Diesel Engines - Isuzu Motors.
PB92-128123/REB 92-01 PC **A10**/MF **A03**

PB92-128206/REB
Compilation of Current Practices at Land Disposal Facilities: Summary of Liner and Leak Detection Designs, Action Leakage Rates, Response Action Plans, and Management of Liquids in Landfills.
PB92-128206/REB 92-01 PC **A08**/MF **A02**

PB92-128214/REB
Action Leakage Rates for Leak Detection Systems. (Supplemental Background Document for the Final Double Liners and Leak Detection Systems Rule for Hazardous Waste Landfills, Waste Piles, and Surface Impoundments).
PB92-128214/REB 92-01 PC **A04**/MF **A01**

PB92-129121/REB
Guides to Pollution Prevention: The Photoprocessing Industry.
PB92-129121/REB 92-01 PC **A04**/MF **A01**

PB92-129139/REB
Guides to Pollution Prevention: The Automotive Refinishing Industry.
PB92-129139/REB 92-01 PC **A04**/MF **A01**

PB92-129592/REB
Estimating Natural Emissions for EPA's Regional Oxidant Model.
PB92-129592/REB 92-01 PC **A03**/MF **A01**

PB92-129600/REB
Evaluation of a Sampling and Analysis Method for Determination of Polyhalogenated Dibenzo-p-Dioxins and Dibenzofurans in Ambient Air.
PB92-129600/REB 92-01 PC **A02**/MF **A01**

PB92-129618/REB
Specificity of Cellular DNA-Binding Sites of Microbial Populations in a Florida Reservoir.
PB92-129618/REB 92-01 PC **A02**/MF **A01**

PB92-129626/REB
Estimating the Rate of Plasmid Transfer: An End-Point Method.
PB92-129626/REB 92-01 PC **A02**/MF **A01**

PB92-129634/REB
Cloning and Characterization of tfdS, the Repressor-Activator Gene of tfdB, from the 2,4-Dichlorophenoxyacetic Acid Catabolic Plasmid pJP4.
PB92-129634/REB 92-01 PC **A02**/MF **A01**

PB92-129642/REB
Technical Basis for Establishing Sediment Quality Criteria for Nonionic Organic Chemicals Using Equilibrium Partitioning. Annual Review.
PB92-129642/REB 92-01 PC **A03**/MF **A01**

PB92-129659/REB
Biodegradation of Creosote and Pentachlorophenol in Contaminated Groundwater: Chemical and Biological Assessment.
PB92-129659/REB 92-01 PC **A03**/MF **A01**

PB92-129667/REB
Acclimation of Aquatic Microbial Communities to Hg(II) and CH3Hg(+) in Polluted Freshwater Ponds.
PB92-129667/REB 92-01 PC **A03**/MF **A01**

PB92-129675/REB
Relationships of Hg(II) Volatilization from a Freshwater Pond to the Abundance of 'mer' Genes in the Gene Pool of the Indigenous Microbial Community.
PB92-129675/REB 92-01 PC **A03**/MF **A01**

PB92-129683/REB
Bench-Scale Evaluation of Alternative Biological Treatment Processes for the Remediation of Pentachlorophenol- and Creosote-Contaminated Materials: Slurry-Phase Bioremediation.
PB92-129683/REB 92-01 PC **A02**/MF **A01**

PB92-129691/REB
Ovarian Mycosis in the Topsmelt 'Atherinops affinis'.
PB92-129691/REB 92-01 PC **A01**/MF **A01**

PB92-129709/REB
Changes in the Physiological Performance and Energy Metabolism of an Estuarine Mysid 'Mysidopsis bahia' Exposed in the Laboratory through a Complete Life Cycle to the Defoliant DEF.
PB92-129709/REB 92-01 PC **A03**/MF **A01**

PB92-129717/REB
Performance Characterization of a Model Bioreactor for the Biodegradation of Trichloroethylene by 'Pseudomonas cepacia' G4.
PB92-129717/REB 92-01 PC **A02**/MF **A01**

PB92-129725/REB
Bench-Scale Evaluation of Alternative Biological Treatment Processes for the Remediation of Pentachlorophenol- and Creosote-Contaminated Materials: Solid-Phase Bioremediation.
PB92-129725/REB 92-01 PC **A03**/MF **A01**

PB92-129733/REB
Detoxification of Pentachlorophenol and Creosote Contaminated Groundwater by Physical Extraction: Chemical and Biological Assessment.
PB92-129733/REB 92-01 PC **A02**/MF **A01**

PB92-129741/REB
Mutants of 'Pseudomonas cepacia' G4 Defective in Catabolism of Aromatic Compounds and Trichloroethylene.
PB92-129741/REB 92-01 PC **A02**/MF **A01**

PB92-129758/REB
Responses of Wetland Plants to Effluents in Water and Sediment.
PB92-129758/REB 92-01 PC **A02**/MF **A01**

PB92-129766/REB
Heterotrophic Bacteria of the Freshwater Neuston and Their Ability to Act as Plasmid Recipients under Nutrient Deprived Conditions.
PB92-129766/REB 92-01 PC **A03**/MF **A01**

PB92-129774/REB
Fate of 'Bacillus sphaericus' 2362 Spores Following Ingestion by Nontarget Invertebrates.
PB92-129774/REB 92-01 PC **A03**/MF **A01**

PB92-129782/REB
Carcinoma of the Exocrine Pancreas in Medaka.
PB92-129782/REB 92-01 PC **A02**/MF **A01**

PB92-129790/REB
Induction of Cytochrome P-450-IA1 in Juvenile Fish by Creosote-Contaminated Sediment.
PB92-129790/REB 92-01 PC **A02**/MF **A01**

PB92-129808/REB
Copper Toxicity to Sperm, Embryos and Larvae of Topsmelt 'Atherinops affinis', with Notes on Induced Spawning.
PB92-129808/REB 92-01 PC **A03**/MF **A01**

PB92-131390/REB
Inside the Hotline: A Compilation of 1991 Monthly Hotline Reports.
PB92-131390/REB 92-01 PC **A04**/MF **A01**

PB92-132778/REB
Chemical Contamination of Harbor Seal Pups in Puget Sound. Puget Sound Estuary Program.
PB92-132778/REB 92-01 PC **A06**/MF **A02**

PB92-132786/REB
Dioxin and Furan Concentrations in Puget Sound Crabs. Puget Sound Estuary Program.
PB92-132786/REB 92-01 PC **A05**/MF **A01**

PB92-132794/REB
Project Manager's Guide to Requesting and Evaluating Chemical Analyses. Puget Sound Estuary Program.
PB92-132794/REB 92-01 PC **A08**/MF **A02**

PB92-132802/REB
Land Manager's Guide to Water Quality Monitoring.
PB92-132802/REB 92-01 PC **A02**/MF **A01**

PB92-132810/REB
EPA Journal Holdings Report, 1991.
PB92-132810/REB 92-01 PC **A12**/MF **A03**

PB92-132828/REB
Alternative Control Techniques Document: Nitric and Adipic Acid Manufacturing Plants.
PB92-132828/REB 92-01 PC **A07**/MF **A02**

PB92-132836/REB
Guidelines for Asbestos NESHAP Demolition and Renovation Inspection Procedures.
PB92-132836/REB 92-01 PC **A07**/MF **A02**

PB92-132844/REB
Technical Guidance: State II Vapor Recovery Systems for Control of Vehicle Refueling Emissions at Gasoline Dispensing Facilities. Volume 1. Chapters.
PB92-132844/REB 92-01 PC **A10**/MF **A03**

PB92-132851/REB
Technical Guidance: Stage II Vapor Recovery Systems for Control of Vehicle Refueling Emissions at Gasoline Dispensing Facilities. Volume 2. Appendices.
PB92-132851/REB 92-01 PC **A20**/MF **A04**

PB92-132869/REB
Documentation of AIRS AMS National Methodologies.
PB92-132869/REB 92-01 PC **A07**/MF **A02**

PB92-132877/REB
Selection of Adduct-Forming Chemicals for Human Monitoring Studies.
PB92-132877/REB 92-01 PC **A05**/MF **A01**

PB92-132885/REB
Role of Climate in Forest Monitoring and Assessment: A New England Example.
PB92-132885/REB 92-01 PC **A06**/MF **A02**

PB92-132893/REB
Practical Directory to Phycovirus Literature.
PB92-132893/REB 92-01 PC **A03**/MF **A01**

PB92-132901/REB
Numerical Calculation: Aspiration Efficiency of Aerosols into Thin-Walled Sampling Inlets.
PB92-132901/REB 92-01 PC **A06**/MF **A02**

PB92-135417/REB
Drinking Water Health Advisory for Aldrin.
PB92-135417/REB 92-01 PC **A03**/MF **A01**

PB92-135425/REB
Drinking Water Health Advisory for Ammonia.
PB92-135425/REB 92-01 PC **A03**/MF **A01**

PB92-135433/REB
Drinking Water Health Advisory Antimony.
PB92-135433/REB 92-01 PC **A03**/MF **A01**

PB92-135441/REB
Drinking Water Health Advisory for Beryllium.
PB92-135441/REB 92-01 PC **A03**/MF **A01**

PB92-135458/REB
Drinking Water Health Advisory for Boron.
PB92-135458/REB 92-01 PC **A03**/MF **A01**

PB92-135466/REB
Drinking Water Health Advisory for Chlorpyritos.
PB92-135466/REB 92-01 PC **A03**/MF **A01**

PB92-135474/REB
Drinking Water Health Advisory for Isophorone.
PB92-135474/REB 92-01 PC **A03**/MF **A01**

PB92-135482/REB
Drinking Water Health Advisory for Malathion.
PB92-135482/REB 92-01 PC **A03**/MF **A01**

PB92-135490/REB
Drinking Water Health Advisory for p-Nitrophenol.
PB92-135490/REB 92-01 PC **A03**/MF **A01**

PB92-135508/REB
Drinking Water Health Advisory for Phenol.
PB92-135508/REB 92-01 PC **A03**/MF **A01**

PB92-135516/REB
Drinking Water Health Advisory for Silver.
PB92-135516/REB 92-01 PC **A03**/MF **A01**

PB92-135524/REB
Drinking Water Health Advisory for Thallium.
PB92-135524/REB 92-01 PC **A03**/MF **A01**

PB92-135904/REB
Hazardous Air Pollutant Program (HAP-PRO). User's Manual (for Use with Version 1.0, January-September, 1990).
PB92-135904/REB 92-01 PC **A04**/MF **A01**

PB92-136183/REB
Evaluation of Sampling Alternatives for Bioaerosols. Phase 2: Viable Microorganism Sampling Efficiency.
PB92-136183/REB 92-01 PC **A06**/MF **A02**

PB92-136795/REB
Clean Air Act Section 183(d) Guidance on Cost-Effectiveness.
PB92-136795/REB 92-01 PC **A03**/MF **A01**

PB92-136803/REB
Characterization of the Wintertime Boise, Idaho, Air Shed: A Comprehensive Field Study Report for the U.S. EPA Office of Air Quality Planning and Standards.
PB92-136803/REB 92-01 PC **A04**/MF **A01**

PB92-136811/REB
Pilot Study to Compare Created and Natural Wetlands in Western Washington and Evaluate Methods.
PB92-136811/REB 92-01 PC **A04**/MF **A01**

PB92-136829/REB
Analysis and Interpretation of Zooplankton Samples Collected during Phase 2 of the Eastern Lake Survey.
PB92-136829/REB 92-01 PC **A14**/MF **A03**

PB92-136837/REB
Indoor Air Pollutants from Household Product Sources: Project Report.
PB92-136837/REB 92-01 PC **A08**/MF **A02**

PB92-136845/REB
Effects of Ozone on Crops.
PB92-136845/REB 92-01 PC **A03**/MF **A01**

PB92-136852/REB
Comparison of Organic Emissions from Laboratory and Full-Scale Thermal Degradation of Sewage Sludge.
PB92-136852/REB 92-01 PC **A03**/MF **A01**

PB92-136860/REB
Observations on Studies Useful to Asbestos Operations and Management Activities.
PB92-136860/REB 92-01 PC **A03**/MF **A01**

PB92-136878/REB
Evaluation of Waste Stabilized by the Solditech SITE Technology.
PB92-136878/REB 92-01 PC **A02**/MF **A01**

PB92-136886/REB
Prevention of Waterborne Cholera in the United States.
PB92-136886/REB 92-01 PC **A02**/MF **A01**

PB92-136894/REB
Stratospheric Ozone Protection: An EPA Engineering Perspective.
PB92-136894/REB 92-01 PC **A02**/MF **A01**

PB92-136902/REB
Physiologically Based Toxicokinetic Model for the Uptake and Disposition of Waterborne Organic Chemicals in Fish.
PB92-136902/REB 92-01 PC **A03**/MF **A01**

PB92-136910/REB
Consideration of Pharmacokinetics and Temporal Sensitivity for Hydroxyurea in Relation to Teratogenic Potential.
PB92-136910/REB 92-01 PC **A03**/MF **A01**

PB92-136928/REB
Chemical Resistance of Geosynthetic Materials.
PB92-136928/REB 92-01 PC **A03**/MF **A01**

PB92-136936/REB
Demonstration of Microfiltration Technology.
PB92-136936/REB 92-01 PC **A02**/MF **A01**

PB92-136944/REB
Modeling Studies for Planning: The Green Bay Project.
PB92-136944/REB 92-01 PC **A02**/MF **A01**

PB92-136951/REB
Regional Patterns and Local Variability of Dry and Occult Deposition Strongly Influence Sulfate Concentrations in Maine Lakes.
PB92-136951/REB 92-01 PC **A02**/MF **A01**

PB92-137181/REB
QAQPS Control Cost Manual (Fourth Edition). Supplement 1.
PB92-137181/REB 92-01 PC **A05**/MF **A01**

PB92-137199/REB
Study of State Operator Certification Programs.
PB92-137199/REB 92-01 PC **A05**/MF **A01**

PB92-137207/REB
Upper-Bound Quantitative Cancer Risk Estimate for Populations Adjacent to Sulfur Mustard Incineration Facilities.
PB92-137207/REB 92-01 PC **A03**/MF **A01**

PB92-137439/REB
Lead in School Drinking Water.
PB92-137439/REB 92-01 PC **A04**/MF **A01**

PB92-137454/REB
Methods for the Detection of Microorganisms in the Environment.
PB92-137454/REB 92-01 PC **A06**/MF **A02**

PB92-137462/REB
Risk Assessment Methodologies: Comparing EPA and State Approaches.
PB92-137462/REB 92-01 PC **A05**/MF **A01**

PB92-137470/REB
Achievements in Source Reduction and Recycling for Ten Industries in the United States.
PB92-137470/REB 92-01 PC **A04**/MF **A01**

PB92-137488/REB
Guidelines for Conducting Early Life Stage Toxicity Tests with Japanese Medaka 'Oryzias latipes'.
PB92-137488/REB 92-01 PC **A03**/MF **A01**

PB92-137496/REB
Guidelines for Culturing the Japanese Medaka, 'Oryzias latipes'.
PB92-137496/REB 92-01 PC **A03**/MF **A01**

PB92-137504/REB
Seminar Publication: Nonpoint Source Watershed Workshop. Held in New Orleans, Louisiana, January 29-31, 1991.
PB92-137504/REB 92-01 PC **A10**/MF **A03**

PB92-137512/REB
Material Recovery Facilities for Municipal Solid Waste.
PB92-137512/REB 92-01 PC **A08**/MF **A02**

PB92-137520/REB
Demonstration of Fuel Cells to Recover Energy from Landfill Gas. Phase 1 Final Report: Conceptual Study.
PB92-137520/REB 92-01 PC **A05**/MF **A01**

PB92-137975/REB
Integrating Sustainable Agriculture, Ecology, and Environmental Policy. Proceedings of a Workshop. Held in Arlington, Virginia, on July 22-23, 1991.
PB92-137975/REB 92-01 PC **A11**/MF **A03**

PB92-139369/REB
Greenhouse Gases from Small-Scale Combustion in Developing Countries: A Pilot Study in Manila.
PB92-139369/REB 92-01 PC **A04**/MF **A01**

PB92-139377/REB
Identification and Characterization of Missing or Unaccounted for Area Source Categories.
PB92-139377/REB 92-01 PC **A15**/MF **A03**

PB92-139393/REB
New Developments in Emission Projection Methodologies.
PB92-139393/REB 92-01 PC **A02**/MF **A01**

PB92-139401/REB
EPA SITE Demonstration of the Horsehead Resource Development Company Flame Reactor Technology.
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Toxic Substances Control Act (TSCA) Chemical Substances Inventory: Revised Inventory Synonym and Preferred Name File. January 1992 Magnetic Tape Documentation.
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User's Guide for the Urban Airshed Model. Volume 6. User's Manual for the Postprocessing System.
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Pesticide Fact Sheet Number 231: Prodiamine.
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PB92-145424/REB
RED Facts: Carbon Dioxide.
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PB92-145432/REB
RED Facts: Silicon Dioxide and Silica Gel.
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PB92-145440/REB
RED Facts: Sodium Diacetate.
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PB92-145457/REB
Pesticide Fact Sheet Number 230: Clethodim.
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PB92-145465/REB
RED Facts: Dried Blood.
PB92-145465/REB 92-01 PC **A02**/MF **A01**

PB92-145473/REB
RED Facts: Inorganic Nitrate/Nitrite (Sodium and Potassium Nitrates).
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RCRIS Data Element Dictionary, Version 3.0.0. Data Tape Documentation.
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Organic Contract Compliance Screening System. Software for the PC (OLM01.8 Version 1). User Manual.
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Organic Contract Compliance Screening System. Software for the PC (Version June 1990). User Manual.
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RED Facts: Carbon.
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RED Facts: Propionic Acid.
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Recommended HVAC Standard of the *Florida Radon* Research Program.
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Radon *Pressure Differential Project, Phase 1, Florida* Radon Research Program.
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State Programs Advisory Number Nine.
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Performance of Chlorine-Free Binary Zeotropic Refrigerant Mixtures in a Heat Pump.
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Emissions of Metals, Chromium and Nickel Species, and Organics from Municipal Wastewater Sludge Incinerators. Volume 1. Summary Report.
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PB92-154277
Thermophysical Properties of Gaseous Refrigerants from Speed-of-Sound Measurements. 2. Results for 1,1-dichloro-1-fluoroethane (CCl2FCH3).
PB92-154277 92-01 Not available NTIS

PB92-154806/REB
Pesticide Reregistration Handbook: How to Respond to the Reregistration Eligibility Document.
PB92-154806/REB 92-01 PC **A03**/MF **A01**

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Technical Implementation Document for EPA's Boiler and Industrial Furnace Regulations.
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Toxic Release Inventory (TRI). Documentation for the 1990 Magnetic Tape.
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Consolidated List of Chemicals Subject to Reporting under the Emergency Planning and Community Right-to-Know Act. (Title III of the Superfund Amendments and Reauthorization Act of 1986).
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Protein Adducts for Exposure Monitoring: A Computerized Database. Software and User's Manual.
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Nitrate Occurence in U.S. Waters (and Related Questions). A Reference Summary of Published Sources from an Agricultural Perspective.
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PB92-158666/REB
Intersubject Variability in Human Acute Ozone Responsiveness. Symposium Proceedings.
PB92-158666/REB 92-01 PC **A02**/MF **A01**

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Interspecies Sensitivity to Chemical Carcinogens: Relationships between Mouse Skin Tumors and Human Lung Cancer.
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Pesticide Fact Sheet Number 232: Isoxaben.
PB92-160548/REB 92-01 PC **A02**/MF **A01**

PB92-161033/REB
Progress Report of the Baywide Nutrient Reduction Reevaluation: Chesapeake Bay Program.
PB92-161033/REB 92-01 PC **A04**/MF **A01**

PB92-161199/REB
Technical Aspects of Underground Storage Tank Closure.
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PB92-161942/REB
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PB92-161959/REB
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PB92-161959/REB 92-01 PC **A05**/MF **A01**

PB92-161967/REB
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PB92-161967/REB 92-01 PC **A04**/MF **A01**

PB92-161975/REB
Reregistration Eligibility Document (RED): Inorganic Nitrate/Nitrite (Sodium and Potassium Nitrates).
PB92-161975/REB 92-01 PC **A03**/MF **A01**

PB92-161983/REB
Reregistration Eligibility Document (RED): Propionic Acid.
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PB92-162569/REB
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PB92-162569/REB 92-01 PC **A07**/MF **A02**

PB92-164490/REB
Application of a Water Quality Assessment Modeling System at a Superfund Site.
PB92-164490/REB 92-01 PC **A05**/MF **A01**

PB92-164706/REB
Environmental Radiation Data. Report 63, July-September 1990.
PB92-164706/REB 92-01 PC **A03**/MF **A01**

PB92-164714/REB
Drinking Water Systems: Three Approaches to Improve Mobile Home Park Compliance.
PB92-164714/REB 92-01 PC **A05**/MF **A02**

PB92-164722/REB
Handbook for Special Public Notification for Lead for Public Drinking Water Suppliers.
PB92-164722/REB 92-01 PC **A04**/MF **A01**

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PB92-164730/REB 92-01 PC **A03**/MF **A01**

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PB92-164748/REB 92-01 PC **A03**/MF **A01**

PB92-164755/REB
Handbook of State Management Practices, July 1984.
PB92-164755/REB 92-01 PC **A08**/MF **A02**

PB92-164763/REB
Manual of Protective Action Guides and Protective Actions for Nuclear Incidents.
PB92-164763/REB 92-01 PC **A12**/MF **A03**

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PB92-164821/REB
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Stability and Transport of Inorganic Colloids through Contaminated Aquifer Material.
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Developmental Effects of Methyl Benzimidazolecarbamate Following Exposure during Early Pregnancy.
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PB92-164870/REB
Carcinogens and Human Health: Part 3. Letter to the Editor.
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Exposure of Humans to a Volatile Organic Mixture. 2. Sensory.
PB92-164888/REB 92-01 PC **A03**/MF **A01**

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DNA Strand Breaks Induced in Cultured Human and Rodent Cells by Chlorohydroxyfuranones, Mutagens Isolated from Drinking Water.
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Comparative Subchronic Toxicity Studies of Three Disinfectants.
PB92-164920/REB 92-01 PC **A03**/MF **A01**

PB92-164938/REB
Induction of Gastrointestinal Tract Nuclear Anomalies in B6C3F1 Mice by 3-Chloro-4-(Dichloromethyl)-5-Hydroxy-2(5H)-Furanone and 3,4-(Dichloro)-5-Hydroxy-2(5H)-Furanone, Mutagenic Byproducts of Chlorine Disinfection.
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Computer-Assisted Sperm Analysis of Rodent Epididymal Sperm Motility Using the Hamilton-Thorn Motility Analyzer.
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Reflex Modification and the Assessment of Sensory Dysfunction.
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Neurobehavioral Toxicology. Chapter 2.
PB92-166347/REB 92-01 PC **A03**/MF **A01**

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Preliminary Results of a Pesticide Leaching Study at Plains, Georgia.
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Application of MINTEQA2 to the Speciation of Contaminants at Globe, Arizona.
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Treating Soil Solution Samplers to Prevent Microbial Removal of Analytes.
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New Perspectives in Aquatic Redox Chemistry: Abiotic Transformations of Pollutants in Groundwater and Sediments.
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Expert Systems Show Promise for Customer Inquiries. Management and Operations.
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Evaluation of Gas Chromatography/Matrix Isolation Infrared Spectrometry for the Determination of Semivolatile Organic Compounds in Air Sample Extracts.
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Stability of Tropospheric OH during Ice Ages, Inter-Glacial Epochs and Modern Times.
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Sampling and Analysis of PCDDs and PCDFs in Stationary Source Emission Air Samples.
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PB92-166693/REB
Composition of Motor Vehicle Organic Emissions under Elevated Temperature Summer Driving Conditions (75 to 105 deg F).
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PB92-166701/REB
Polycyclic Aromatic Hydrocarbons and Their Derivatives in Indoor and Outdoor Air in an Eight-Home Study.
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PB92-166719/REB
Tedlar Bag Sampling System for Toxic Organic Compounds in Source Emission Sampling and Analysis.
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PB92-166727/REB
High-Volume Impactor for Sampling Fine and Coarse Particles.
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PB92-166735/REB
Microbial Degradation of Toluene under Sulfate-Reducing Conditions and the Influence of Iron on the Process.
PB92-166735/REB 92-01 PC **A02**/MF **A01**

PB92-166743/REB
Personnel Protection through Reconnaissance Robotics at Superfund Remedial Sites.
PB92-166743/REB 92-01 PC **A02**/MF **A01**

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Use of Four-Dimensional Data Assimilation in a Limited-Area Mesoscale Model Part 2: Effects of Data Assimilation within the Planetary Boundary Layer.
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PB92-166768/REB
Limited PCB Antagonism of TCDD-Induced Malformations in Mice.
PB92-166768/REB 92-01 PC **A02**/MF **A01**

PB92-166776/REB
Examination of the Anticonvulsant Properties of Voltage-Sensitive Calcium Channel Inhibitors in Amygdala Kindled Seizures.
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PB92-166784/REB
Advanced Emission Speciation Methodologies for the Auto/Oil Air Quality Improvement Research Program. 1. Hydrocarbons and Ethers.
PB92-166784/REB 92-01 PC **A03**/MF **A01**

PB92-166792/REB
QSARs for Predicting Biotic and Abiotic Reductive Transformation Rate Constants of Halogenated Hydrocarbons in Anoxic Sediment Systems.
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PB92-166800/REB
QSARs for Predicting Reductive Transformation Rate Constants of Halogenated Aromatic Hydrocarbons in Anoxic Sediment Systems.
PB92-166800/REB 92-01 PC **A03**/MF **A01**

PB92-166818/REB
Reductive Transformations of Halogenated Aromatic Hydrocarbons in Anaerobic Water-Sediment Systems: Kinetics, Mechanisms and Products.
PB92-166818/REB 92-01 PC **A03**/MF **A01**

PB92-166826/REB
Report of the EPA Peer Review Workshop on Alpha2U-Globulin: Association with Renal Toxicity and Neoplasia in the Male Rat. Held in Gaithersburg, MD. on November 13-14, 1990.
PB92-166826/REB 92-01 PC **A05**/MF **A01**

PB92-166834/REB
Health Assessment Document for Vermiculite.
PB92-166834/REB 92-01 PC **A03**/MF **A01**

PB92-166842/REB
General Methods for Remedial Operations Performance Evaluations.
PB92-166842/REB 92-01 PC **A03**/MF **A01**

PB92-166859/REB
Annual Risk Reduction Engineering Laboratory Research Symposium (18th) Abstract Proceedings. Held in Cincinnati, Ohio on April 14-16, 1992.
PB92-166859/REB 92-01 PC **A11**/MF **A03**

PB92-166867/REB
Bioaccumulation of Contaminants in Crabs and Clams in Bellingham Bay.
PB92-166867/REB 92-01 PC **A03**/MF **A01**

PB92-166875/REB
Sampling and Analysis Design for Development of Everett Harbor Action Program.
PB92-166875/REB 92-01 PC **A04**/MF **A01**

PB92-166883/REB
Beyond the Border: Environmental Management in Washington and British Columbia.
PB92-166883/REB 92-01 PC **A08**/MF **A02**

PB92-166891/REB
Neanthes Long-Term Exposure Experiment: Further Evaluation of the Relationship between Juvenile Growth and Reproductive Success.
PB92-166891/REB 92-01 PC **A03**/MF **A01**

PB92-166917/REB
Reference Area Performance Standards for Puget Sound.
PB92-166917/REB 92-01 PC **A08**/MF **A02**

PB92-166925/REB
Controlling Odorous Emissions from Iron Foundries.
PB92-166925/REB 92-01 PC **A03**/MF **A01**

PB92-166933/REB
Report of the Great Lakes Air Toxics Research Priorities Workshop. Held at Navarre, Minnesota on March 11-13, 1991.
PB92-166933/REB 92-01 PC **A03**/MF **A01**

PB92-166941/REB
Theoretical Evaluation of Stability of Volatile Organic Chemicals and Polar Volatile Organic Chemicals in Canisters.
PB92-166941/REB 92-01 PC **A03**/MF **A01**

PB92-166958/REB
Natural Basement Ventilation as a Radon Mitigation Technique.
PB92-166958/REB 92-01 PC **A03**/MF **A01**

PB92-166966/REB
Pilot-Scale Evaluation of the Thermal Stability POHC Incinerability Ranking.
PB92-166966/REB 92-01 PC **A11**/MF **A03**

PB92-168509/REB
Quality Assurance Project Plan for the National Pesticide Survey of Drinking Water Wells.
PB92-168509/REB 92-04 PC **A07**/MF **A02**

PB92-168517/REB
Quality Assurance Project Plan for the National Pesticide Survey of Drinking Water Wells: Analytical Method 1 - Nitro-

gen/Phosphorous Pesticides and Analytical Method 3 - Chlorinated Acid Herbicides.
PB92-168517/REB 92-04 PC **A12**/MF **A03**

PB92-168525/REB
Quality Assurance Plan for the National Pesticide Survey of Drinking Water Wells: Analytical Method 2 - Chlorinated Pesticides.
PB92-168525/REB 92-04 PC **A08**

PB92-168541/REB
Quality Assurance Project Plan for the National Pesticide Survey of Drinking Water Wells: Analytical Method 5 - Methyl Carbamates.
PB92-168541/REB 92-04 PC **A06**/MF **A02**

PB92-168558/REB
Quality Assurance Project Plan for the National Pesticide Survey of Drinking Water Wells: Analytical Method 6.
PB92-168558/REB 92-04 PC **A07**/MF **A02**

PB92-168566/REB
Quality Assurance Project Plan for the National Pesticide Survey of Drinking Water Wells: Analytical Method 7 - Fumigants.
PB92-168566/REB 92-04 PC **A06**/MF **A02**

PB92-168574/REB
Quality Assurance Project Plan for the National Pesticide Survey of Drinking Water Wells: Analytical Method 9 - Nitrate and Nitrite.
PB92-168574/REB 92-04 PC **A05**/MF **A01**

PB92-168582/REB
Quality Assurance Project Plan for the National Pesticide Survey of Drinking Water Wells Referee Analyses for Analytical Method 2 - Organochlorine Pesticides, Analytical Method 4 - Carbamates, Method 5 - Methylcarbamates, Method 7 - Fumigants, and Method 9 - Nitrate/Nitrite.
PB92-168582/REB 92-04 PC **A11**/MF **A03**

PB92-168590/REB
Quality Assurance Project Plan for the National Pesticide Survey of Drinking Water Wells: Analytical Method 1.
PB92-168590/REB 92-04 PC **A08**/MF **A02**

PB92-168608/REB
Quality Assurance Project Plan for the National Pesticide Survey of Drinking Water Wells: Analytical Method 3.
PB92-168608/REB 92-04 PC **A09**/MF **A02**

PB92-168616/REB
Quality Assurance Project Plan for the National Pesticide Survey of Drinking Water Wells: Analytical Method 6 - Ethylene Thiourea.
PB92-168616/REB 92-04 PC **A07**/MF **A02**

PB92-168624/REB
Quality Assurance Project Plan for the National Pesticide Survey of Drinking Water Wells: Hydrogeologic Characterization and Second-Stage Stratification Activities.
PB92-168624/REB 92-04 PC **A08**/MF **A02**

PB92-168632/REB
Quality Assurance Project Plan for the National Survey of Pesticides in Drinking Water Wells: Well Sampling, Data Collection and Processing.
PB92-168632/REB 92-04 PC **A07**/MF **A02**

PB92-168640/REB
Quality Assurance Project Plan for the National Pesticide Survey of Drinking Water Wells: Survey Statistics, Data Collection and Processing.
PB92-168640/REB 92-04 PC **A04**/MF **A01**

PB92-169044/REB
Guide for Conducting Treatability Studies under CERCLA: Chemical Dehalogenation.
PB92-169044/REB 92-04 PC **A05**/MF **A01**

PB92-169275/REB
Chemical Dehalogenation Treatability Studies under CERCLA: An Overview.
PB92-169275/REB 92-04 PC **A02**/MF **A01**

PB92-169358/REB
GIS Technical Memorandum 3: Global Positioning Systems Technology and Its Application in Environmental Programs.
PB92-169358/REB 92-01 PC **A04**/MF **A01**

PB92-169382/REB
Study to Determine the Feasibility of Using a Ground-Penetrating Radar for More Effective Remediation of Subsurface Contamination.
PB92-169382/REB 92-04 PC **A06**/MF **A02**

PB92-169390/REB
Proceedings on the National United States Environmental Protection Agency Conference on Household Hazardous Waste Management (6th). Held in Seattle, Washington on December 3-7, 1991.
PB92-169390/REB 92-01 PC **A99**/MF **E08**

PB92-169473/REB
National Radon Measurement Proficiency Program: Individual Proficiency Report.
PB92-169473/REB 92-04 PC **A06**/MF **A02**

PB92-169523/REB
EPCRA Section 313 Roadmaps Database. User's Manual. (Version 2.2) (for Microcomputers).
PB92-169523/REB 92-01 PC **A05**/MF **A01**

PB92-169564/REB
Organic Contract Compliance Screening System. Software for the PC (OLM01.8 Version 2) (User Manual).
PB92-169564/REB 92-04 PC **A06**/MF **A02**

PB92-169614/REB
ESP VI 4.0 Electrostatic Precipitator VI and Performance Prediction Model.
PB92-169614/REB 92-04 PC **A05**/MF **A01**

PB92-169630/REB
Fish Communities in Lakes in Subregion 2B (Upper Peninsula of Michigan) in Relation to Lake Acidity. Volume 1 and Volume 2: Appendices. Data Tape Documentation.
PB92-169630/REB 92-04 PC **A11**/MF **A03**

PB92-169655/REB
Statistical Approach to Predicting Chronic Toxicity of Chemicals to Fishes from Acute Toxicity Test Data. Data Tape Documentation.
PB92-169655/REB 92-04 PC **A06**/MF **A02**

PB92-170166/REB
Air Pollution Effects on Biodiversity.
PB92-170166/REB 92-01 PC **A15**/MF **A03**

PB92-170174/REB
Research Strategy for Electric and Magnetic Fields: Research Needs and Priorities.
PB92-170174/REB 92-01 PC **A04**/MF **A01**

PB92-170190/REB
Superfund Innovative Technology Evaluation Program Demonstration Plan for Westinghouse Bio-Analytic Systems Pentachlorophenol Immunoassays.
PB92-170190/REB 92-01 PC **A08**/MF **A02**

PB92-170562/REB
Evaluation of the Chemical Resistance of Geotextiles, Geonet and Pipe.
PB92-170562/REB 92-01 PC **A05**/MF **A01**

PB92-170570/REB
Guide for Conducting Treatability Studies under CERCLA: Soil Washing. Interim Guidance.
PB92-170570/REB 92-01 PC **A03**/MF **A01**

PB92-170588/REB
Guide for Conducting Treatability Studies under CERCLA: Soil Washing: Quick Reference Fact Sheet.
PB92-170588/REB 92-01 PC **A02**/MF **A01**

PB92-171370
14C Source Apportionment Technique Applied to Wintertime Urban Aerosols and Gases for the EPA Integrated Air Cancer Project.
PB92-171370 92-01 Not available NTIS

PB92-171909/REB
Air/Superfund National Technical Guidance Study Series. Guideline for Predictive Baseline Emissions Estimation Procedures for Superfund Sites.
PB92-171909/REB 92-01 PC **A03**/MF **A01**

PB92-171917/REB
Air Superfund National Technical Guidance Study Series. Screening Procedures for Estimating the Air Impacts of Incineration at Superfund Sites.
PB92-171917/REB 92-01 PC **A04**/MF **A01**

PB92-171925/REB
Air Superfund National Technical Guidance Study Series. Estimation of Air Impacts for the Excavation of Contaminated Soil.
PB92-171925/REB 92-01 PC **A04**/MF **A01**

PB92-171958/REB
RED Facts: Sodium and Calcium Hypochlorite Salts.
PB92-171958/REB 92-01 PC **A02**/MF **A01**

PB92-171966/REB
Status of Selected Air Pollution Control Programs, February 1992.
PB92-171966/REB 92-01 PC **A09**/MF **A02**

PB92-173210/REB
Innovative Treatment Technologies: Semi-Annual Status Report. (Third Edition).
PB92-173210/REB 92-01 PC **A05**/MF **A01**

PB92-173293/REB
Drinking Water Criteria Document for Antimony.
PB92-173293/REB 92-01 PC **A05**/MF **A01**

PB92-173301/REB
Drinking Water Criteria Document for Beryllium.
PB92-173301/REB 92-01 PC **A08**/MF **A02**

PB92-173319/REB
Drinking Water Criteria Document for Cyanide.
PB92-173319/REB 92-01 PC **A08**/MF **A02**

PB92-173327/REB
Drinking Water Criteria Document for Dalapon.
PB92-173327/REB 92-01 PC **A04**/MF **A01**

PB92-173335/REB
Quantification of Toxicological Effects for Dichloromethane.
PB92-173335/REB 92-01 PC **A03**/MF **A01**

PB92-173343/REB
Drinking Water Criteria Document for Di(2-Ethylhexyl) Adipate.
PB92-173343/REB 92-01 PC **A05**/MF **A01**

PB92-173350/REB
Drinking Water Criteria Document for Dinoseb.
PB92-173350/REB 92-01 PC **A05**/MF **A01**

PB92-173368/REB
Drinking Water Criteria Document for Diquat.
PB92-173368/REB 92-01 PC **A05**/MF **A01**

PB92-173376/REB
Drinking Water Criteria Document for Endothall.
PB92-173376/REB 92-01 PC **A05**/MF **A01**

PB92-173384/REB
Drinking Water Criteria Document for Endrin.
PB92-173384/REB 92-01 PC **A10**/MF **A03**

PB92-173392/REB
Drinking Water Criteria Document for Glyphosate.
PB92-173392/REB 92-01 PC **A03**/MF **A01**

PB92-173400/REB
Drinking Water Criteria Document for Hexachlorobenzene.
PB92-173400/REB 92-01 PC **A10**/MF **A03**

PB92-173418/REB
Drinking Water Criteria Document for Hexachlorocyclopentadiene.
PB92-173418/REB 92-01 PC **A06**/MF **A02**

PB92-173426/REB
Drinking Water Quantification of Toxicologic Effects for Nickel.
PB92-173426/REB 92-01 PC **A05**/MF **A01**

PB92-173434/REB
Drinking Water Criteria Document for Oxamyl (VYDATE).
PB92-173434/REB 92-01 PC **A05**/MF **A01**

PB92-173442/REB
Drinking Water Criteria Document for Phthalic Acid Esters (PAES).
PB92-173442/REB 92-01 PC **A14**/MF **A03**

PB92-173459/REB
Drinking Water Criteria Document for Polycyclic Aromatic Hydrocarbons (PAHs).
PB92-173459/REB 92-01 PC **A20**/MF **A04**

PB92-173467/REB
Drinking Water Criteria Document for Picloram.
PB92-173467/REB 92-01 PC **A04**/MF **A01**

PB92-173475/REB
Drinking Water Criteria Document for Simazine.
PB92-173475/REB 92-01 PC **A05**/MF **A02**

PB92-173483/REB
Drinking Water Criteria Document for Thallium.
PB92-173483/REB 92-01 PC **A06**/MF **A02**

PB92-173491/REB
Drinking Water Criteria Document for Trichlorobenzenes.
PB92-173491/REB 92-01 PC **A05**/MF **A01**

PB92-173509/REB
Drinking Water Criteria Document for 1,1,2-Trichloroethane.
PB92-173509/REB 92-01 PC **A05**/MF **A01**

PB92-173525/REB
Cost-Effectiveness Analysis of Proposed Effluent Limitations Guidelines and Standards for the Pesticide Manufacturing Industry.
PB92-173525/REB 92-01 PC **A03**/MF **A01**

PB92-173533/REB
Economic Impact Analysis of Proposed Effluent Limitations Guidelines and Standards for the Pesticide Manufacturing Industry.
PB92-173533/REB 92-01 PC **A15**/MF **A03**

PB92-173541/REB
Development Document for Best Available Technology, Pretreatment Technology, and New Source Performance Technology for the Pesticide Chemical Industry. Proposed. (Pesticide Chemicals Manufacturing Category Effluent Limitations Guidelines, Pretreatment Standards, and New Source Performance Standards).
PB92-173541/REB 92-01 PC **A21**/MF **A04**

PB92-173566/REB
Transportation Control Measure Information Documents.
PB92-173566/REB 92-01 PC **A19**/MF **A04**

PB92-173780/REB
Potential Reuse of Petroleum-Contaminated Soil: A Directory of Permitted Recycling Facilities.
PB92-173780/REB 92-04 PC **A03**/MF **A01**

PB92-174051/REB
Radon Reduction and Radon-Resistant Construction Demonstrations in New York State.
PB92-174051/REB 92-01 PC **A20**/MF **A04**

PB92-174317/REB
Reactive Transport of Suspended Particles: Mechanisms and Modeling.
PB92-174317/REB 92-01 PC **A13**/MF **A03**

PB92-174408/REB
Cape Cod Waste Water Renovation and Retrieval System, a Study of Water Treatment and Conservation First Year of Operation.
PB92-174408/REB 92-01 PC **A10**/MF **A03**

PB92-174655/REB
Proceedings: 1989 International Conference on Municipal Waste Combustion. Held in Hollywood, Florida, on April 11-14, 1989.
PB92-174655/REB 92-01 PC **E99**/MF **E99**

PB92-174663/REB
Proceedings: 1989 International Conference on Municipal Waste Combustion. Volume 1. Sessions 0, 1, 2, and 3. Held in Hollywood, Florida, on April 11-14, 1989.
PB92-174663/REB 92-01 PC **A19**/MF **A04**

PB92-174671/REB
Proceedings: 1989 International Conference on Municipal Waste Combustion. Volume 2. Sessions 4, 5, and 6. Held in Hollywood, Florida on April 11-14, 1989.
PB92-174671/REB 92-01 PC **A19**/MF **A04**

PB92-174689/REB
Proceedings: 1989 International Conference on Municipal Waste Combustion. Volume 3. Sessions 7 and 8. Held in Hollywood, Florida, on April 11-14, 1989.
PB92-174689/REB 92-01 PC **A19**/MF **A04**

PB92-174697/REB
Proceedings: 1989 International Conference on Municipal Waste Combustion. Volume 4. Sessions 9, 10, 11, and 12. Held in Hollywood, Florida on April 11-14, 1989.
PB92-174697/REB 92-01 PC **A21**/MF **A04**

PB92-174721/REB
National Home and Garden Pesticide Use Survey.
PB92-174721/REB 92-01 PC **E99**/MF **E99**

PB92-174739/REB
National Home and Garden Pesticide Use Survey Final Report. Executive Summary.
PB92-174739/REB 92-01 PC **A03**/MF **A01**

PB92-174747/REB
National Home and Garden Pesticide Use Survey. Final Report. Volume 1. Executive Summary, Results, and Recommendations.
PB92-174747/REB 92-01 PC **A16**/MF **A03**

PB92-174754/REB
National Home and Garden Pesticide Use Survey. Final Report. Volume 2. Survey Design, Implementation, and Analysis Methods.
PB92-174754/REB 92-01 PC **A07**/MF **A02**

PB92-176221/REB
Procedures for Establishing Emissions for Early Reduction Compliance Extensions. Volume 1. Synthetic Organic Chemical Manufacturing, Ethylene Oxide Sterilization, and Chromium Electroplating.
PB92-176221/REB 92-01 PC **A05**/MF **A01**

PB92-176353/REB
Air Quality Criteria for Oxides of Nitrogen.
PB92-176353/REB 92-01 PC **E99**/MF **E99**

PB92-176361/REB
Air Quality Criteria for Oxides of Nitrogen. Volume 1.
PB92-176361/REB 92-01 PC **A20**/MF **A04**

PB92-176379/REB
Air Quality Criteria for Oxides of Nitrogen. Volume 2.
PB92-176379/REB 92-01 PC **A99**/MF **A06**

PB92-176387/REB
Air Quality Criteria for Oxides of Nitrogen. Volume 3.
PB92-176387/REB 92-01 PC **A23**/MF **A04**

PB92-178227/REB
Catalogue and Directory of New England States and Regional GIS Organizations and Activities, and an Assessment of Their Future GIS Needs.
PB92-178227/REB 92-01 PC **A13**/MF **A03**

PB92-178938/REB
Dense Nonaqueous Phase Liquids: A Workshop Summary. Held in Dallas, Texas on April 16-18, 1991.
PB92-178938/REB 92-01 PC **A05**/MF **A01**

PB92-178946/REB
Wetlands Research Plan FY92-96: An Integrated Risk-Based Approach.
PB92-178946/REB 92-01 PC **A07**/MF **A02**

PB92-178953/REB
Pilot-Scale Incineration of PCB-Contaminated Sediments from the New Bedford Harbor Hot Spot Superfund Site.
PB92-178953/REB 92-01 PC **A09**/MF **A03**

PB92-178961/REB
User's Guide and Data Dictionary for Kenai Lakes Investigation Project.
PB92-178961/REB 92-01 PC **A03**/MF **A01**

PB92-178979/REB
Evaluation of VOST and SemiVOST Methods for Halogenated Compounds in the Clean Air Act Amendments Title III, Bench and Laboratory Studies.
PB92-178979/REB 92-01 PC **A03**/MF **A01**

PB92-178987/REB
Statistical Issues in Environmental Monitoring and Assessment.
PB92-178987/REB 92-01 PC **A03**/MF **A01**

PB92-178995/REB
Kinetic Properties of Malic Dehydrogenase from Three Cultivars of Rice.
PB92-178995/REB 92-01 PC **A03**/MF **A01**

PB92-179001/REB
Innovative Treatment Technologies: Overview and Guide to Information Sources.
PB92-179001/REB 92-01 PC **A20**/MF **A04**

PB92-179019/REB
Reductive Dechlorination of Trichloroethylene in Anoxic Aquifer Material from Picatinny Arsenal, New Jersey.
PB92-179019/REB 92-01 PC **A02**/MF **A01**

PB92-179027/REB
Pollution Impacts at the Stand and Ecosystem Levels.
PB92-179027/REB 92-01 PC **A03**/MF **A01**

PB92-179035/REB
Methods Used in Determination of Cholinesterase Activity.
PB92-179035/REB 92-01 PC **A03**/MF **A01**

PB92-179043/REB
Incineration Data on Arsenic and Lead Emissions.
PB92-179043/REB 92-01 PC **A03**/MF **A01**

PB92-179050/REB
Column Studies on BTEX Biodegradation under Microaerophilic and Denitrifying Conditions.
PB92-179050/REB 92-01 PC **A03**/MF **A01**

PB92-179068/REB
Monitoring of the Estrous Cycle in the Laboratory Rodent by Vaginal Lavage.
PB92-179068/REB 92-01 PC **A03**/MF **A01**

PB92-179076/REB
Measuring Sexual Behavior in the Female Rat.
PB92-179076/REB 92-01 PC **A03**/MF **A01**

PB92-179084/REB
Collection of Interstitial Fluid and Seminiferous Tubule Fluid from the Rat Testis.
PB92-179084/REB 92-01 PC **A03**/MF **A01**

PB92-179092/REB
Distribution, Speciation, and Transformation of Chromium in Contaminated Soils and Aquifer Sediments.
PB92-179092/REB 92-01 PC **A02**/MF **A01**

PB92-179100/REB
Biotransformation of CIS-1,2-Dichloroethylene in Aquifer Material from Picatinny Arsenal, Morris County, New Jersey.
PB92-179100/REB 92-01 PC **A03**/MF **A01**

PB92-179118/REB
Modeling Contaminant Transport through Subsurface Systems.
PB92-179118/REB 92-01 PC **A03**/MF **A01**

PB92-179126/REB
Spatial Variability of Geochemical and Hydrologic Properties of Subsurface Materials in a Sand and Gravel Aquifer, Cape Cod, Massachusetts.
PB92-179126/REB 92-01 PC **A02**/MF **A01**

PB92-179134/REB
Effect of the Geochemical Environment on Heavy-Metal Transport in Ground Water.
PB92-179134/REB 92-01 PC **A03**/MF **A01**

PB92-179142/REB
Toxicity of Ammonia, Nitrite, and Nitrate to Fishes.
PB92-179142/REB 92-01 PC **A03**/MF **A01**

PB92-179159/REB
Use of Pilot Columns for Predicting Full-Scale GAC Performance.
PB92-179159/REB 92-01 PC **A03**/MF **A01**

PB92-179670/REB
Demonstration of Waste Treatment Technologies.
PB92-179670/REB 92-01 PC **A02**/MF **A01**

PB92-179688/REB
U.S. Environmental Protection Agency Research Program on the Environmental Impacts and Control of Highway Deicing Salt Pollution.
PB92-179688/REB 92-01 PC **A03**/MF **A01**

PB92-179696/REB
Compliance Concerns with the New Coliform Regulation.
PB92-179696/REB 92-01 PC **A02**/MF **A01**

PB92-179704/REB
Opportunistic Organisms and the Water Supply Connection.
PB92-179704/REB 92-01 PC **A03**/MF **A01**

PB92-179712/REB
Comparison of Methods for Determination of Dissolved Inorganic Carbon (DIC).
PB92-179712/REB 92-01 PC **A03**/MF **A01**

PB92-179720/REB
Comprehensive Evaluation of a Field Test Kit for Lead.
PB92-179720/REB 92-01 PC **A03**/MF **A01**

PB92-179738/REB
Abiotic Transformation of Carbon Tetrachloride in the Presence of Sulfide and Mineral Surfaces.
PB92-179738/REB 92-01 PC **A02**/MF **A01**

PB92-179746/REB
Vapor Pressures, Liquid Molar Volumes, Vapor Non-Idealities, and Critical Properties of Some Fluorinated Ethers: CF3OCF2OCF3, CF3OCF2CF2H, c-CF2CF2CF2O, CF3OCF2H, and CF3OCH3; and of CCl3F and CF2ClH.
PB92-179746/REB 92-01 PC **A03**/MF **A01**

PB92-179753/REB
Humic Substances and Contaminant Transport: A Review.
PB92-179753/REB 92-01 PC **A02**/MF **A01**

PB92-179761/REB
Combined Sewer Overflow: Balancing Flow for CSO Abatement.
PB92-179761/REB 92-01 PC **A02**/MF **A01**

PB92-179779/REB
Neuroendocrine Responses to Social Regulation of Puberty in the Female House Mouse.
PB92-179779/REB 92-01 PC **A03**/MF **A01**

PB92-179787/REB
Applications of a Neurobehavioral Screening Battery.
PB92-179787/REB 92-01 PC **A03**/MF **A01**

PB92-179795/REB
Epoxide Ring Opening and Related Reactivities of Cyclopenta Polycyclic Aromatic Hydrocarbons: Quantum Mechanical Studies.
PB92-179795/REB 92-01 PC **A02**/MF **A01**

PB92-179803/REB
Remediation of Leaking USTs: A System for Accessing Case Histories and Related Documents.
PB92-179803/REB 92-01 PC **A02**/MF **A01**

PB92-179811/REB
Sorption of Heavy Metals by the Soil Fungi 'Aspergillus niger' and Mucor rouxii.
PB92-179811/REB 92-01 PC **A02**/MF **A01**

PB92-179829/REB
Modelling Individuals Employing an Integrated Energy Response: Application to 'Daphnia'.
PB92-179829/REB 92-01 PC **A03**/MF **A01**

PB92-179837/REB
Spectroscopic Study of Surface Redox Reactions With Manganese Oxides.
PB92-179837/REB 92-01 PC **A02**/MF **A01**

PB92-179845/REB
Behavior of Arsenic in a Rotary Kiln Incinerator (Journal Version).
PB92-179845/REB 92-01 PC **A02**/MF **A01**

PB92-179852/REB
Visions of the Future in Drinking Water Microbiology.
PB92-179852/REB 92-01 PC **A02**/MF **A01**

PB92-179860/REB
Underground Storage Tanks on Indian Lands. Education Moderates: An Environmental Treat.
PB92-179860/REB 92-01 PC **A02**/MF **A01**

PB92-179878/REB
U.S. EPA's Research on Life-Cycle Analysis.
PB92-179878/REB 92-01 PC **A01**/MF **A01**

PB92-179886/REB
Chemical Substitution for 1,1,1,-Trichloroethane and Methanol in an Industrial Cleaning Operation.
PB92-179886/REB 92-01 PC **A03**/MF **A01**

PB92-179894/REB
Capsule Report: Particulate Control by Fabric Filtration on Coal-Fired Industrial Boilers.
PB92-179894/REB 92-01 PC **A03**/MF **A01**

PB92-179902/REB
Capsule Report: Bahco Flue Gas Desulfurization and Particulate Removal System.
PB92-179902/REB 92-01 PC **A03**/MF **A01**

PB92-179910/REB
Capsule Report: First Progress Report. Physical Coal-Cleaning Demonstration at Homer City, Pennsylvania.
PB92-179910/REB 92-01 PC **A03**/MF **A01**

PB92-179928/REB
Capsule Report: Acostic Monitoring to Determine the Integrity of Hazardous Waste Dams.
PB92-179928/REB 92-01 PC **A03**/MF **A01**

PB92-179936/REB
Capsule Report: Disposal of Flue Gas Desulfurization Wastes. Shawnee Field Evaluation.
PB92-179936/REB 92-01 PC **A03**/MF **A01**

PB92-179944/REB
Capsule Report: Adipic Acid-Enhanced Lime/Limestone Test Results at the EPA Alkali Scrubbing Test Facility.
PB92-179944/REB 92-01 PC **A03**/MF **A01**

PB92-179993/REB
Capsule Report: Benefits of Microprocessor Control of Curing Ovens for Solvent-Based Coatings.
PB92-179993/REB 92-01 PC **A03**/MF **A01**

PB92-180009/REB
Guideline Series: Control of Volatile Organic Compound Emissions from Reactor Processes and Distillation Operations Processes in the Synthetic Organic Chemical Manufacturing Industry.
PB92-180009/REB 92-01 PC **A09**/MF **A03**

PB92-180017/REB
Alternative Control Techniques Document: For PM-10 Emissions from Ferrous Foundries.
PB92-180017/REB 92-01 PC **A07**/MF **A02**

PB92-180025/REB
In situ Soil Flushing. Engineering Bulletin.
PB92-180025/REB 92-01 PC **A02**/MF **A01**

PB92-180033/REB
Air Stripping of Aqueous Solutions. Engineering Bulletin.
PB92-180033/REB 92-01 PC **A02**/MF **A01**

PB92-180041/REB
Control of Air Emissions from Materials Handling during Remediation. Engineering Bulletin.
PB92-180041/REB 92-01 PC **A02**/MF **A01**

PB92-180058/REB
Granular Activated Carbon Treatment. Engineering Bulletin.
PB92-180058/REB 92-01 PC **A02**/MF **A01**

PB92-180066/REB
Chemical Oxidation Treatment. Engineering Bulletin.
PB92-180066/REB 92-01 PC **A02**/MF **A01**

PB92-180074/REB
Chemical Enhancements to Pump-and-Treat Remediation. Ground Water Issue.
PB92-180074/REB 92-01 PC **A03**/MF **A01**

PB92-180082/REB
NEXRAD Precipitation Information Application Forum Climate and Global Change.
PB92-180082/REB 92-01 PC **A03**/MF **A01**

PB92-180090/REB
Abstracts of Selected Precious Metal Mines' Permits.
PB92-180090/REB 92-01 PC **A21**/MF **A04**

PB92-180108/REB
Directory of Mine Waste Characterization and Drainage Quality Contacts in Western Governors' Association Member States.
PB92-180108/REB 92-01 PC **A06**/MF **A02**

PB92-180116/REB
Reregistration Eligibiligy Document (RED): Sodium and Calcium Hypochlorites.
PB92-180116/REB 92-01 PC **A04**/MF **A01**

PB92-180124/REB
Questions and Answers about the Early Reductions Program.
PB92-180124/REB 92-01 PC **A04**/MF **A01**

PB92-180132/REB
Enabling Document for Regulations Governing Compliance Extensions for Early Reductions of Hazardous Air Pollutants.
PB92-180132/REB 92-01 PC **A07**/MF **A02**

PB92-180157/REB
Chlorinated Dioxins and Furans in the General U.S. Population: NHATS FY87 Results.
PB92-180157/REB 92-01 PC **A12**/MF **A03**

PB92-180165/REB
Pollution Prevention Case Studies Compendium.
PB92-180165/REB 92-01 PC **A06**/MF **A02**

PB92-180173/REB
Asia Pacific Cleaner Production Conference: Cooperative Approaches in Minimising Hazardous Wastes. Held in Melbourne, Australia on February 24-27, 1992.
PB92-180173/REB 92-01 PC **A02**/MF **A01**

PB92-180181/REB
Asia Pacific Cleaner Production Conference: International Legislative Trends. Held in Melbourne, Australia on February 24-27, 1992.
PB92-180181/REB 92-01 PC **A02**/MF **A01**

PB92-180199/REB
Application of Modified Aluminon and GFAAS Methods to Beryllium Determination in Drinking Water.
PB92-180199/REB 92-01 PC **A02**/MF **A01**

PB92-180207/REB
Fuzzy Logic Control of AC Induction Motors.
PB92-180207/REB 92-01 PC **A02**/MF **A01**

PB92-180215/REB
U.S. EPA's Global Climate Change Program: Landfill Emissions and Mitigation Research.
PB92-180215/REB 92-01 PC **A03**/MF **A01**

PB92-180223/REB
Potential Impacts of Increased Solar UV-B on Global Plant Productivity.
PB92-180223/REB 92-01 PC **A03**/MF **A01**

PB92-180231/REB
Methods of Assessing Responses of Trees, Stands and Ecosystems to Air Pollution (Chapter 7).
PB92-180231/REB 92-01 PC **A04**/MF **A01**

PB92-180249/REB
What Is the Potential of Forest Management to Slow the Increase of Atmospheric CO2.
PB92-180249/REB 92-01 PC **A03**/MF **A01**

PB92-180256/REB
NATO Workshop on the Atmospheric Methane Cycle, Held in Mt. Hood, Oregon on October 6-11, 1991. Working Group Report on Methane Sources and Sinks.
PB92-180256/REB 92-01 PC **A03**/MF **A01**

PB92-180264/REB
Improvement of Performance of Variable Probability Sampling Strategies.
PB92-180264/REB 92-01 PC **A02**/MF **A01**

PB92-180272/REB
Probability Sampling and Population Inference in Monitoring Programs.
PB92-180272/REB 92-01 PC **A03**/MF **A01**

PB92-180280/REB
Ozonation/Post-Chlorination of Humic Acid: A Model for Predicting Drinking Water Disinfection By-Products.
PB92-180280/REB 92-01 PC **A03**/MF **A01**

PB92-180298/REB
Radon Prevention in the Design and Construction of Schools and other Large Buildings.
PB92-180298/REB 92-01 PC **A01**/MF **A01**

PB92-180306/REB
Serological Cross-Reactions between 'Escherichia coli' O157 and other Species of the Genus 'Escherichia'.
PB92-180306/REB 92-01 PC **A01**/MF **A01**

PB92-180314/REB
Effects of Sampling Design Parameters on Block Selection.
PB92-180314/REB 92-01 PC **A02**/MF **A01**

PB92-180322/REB
Modification of an Index of Biotic Integrity Based on Fish Assemblages to Characterize Rivers of the Seine Basin, France.
PB92-180322/REB 92-01 PC **A03**/MF **A01**

PB92-180330/REB
Formation of Transconjugants on Plating Media Following 'In situ' Conjugation Experiments.
PB92-180330/REB 92-01 PC **A02**/MF **A01**

PB92-180348/REB
Oregon, USA, Ecological Regions and Subregions for Water Quality Management.
PB92-180348/REB 92-01 PC **A03**/MF **A01**

PB92-180355/REB
Effects of Open-Top Chambers on 'Valencia' Orange Trees.
PB92-180355/REB 92-01 PC **A02**/MF **A01**

PB92-180363/REB
Teratogenesis, Toxicity, and Bioconcentration in Frogs Exposed to Dieldrin.
PB92-180363/REB 92-01 PC **A03**/MF **A01**

PB92-180371/REB
How Much Acidification Has Occurred in Adirondack Region Lakes (New York, USA) since Preindustrial Times.
PB92-180371/REB 92-01 PC **A03**/MF **A01**

PB92-180389/REB
Cloning and Expression of a Lignin Peroxidase Gene from 'Streptomyces viridosporus' in 'Streptomyces lividans'.
PB92-180389/REB 92-01 PC **A03**/MF **A01**

PB92-180397/REB
Diatoms: Powerful Indicators of Environmental Change.
PB92-180397/REB 92-01 PC **A03**/MF **A01**

PB92-180405/REB
Assessing Trends in Fishery Resources and Lake Water Aluminum from Paleolimnological Analyses of Siliceous Algae.
PB92-180405/REB 92-01 PC **A03**/MF **A01**

PB92-180868/REB
Development of a Core Combustion Research Program Plan for EPA.
PB92-180868/REB 92-01 PC **A03**/MF **A01**

PB92-182344/REB
Respiratory Health Effects of Passive Smoking: Lung Cancer and Other Disorders.
PB92-182344/REB 92-04 PC **A24**/MF **A04**

PB92-182518/REB
Update Package for RCRA Permit Policy Compendium (Assorted Volumes).
PB92-182518/REB 92-04 PC **E99**

PB92-182781/REB
Application for Certification 1992 Model Year Light-Duty Vehicles.
PB92-182781/REB 92-04 PC **E99**/MF **E99**

PB92-182799/REB
Application for Certification 1991 Model Year Light-Duty Vehicles - SportsCar America, PUMA Division Inc.
PB92-182799/REB 92-04 PC **A03**/MF **A01**

PB92-182807/REB
Application for Certification 1992 Model Year Light-Duty Vehicles - BMW of North America, Inc.
PB92-182807/REB 92-04 PC **A99**/MF **E11**

PB92-182815/REB
Application for Certification 1993 Model Year Light-Duty Vehicles - Fiat Auto R and D U.S.A.
PB92-182815/REB 92-04 PC **A14**/MF **A03**

PB92-182823/REB
Application for Certification 1993 Model Year Light-Duty Trucks - Grumman Olson.
PB92-182823/REB 92-04 PC **A07**/MF **A02**

PB92-182831/REB
Application for Certification 1992 Model Year Light-Duty Vehicles - Lotus Cars, Ltd.
PB92-182831/REB 92-04 PC **A99**/MF **E08**

PB92-182849/REB
Application for Certification 1992 Model Year Light-Duty Vehicles - Infiniti, Nissan Motors Co., Ltd.
PB92-182849/REB 92-04 PC **A25**/MF **A06**

PB92-182856/REB
Application for Certification 1992 Model Year Light-Duty Vehicles - Maxima, Nissan Motors Co., Ltd.
PB92-182856/REB 92-04 PC **A25**/MF **A06**

PB92-182864/REB
Application for Certification 1992 Model Year Light-Duty Vehicles - Stanza, Nissan Motors Co., Ltd.
PB92-182864/REB 92-04 PC **A99**/MF **A06**

PB92-182872/REB
Application for Certification 1992 Model Year Light-Duty Trucks - Nissan Motors Co., Ltd.
PB92-182872/REB 92-04 PC **A17**/MF **A04**

PB92-182880/REB
Application for Certification 1992 Model Year Light-Duty Vehicles - Porsche.
PB92-182880/REB 92-04 PC **A99**/MF **A06**

PB92-182898/REB
Application for Certification 1992 Model Year Light-Duty Vehicles - Saab Cars USA, Inc.
PB92-182898/REB 92-04 PC **A19**/MF **A04**

PB92-182906/REB
Application for Certification 1993 Model Year Light-Duty Vehicles - Toyota Technical Center, U.S.A. Inc.
PB92-182906/REB 92-04 PC **A09**/MF **A03**

PB92-182914/REB
Application for Certification 1992 Model Year Heavy-Duty Vehicles.
PB92-182914/REB 92-04 PC **E99**/MF **E99**

PB92-182922/REB
Application for Certification 1992 Model Year Heavy-Duty Diesel Engines - Caterpillar.
PB92-182922/REB 92-04 PC **A18**/MF **A04**

PB92-182930/REB
Application for Certification 1992 Model Year Heavy-Duty Diesel Vehicles - Cummins Engine Company, Inc.
PB92-182930/REB 92-04 PC **A21**/MF **A04**

PB92-182948/REB
Application for Certification 1992 Model Year Heavy-Duty Diesel Engines - Detroit Diesel Corporation.
PB92-182948/REB 92-04 PC **A10**/MF **A03**

PB92-182955/REB
Application for Certification 1992 Model Year Heavy-Duty Diesel Vehicles - Hino Motors, Ltd.
PB92-182955/REB 92-04 PC **A07**/MF **A02**

PB92-182963/REB
Application for Certification 1992 Model Year Heavy-Duty Vehicles - Mack Trucks.
PB92-182963/REB 92-04 PC **A12**/MF **A03**

PB92-182971/REB
Application for Certification 1992 Model Year Heavy-Duty Vehicles - Navistar International Corporation.
PB92-182971/REB 92-04 PC **A05**/MF **A01**

PB92-182989/REB
Application for Certification 1992 Model Year Heavy-Duty Vehicles - Winnebago Industries, Inc.
PB92-182989/REB 92-04 PC **A05**/MF **A01**

PB92-182997/REB
Application for Certification 1993 Model Year Heavy-Duty Vehicles - Winnebago Industries, Inc.
PB92-182997/REB 92-04 PC **A03**/MF **A01**

PB92-183201/REB
Background Document for the Liquid Release Test: Single Laboratory Evaluation and 1988 Collaborative Study.
PB92-183201/REB 92-04 PC **A06**/MF **A02**

PB92-183235/REB
Emergency Exemptions under Section 18 of the Federal Insecticide Fungicide and Rodenticide Act. 1. Guidance for State and Federal Agencies.
PB92-183235/REB 92-04 PC **A03**/MF **A01**

PB92-183243/REB
Emergency Exemptions under Section 18 of the Federal Insecticide Fungicide and Rodenticide Act. 2. Instructions for Submission of Emergency Exemption Applications.
PB92-183243/REB 92-04 PC **A03**/MF **A01**

PB92-183284/REB
Superfund Record of Decision (EPA Region 1): Western Sand and Gravel, RI. (Second Remedial Action), September 1985.
PB92-183284/REB 92-04 PC **A04**/MF **A01**

PB92-184969/REB
Leaking Underground Storage Tanks and Health: Understanding Health Risks from Petroleum Contamination.
PB92-184969/REB 92-01 PC **A03**/MF **A01**

PB92-184977/REB
Oil and Gas Field Emissions Survey.
PB92-184977/REB 92-01 PC **A14**/MF **A03**

PB92-184985/REB
Potential Impacts of Climate Change on Pacific Northwest Forest Vegetation.
PB92-184985/REB 92-01 PC **A03**/MF **A01**

PB92-184993/REB
Developmental Toxicology: Risk Assessment and the Future.
PB92-184993/REB 92-01 PC **A13**/MF **A03**

PB92-185818/REB
Pesticide Fact Sheet Number 225: Dichlorvos (DDVP).
PB92-185818/REB 92-01 PC **A01**/MF **A01**

PB92-185826/REB
Pesticide Fact Sheet Number 91.1: Arsenic Acid (H3AsO4).
PB92-185826/REB 92-01 PC **A02**/MF **A01**

PB92-185834/REB
Pesticide Fact Sheet Number 112.1: Lead Arsenate.
PB92-185834/REB 92-01 PC **A01**/MF **A01**

PB92-185842/REB
Pesticide Fact Sheet Number 233: Ethylene Bisdithiocarbamates (EBDCs).
PB92-185842/REB 92-01 PC **A03**/MF **A01**

PB92-185859/REB
Pesticide Fact Sheet Number 234: Ethylene Oxide (EtO).
PB92-185859/REB 92-01 PC **A02**/MF **A01**

PB92-186246/REB
Human Exposure Model-II: User's Guide.
PB92-186246/REB 92-01 PC **A08**/MF **A02**

PB92-186410/REB
Pesticide Fact Sheet Number 111.1: Calcium Arsenate (Tolerance Revocation).
PB92-186410/REB 92-01 PC **A01**/MF **A01**

PB92-186428/REB
Chesapeake Bay Striped Bass Fishery Management Plan: Chesapeake Bay Program. Annual Progress Report from the Chesapeake Executive Council.
PB92-186428/REB 92-01 PC **A03**/MF **A01**

PB92-186436/REB
Chesapeake Bay Bluefish Fishery Management Plan. Chesapeake Bay Program Agreement Commitment Report.
PB92-186436/REB 92-01 PC **A04**/MF **A01**

PB92-186451/REB
Chesapeake Bay Waterfowl Policy and Management Plan (Agreement Committment Report).
PB92-186451/REB 92-01 PC **A03**/MF **A01**

PB92-186469/REB
Committed Obligated Expected Expenditures Plan (COEEP).
PB92-186469/REB 92-01 PC **A03**/MF **A01**

PB92-186477/REB
Chesapeake Bay Weakfish and Spotted Seatrout Fishery Management Plan: An Agreement Commitment Report from the Chesapeake Executive Council.
PB92-186477/REB 92-01 PC **A03**/MF **A01**

PB92-188515/REB
Technical Resource Document: Batch-Type Procedures for Estimating Soil Adsorption of Chemicals.
PB92-188515/REB 92-01 PC **A06**/MF **A02**

PB92-188663/REB
Report to Congress on Ocean Dumping, 1987-1990.
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Kinetochore-Staining of Spermatid Micronuclei: Studies of Mice Treated with X-Radiation or Acrylamide.
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Health Advisory for 2,4- and 2,6-Dinitrotoluene (DNT).
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Waste Minimization Assessment for a Manufacturer Producing Galvanized Steel Parts.
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PB92-190115/REB
Inactive and Abandoned Noncoal Mines. Volume 1. A Scoping Study.
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PB92-190123/REB
Inactive and Abandoned Noncoal Mines. Volume 2. State Reports.
PB92-190123/REB 92-01 PC **A19**/MF **A04**

PB92-190131/REB
Inactive and Abandoned Noncoal Mines. Volume 3. Appendix: State Reports.
PB92-190131/REB 92-01 PC **A14**/MF **A03**

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Projected Regulatory, Programmatic and Fiscal Impacts of EPA's Strawman-II on State Mine Waste Management Programs.
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Projected Regulatory, Programmatic and Fiscal Impacts of EPA's Strawman-II on State Mine Waste Management Programs. Volume 1. Summary Report
PB92-190156/REB 92-01 PC **A04**/MF **A01**

PB92-190164/REB
Projected Regulatory, Programmatic and Fiscal Impacts of EPA's Strawman-II on State Mine Waste Management Programs. Volume 2. State Reports of Western Governors' Association Mine Waste Task Force States.
PB92-190164/REB 92-01 PC **A99**

PB92-190172/REB
Projected Regulatory, Programmatic and Fiscal Impacts of EPA's Strawman-II on State Mine Waste Management Programs. Volume 3. Appendix: State Reports Interstate Coalition on Mine Waste.
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PB92-190230/REB
Control of VOC Emissions from Ink and Paint Manufacturing Processes.
PB92-190230/REB 92-01 PC **A09**/MF **A02**

PB92-190248/REB
Air Quality Atlas.
PB92-190248/REB 92-01 PC **A03**/MF **A01**

PB92-190263/REB
Gridded Model Information Support System (GMISS) User's Guide. Volume 3. Model Concentration Data Retrieval Subsystem.
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PB92-190271/REB
Measurement Solution: Using a Temporary Total Enclosure for Capture Efficiency Testing.
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Methods for the Determination of Nonconventional Pesticides in Municipal and Industrial Wastewater.
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Status of Pesticides in Reregistration and Special Review.
PB92-190438/REB 92-01 PC **A14**/MF **A03**

PB92-190446/REB
Review of the National Ambient Air Quality Standards for Ozone Assessment of Scientific and Technical Information. OAQPS Staff Paper.
PB92-190446/REB 92-01 PC **A17**/MF **A03**

PB92-191097/REB
Acid Aerosol Measurement Intercomparison Workshop. Held in Research Triangle Park, North Carolina on April 10-11, 1991.
PB92-191097/REB 92-01 PC **A15**/MF **A03**

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Surface-Charge Repulsive Effects on the Mobility of Inorganic Colloids in Surface Systems. Annual Colloid and Surface Science Symposium (65th). Held in Norman, Oklahoma on June 17-19, 1991.
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PB92-192202/REB 92-01 PC **A10**/MF **A03**

PB92-192764/REB
Implementing Protective Actions for Radiological Incidents at Other Than Nuclear Power Reactors. Proceedings of a Workshop, Held in Montgomery, Alabama on September 25-26, 1991.
PB92-192764/REB 92-01 PC **A05**/MF **A01**

PB92-192798/REB
RED Facts: Heptachlor.
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Waste Minimization Assessment for a Manufacturer of Motor Vehicle Exterior Mirrors.
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PB92-192889/REB
Technical Assistance Document: Performance Audit Procedures for Opacity Monitors.
PB92-192889/REB 92-01 PC **A12**/MF **A03**

PB92-194000/REB
Quality Assurance Support for the National Atmospheric Deposition Program and National Trends Network Monitoring Activities. Fourth Progress Report, 1990-1991.
PB92-194000/REB 92-01 PC **A06**/MF **A02**

PB92-195635/REB
Simplified Modeling of Air Flow Dynamics in SSD Radon Mitigation Systems for Residences with Gravel Beds.
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Water Quality Model for a River Receiving Paper Mill Effluents and Conventional Sewage.
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Effects of Fenvalerate on the Early Life Stages of Topsmelt ('Atherinops affinis').
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Reproductive Ecology of the Inland Silverside, 'Menidia beryllina', (Pisces: Atherinidae) from Blackwater Bay, Florida.
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Abundant Males in Populations of a Selfing Hermaphrodite Fish, 'Rivulus marmoratus', from Some Belize Cays.
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Mercury in the St. Louis River, Mississippi River, Crane Lake, and Sand Point Lake: Cycling, Distribution, and Sources. Report to the Legislative Commission on Minnesota Resources.
PB92-195957/REB 92-01 PC **A07**/MF **A02**

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Potential Uses of Phosphogypsum and Associated Risks. Background Information Document.
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Waste Minimization Assessment for a Manufacturer of Commercial Ice Machines and Ice Storage Bins.
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Case Study of Radon Diagnostics and Mitigation in a New York State School.
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Landfill Leachate Effects on Sorption of Organic Micropollutants onto Aquifer Materials.
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Safe Drinking Water from Small Systems: Treatment Options.
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Review of Di(2-Ethylhexyl)Phthalate (DEHP) Risk Assessments.
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Consideration of the Target Organ Toxicity of Trichloroethylene in Terms of Metabolite Toxicity and Pharmacokinetics.
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Control of Alkaline Phosphatase Activity in C3H10T1/2 Cells: Role of Retinoic Acid and Cell Density.
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Physiologically Based Kinetic Model of Rat and Mouse Gestation: Disposition of a Weak Acid.
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PB92-198654/REB
Directory of OAQPS Information Services, May 1992.
PB92-198654/REB 92-01 PC **A03**/MF **A01**

PB92-201110/REB
Vitrification Technologies for Treatment of Hazardous and Radioactive Waste.
PB92-201110/REB 92-04 PC **A05**/MF **A01**

PB92-201128/REB
Modeling Radon Entry into Florida Houses with Concrete Slabs and Concrete-Block Stem Walls.
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Demonstration of Sorbent Injection Technology on a Wall-Fired Utility Boiler (Edgewater Limb Demonstration).
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PB92-201144/REB
Guide to Selected National Environmental Statistics in the U.S. Government.
PB92-201144/REB 92-04 PC **A05**/MF **A02**

PB92-201458/REB
Transportation and Air Quality Planning Guidelines, 1992.
PB92-201458/REB 92-04 PC **A10**/MF **A03**

PB92-203116/REB
Landfill Gas Energy Utilization: Technology Options and Case Studies.
PB92-203116/REB 92-04 PC **A09**/MF **A02**

PB92-203496/REB
Development of a Solid Sample Analytical Procedure for Cyanide in Spent Ore. Final Technical Report.
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Waste Minimization Assessment for a Manufacturer of Chemicals.
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Evaluation of a Schatz Heat Battery on a Flexible-Fueled Vehicle. Phase 2.
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Fuel Rich Sulfur Capture in a Combustion Environment.
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PB92-205236/REB
Osmoregulatory Failure and Death of First-Year Largemouth Bass 'Micropterus salmoides' Exposed to Low pH and Elevated Aluminum, at Low Temperatures in Soft Water.
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PB92-205640/REB
Multiphase Chemical Transport in Porous Media.
PB92-205640/REB 92-04 PC **A03**/MF **A01**

PB92-205657/REB
Technical Support Services for Superfund Site Remediation and RCRA Corrective Action. Third Edition.
PB92-205657/REB 92-04 PC **A04**/MF **A01**

PB92-205665/REB
Dermal Exposure Assessment: Principles and Applications.
PB92-205665/REB 92-04 PC **A17**/MF **A04**

PB92-205848/REB
Protocols for Evaluating Oxidant Mechanisms for Urban and Regional Models.
PB92-205848/REB 92-04 PC **A06**/MF **A02**

PB92-205855/REB
Technology Evaluation Report: SITE Program Demonstration Test Horsehead Resource Development Company, Inc., Flame Reactor Technology, Monaca, Pennsylvania.
PB92-205855/REB 92-04 PC **A07**/MF **A02**

PB92-206150/REB
National Radon Contractor Proficiency (RCP) Program. Proficiency Report, July 1992.
PB92-206150/REB 92-04 PC **A12**/MF **A03**

PB92-206176/REB
Indoor Radon and Radon Decay Product Measurement Device Protocols.
PB92-206176/REB 92-04 PC **A06**/MF **A02**

PB92-206200/REB
Predicting the Precipitation of Acid and Direct Dyes in Natural Waters.
PB92-206200/REB 92-04 PC **A03**/MF **A01**

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System for Control of River Water Quality for the Community of Madrid Using QUAL2E.
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Temperature and Conductivity Modeling for the Buffalo River.
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European Packaging Initiatives: Leading the Way on Source Reduction.
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Status Report on Planktonic Cyanobacteria (Blue-Green Algae) and Their Toxins.
PB92-206259/REB 92-04 PC **A07**/MF **A02**

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Comparison: Organic Emissions from Hazardous Waste Incinerators versus the 1990 Toxics Release Inventory Air Releases.
PB92-206267/REB 92-04 PC **A03**/MF **A01**

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Biomethylation and Environmental Transport of Metals.
PB92-206275/REB 92-04 PC **A02**/MF **A01**

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Efficient Multiple-Exposure Analysis of the Toxicity of Crisnatol: A DNA Intercalator in Phase 2 Clinical Trials.
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Study Design Considerations in Developmental Neurotoxicology.
PB92-206291/REB 92-04 PC **A02**/MF **A01**

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2,4,5-Trichlorophenoxyacetic Acid Influence on 2,6-Dinitrotoluene-Induced Urine Genotoxicity in Fisher 344 Rats: Effect on Gastrointestinal Microflora and Enzyme Activity.
PB92-206309/REB 92-04 PC **A02**/MF **A01**

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Spatial Learning Deficits Are Not Solely Due to Cholinergic Deficits Following Medial Septal Lesions with Colchicine.
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Age-Dependent Changes in Receptor-Stimulated Phosphoinositide Turnover in the Rat Hippocampus.
PB92-206333/REB 92-04 PC **A02**/MF **A01**

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Considerations in the U.S. Environmental Protection Agency's Testing Approach for Mutagencity.
PB92-206341/REB 92-04 PC **A03**/MF **A01**

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Human Bronchial Epithelial Cell Strain with Unusual In vitro Growth Potential Which Undergoes Neoplastic Transformation after *SV40 T Antigen Gene Transfection.*
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Long-Term Neurochemical and Behavioral Effects Induced by *Acute Chlorpyrifos Treatment.*
PB92-206366/REB 92-04 PC **A02**/MF **A01**

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Effect of Bioremediation on the Mutagenicity of Oil Spilled in Prince William Sound, Alaska.
PB92-206374/REB 92-04 PC **A02**/MF **A01**

PB92-206382/REB
Antimutagenicity Profiles of Some Natural Substances.
PB92-206382/REB 92-04 PC **A03**/MF **A01**

PB92-206390/REB
Predictive Assay for Rodent Carcinogenicity Using In vivo Biochemical Parameters: Operational Characteristics and Complementarity.
PB92-206390/REB 92-04 PC **A03**/MF **A01**

PB92-206408/REB
In vitro Screening Batteries for Neurotoxicants (Journal Article).
PB92-206408/REB 92-04 PC **A03**/MF **A01**

PB92-206416/REB
Use of the Fungicide Carbendazim as a Model Compound to Determine the Impact of Acute Chemical Exposure during Oocyte Maturation and Fertilization on Pregnancy Outcome in the Hamster.
PB92-206416/REB 92-04 PC **A02**/MF **A01**

PB92-206424/REB
Long-Path FTIR Measurements of Volatile Organic Compounds in an Industrial Setting (July 1989-April 1991).
PB92-206424/REB 92-04 PC **A02**/MF **A01**

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Canister-Based Method for Monitoring Toxic VOCs in Ambient Air.
PB92-206432/REB 92-04 PC **A03**/MF **A01**

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Comparative Analysis of Dioxins and Furans in Ambient Air by High Resolution and Electron Capture Mass Spectrometry.
PB92-206440/REB 92-04 PC **A02**/MF **A01**

PB92-206457/REB
Air Pollution Engineering Research at the U.S. Environmental Protection Agency.
PB92-206457/REB 92-04 PC **A01**/MF **A01**

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Stimulation of Reductive Dechlorination of Tetrachloroethene in Anaerobic Aquifer Microcosms by Addition of Short-Chain Organic Acids or Alcohols.
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Rational Approaches to the Management of Bronchopulmonary Disease.
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Chemical and Physical Properties of Emissions from Kuwait Oil Fires.
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Full-Scale Laboratory Simulation Facility to Test Particulate and Organic Emissions from a Third World Residential Combustion Process. III Evaluation of a Potential Technique for the Control of Emissions from the Indoor, Open Hearth Combustion of Coal.
PB92-206499/REB 92-04 PC **A03**/MF **A01**

PB92-206507/REB
Physical Property Data on Fluorinated Propanes and Butanes as CFC and HCFC Alternatives.
PB92-206507/REB 92-04 PC **A03**/MF **A01**

PB92-206515/REB
Research and Development for Total-Flood Halon 1301 Replacements for Oil and Gas Production Facilities.
PB92-206515/REB 92-04 PC **A02**/MF **A01**

PB92-206523/REB
Advanced Emissions Speciation Methodologies for the Auto/Oil Air Quality Improvement Research Program. 2. Aldehydes, Ketones, and Alcohols.
PB92-206523/REB 92-04 PC **A03**/MF **A01**

PB92-206531/REB
U.S. Environmental Protection Agency Health Effects Research on Drinking Water Contaminants.
PB92-206531/REB 92-04 PC **A02**/MF **A01**

PB92-206549/REB
Developmental Neurotoxicology of Polychlorinated Biphenyls and Related Compounds.
PB92-206549/REB 92-04 PC **A03**/MF **A01**

PB92-206556/REB
Approach to the Design of Nonmutagenic Azo Dyes: Analogues of the *Mutagen 4-Amino-3-Methoxyazobenzene* (Chapter 4).
PB92-206556/REB 92-04 PC **A03**/MF **A01**

PB92-206564/REB
New Two-Phase Flow and Transport Model with Interphase Mass Exchange.
PB92-206564/REB 92-04 PC **A03**/MF **A01**

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Parallel Groundwater Computations Using PVM.
PB92-206572/REB 92-04 PC **A03**/MF **A01**

PB92-206580/REB
Data Logging Systems for Monitoring Long-Term Radon Mitigation Experimental Programs in Schools and Other Large Buildings.
PB92-206580/REB 92-04 PC **A03**/MF **A01**

PB92-206598/REB
Full-Scale Laboratory Simulation Facility to Test Particulate and Organic Emissions from a Third World Residential Combustion Process. 1. Facility Description and Results of Tests of Three Rural China Residential Coals, a U.S. Coal, and Wood.
PB92-206598/REB 92-04 PC **A03**/MF **A01**

PB92-206606/REB
Characterization of Condensible and Semivolatile Organic *Materials from Boise Woodstove Samples.*
PB92-206606/REB 92-04 PC **A03**/MF **A01**

PB92-206614/REB
Surface-Coating-Free Materials and Reduction of VOC Emissions from Coating Operations.
PB92-206614/REB 92-04 PC **A03**/MF **A01**

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Corona Destruction: An Innovative Control Technology for VOCs and Air Toxics.
PB92-206622/REB 92-04 PC **A03**/MF **A01**

PB92-206879/REB
Illinois Lake Management Program Act Administrative Framework Plan.
PB92-206879/REB 92-04 PC **A07**/MF **A02**

PB92-206895/REB
Evaluation of Personal Cooling Devices for Dioxin Clean-Up Operation.
PB92-206895/REB 92-04 PC **A05**/MF **A01**

PB92-207166/REB
Characterization of Municipal Solid Waste in the United States: 1992 Update.
PB92-207166/REB 92-04 PC **A07**/MF **A02**

PB92-207687/REB
Acoustic Location of Leaks in Pressurized Underground Petroleum Pipelines.
PB92-207687/REB 92-04 PC **A04**/MF **A01**

PB92-207695/REB
No Migration Variances to the Hazardous Waste Land Disposal Prohibitions: A Guidance Manual for Petitioners (July 1992).
PB92-207695/REB 92-04 PC **A05**/MF **A02**

PB92-207703/REB
Methods for the Determination of Organic Compounds in Drinking Water. Supplement 2.
PB92-207703/REB 92-04 PC **A12**/MF **A03**

PB92-208206/REB
Alternative Daily Cover Materials for Municipal Solid Waste Landfills.
PB92-208206/REB 92-04 PC **A03**/MF **A01**

PB92-209295/REB
At the Threshold: A National Consensus Quality Systems Standard for Environmental Programs, 1992.
PB92-209295/REB 92-04 PC **A03**/MF **A01**

PB92-209303/REB
Principles of Identifying and Characterizing Neurotoxicity.
PB92-209303/REB 92-04 PC **A02**/MF **A01**

PB92-209311/REB
Detection and Disinfection of Pathogens in Storm-Generated Flows.
PB92-209311/REB 92-04 PC **A03**/MF **A01**

PB92-209329/REB
Response of a Human Bronchial Epithelial Cell Line to Histamine: Intracellular Calcium Changes and Extracellular Release of Inflammatory Mediators.
PB92-209329/REB 92-04 PC **A03**/MF **A01**

PB92-209337/REB
Triphenyl Phosphite-Induced Ultrastructural Changes in Bovine Adrenomedullary Chromaffin Cells.
PB92-209337/REB 92-04 PC **A03**/MF **A01**

PB92-209345/REB
Measurement of Tyrosine Hydroxylase Apoenzyme Protein by Enzyme-Linked Immunosorbent Assay (ELISA): Effects of 1-Methyl-4-Phenyl-1,2,3,6-Tetrahydropyridine (MPTP) on Striatal Tyrosine Hydroxylase Activity and Content.
PB92-209345/REB 92-04 PC **A02**/MF **A01**

PB92-209352/REB
Respiratory Syncytial Virus Infection of Human Primary Nasal and Bronchial Epithelial Cell Cultures and Bronchoalveolar Macrophages.
PB92-209352/REB 92-04 PC **A02**/MF **A01**

PB92-209360/REB
Dose-Related Inhibition of Brain and Plasma Cholinesterase in Neonatal and Adult Rats Following Sublethal Organophosphate Exposures.
PB92-209360/REB 92-04 PC **A03**/MF **A01**

PB92-209378/REB
Higher Plant Accumulation of Organic Pollutants from Soils.
PB92-209378/REB 92-04 PC **A07**/MF **A02**

PB92-209386/REB
Procedures for Emission Inventory Preparation. Volume 4: *Mobile Sources.*
PB92-209386/REB 92-04 PC **A11**/MF **A03**

PB92-212976/REB
Air Emissions from the Treatment of Soils Contaminated with Petroleum Fuels and Other Substances.
PB92-212976/REB 92-04 PC **A12**/MF **A03**

PB92-213198/REB
Peer Review Workshop Report on a Framework for Ecological Risk Assessment.
PB92-213198/REB 92-04 PC **A06**/MF **A02**

PB92-213206/REB
Facility Pollution Prevention Guide.
PB92-213206/REB 92-04 PC **A08**/MF **A02**

PB92-213214/REB
Horsehead Resource Development Company, Inc. Flame Reactor Technology: Applications Analysis Report.
PB92-213214/REB 92-04 PC **A04**/MF **A01**

PB92-213222/REB
Guideline for Regulatory Application of the Urban Airshed Model for Areawide Carbon Monoxide. Volume 1. Technical Report.
PB92-213222/REB 92-04 PC **A04**/MF **A01**

PB92-213230/REB
Guideline for Regulatory Application of the Urban Airshed Model for Areawide Carbon Monoxide. Volume 2. Appendices.
PB92-213230/REB 92-04 PC **A04**/MF **A01**

PB92-213248/REB
Interagency Workgroup on Air Quality Modeling (IWAQM) Work Plan Rationale.
PB92-213248/REB 92-04 PC **A03**/MF **A01**

PB92-213255/REB
User's Guide for the SYSPOP Program: A PC Version of the PRESTO-EPA-POP Operation System. Version 1.0.
PB92-213255/REB 92-04 PC **A11**/MF **A03**

PB92-213263/REB
Production of Acetal, Amino, and Phenolic Resins.
PB92-213263/REB 92-04 PC **A08**/MF **A02**

PB92-216035/REB
Technology Evaluation Report of Retech, Inc., Plasma Centrifugal Furnace. Volume 1.
PB92-216035/REB 92-04 PC **A09**/MF **A02**

PB92-216043/REB
Technology Evaluation Report of Retech, Inc., Plasma Centrifugal Furnace. Volume 2.
PB92-216043/REB 92-04 PC **A15**/MF **A03**

PB92-216886/REB
Handbook of Suggested Practices for the Design and Installation of Ground-Water Monitoring Wells (Revised).
PB92-216886/REB 92-04 PC **A11**/MF **A03**

PB92-216894/REB
Characterizing Heterogeneous Wastes: Methods and Recommendations (March 26-28, 1991).
PB92-216894/REB 92-04 PC **A08**/MF **A02**

PB92-216910/REB
Feasibility of Including Regional and Temporal VOC Emissions Estimates in the EPA Emissions Trends Report.
PB92-216910/REB 92-04 PC **A04**/MF **A01**

PB92-216928/REB
Recommended Operating Procedure Number 56: Collection of Gaseous Grab Samples from Combustion Sources for *Nitrous Oxide Measurement.*
PB92-216928/REB 92-04 PC **A03**/MF **A01**

PB92-216936/REB
On-Site Engineering Report for the Low-Temperature Thermal Desorption Pilot-Scale Test on Contaminated Soil.
PB92-216936/REB 92-04 PC **A07**/MF **A02**

PB92-216944/REB
Arsenic and Mercury Workshop on Removal, Recovery, Treatment and Disposal. Abstract Proceedings. Held in Alexandria, Virginia on August 17-20, 1992.
PB92-216944/REB 92-04 PC **A07**/MF **A02**

PB92-216951/REB
Workshop: Application of Microcosms for Assessing the Risk of Microbial Biotechnology Products. Held in Hunt Valley, Maryland on May 19, 1992.
PB92-216951/REB 92-04 PC **A07**/MF **A02**

PB92-216969/REB
Sequencing Batch Reactors: Summary Report.
PB92-216969/REB 92-04 PC **A03**/MF **A01**

PB92-216977/REB
Causes and Control of Activated Sludge Bulking and Foaming.
PB92-216977/REB 92-04 PC **A05**

PB92-216985/REB
Waste Minimization Opportunity Assessment Manual.
PB92-216985/REB 92-04 PC **A06**/MF **A02**

PB92-217009/REB
Mutagenicity of Emissions from the Simulated Open Burning of Scrap Rubber Tires.
PB92-217009/REB 92-04 PC **A04**/MF **A01**

PB92-217017/REB
Transactions: Tropospheric Ozone and the Environment. Papers from an International Conference.
PB92-217017/REB 92-04 PC **A03**/MF **A01**

PB92-217025/REB
Murine Cytomegalovirus Host Resistance Models.
PB92-217025/REB 92-04 PC **A03**/MF **A01**

PB92-217033/REB
Measurement of Behavioral Thermoregulation.
PB92-217033/REB 92-04 PC **A03**/MF **A01**

PB92-217041/REB
Use of Visual and Chemosensory Evoked Potentials in Environmental and Occupational Health.
PB92-217041/REB 92-04 PC **A03**/MF **A01**

PB92-217058/REB
Assessing Toxicity of Organic Chemicals to Anaerobic Treatment Processes.
PB92-217058/REB 92-04 PC **A03**/MF **A01**

PB92-217066/REB
Landfill Gas Recovery/Utilization: Options and Economics.
PB92-217066/REB 92-04 PC **A03**/MF **A01**

PB92-217074/REB
U.S. EPA's Manual of Practice for the Investigation and Control of Cross-Connection Pollution into Storm Drainage Systems.
PB92-217074/REB 92-04 PC **A02**/MF **A01**

PB92-217082/REB
Hazardous Waste Degradation by Wood Degrading Fungi.
PB92-217082/REB 92-04 PC **A03**/MF **A01**

PB92-217090/REB
Comparison of the Incineration of Medical Waste with Hazardous and Municipal Waste.
PB92-217090/REB 92-04 PC **A03**/MF **A01**

PB92-217108/REB
Respirometric Methods for Determination of Biodegradability and Biodegradation Kinetics for Hazardous Organic Pollutant Compounds.
PB92-217108/REB 92-04 PC **A03**/MF **A01**

PB92-217116/REB
Educating Managers about Quality through Customer-Supplier Understanding. Overview of Current Training Initiatives in Energy and Environmental Programs. Annual National Energy and Environmental Quality Division Conference (19th).
PB92-217116/REB 92-04 PC **A03**/MF **A01**

PB92-217124/REB
Geomembrane Anchorage Behavior Using a Large Scale Pullout Apparatus.
PB92-217124/REB 92-04 PC **A03**/MF **A01**

PB92-217132/REB
Stress Crack Testing of Polyethylene Geomembranes.
PB92-217132/REB 92-04 PC **A03**/MF **A01**

PB92-217140/REB
Regional Respiratory Tract Absorption of Inhaled Reactive Gases.
PB92-217140/REB 92-04 PC **A05**/MF **A01**

PB92-217157/REB
Understanding the Fate of Petroleum Hydrocarbons in the Subsurface Environment.
PB92-217157/REB 92-04 PC **A02**/MF **A01**

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Estimating Agriculture's Net Contribution to Atmospheric Carbon.
PB92-217165/REB 92-04 PC **A03**/MF **A01**

PB92-217173/REB
Approach to *Assessment of Management* Impacts on Agricultural Soil Carbon.
PB92-217173/REB 92-04 PC **A03**/MF **A01**

PB92-217181/REB
Seasonal Variations of Stable Hydrogen and Carbon Isotope Ratios of Methane in Subtropical Freshwater Sediments.
PB92-217181/REB 92-04 PC **A03**/MF **A01**

PB92-217199/REB
Increasing Scientific Power with Statistical Power.
PB92-217199/REB 92-04 PC **A03**/MF **A01**

PB92-217207/REB
Effects of Heavy Industrial Pollution on Respiratory Function in the Children of *Cubatao, Brazil: A Preliminary* Report.
PB92-217207/REB 92-04 PC **A02**/MF **A01**

PB92-217215/REB
Differences in Arachidonic Acid Metabolism by Human Myelomonocytic Cell Lines.
PB92-217215/REB 92-04 PC **A02**

PB92-217223/REB
Exposure of Humans to a Volatile Organic Mixture. 3. Inflammatory Response.
PB92-217223/REB 92-04 PC **A02**/MF **A01**

PB92-217231/REB
Application of Tradescantia Micronucleus Assay for In situ Evaluation of Potential Genetic Hazards from Exposure to Chemicals at a Wood-Preserving Site.
PB92-217231/REB 92-04 PC **A02**/MF **A01**

PB92-217249/REB
Environmental Laws and Regulations Relating to Medical Waste Disposal.
PB92-217249/REB 92-04 PC **A03**/MF **A01**

PB92-217256/REB
Waste Minimization Assessment for a Manufacturer of Military Furniture.
PB92-217256/REB 92-04 PC **A01**/MF **A01**

PB92-217264/REB
Waste Minimization Assessment for a Dairy.
PB92-217264/REB 92-04 PC **A01**/MF **A01**

PB92-217272/REB
Waste Minimization Assessment for a Manufacturer of Components for Automobile Air Conditioners.
PB92-217272/REB 92-04 PC **A01**/MF **A01**

PB92-217280/REB
Waste Minimization Assessment for a Manufacturer of Water Analysis Instrumentation.
PB92-217280/REB 92-04 PC **A01**/MF **A01**

PB92-217298/REB
Summary Report for the National Atmospheric Deposition Program/National Trends Network (*NADP/NTN) Site Visitation* Program for the Period October 1989 through September 1990.
PB92-217298/REB 92-04 PC **A05**/MF **A01**

PB92-217306/REB
Approach to Improving Decision Making in Wetland Restoration and Creation.
PB92-217306/REB 92-04 PC **A08**/MF **A02**

PB92-217314/REB
Optimal Adaptive Local Grid Refinement Approach to Modeling Contaminant Transport.
PB92-217314/REB 92-04 PC **A03**/MF **A01**

PB92-217322/REB
Development of Emerging Technologies within the SITE *Program.*
PB92-217322/REB 92-04 PC **A03**/MF **A01**

PB92-217330/REB
Intelligent Processing *Equipment within the Environmental* Protection Agency.
PB92-217330/REB 92-04 PC **A02**/MF **A01**

PB92-217348/REB
Prediction of Octanol/Water Partition Coefficient (K sub ow) with Algorithmically Derived Variables.
PB92-217348/REB 92-04 PC **A02**/MF **A01**

PB92-217355/REB
Effect of the Method of Preparing Monochloramine upon Inactivation of MS2 Coliphage, 'Escherichia coli', and 'Klebsiella pneumoniae'.
PB92-217355/REB 92-04 PC **A02**/MF **A01**

PB92-217363/REB
Microbiological Changes in Source Water Treatment: Reflections in Distribution Water Quality.
PB92-217363/REB 92-04 PC **A03**/MF **A01**

PB92-217371/REB
Volatile Emissions from Stabilization/Solidification of Hazardous Waste.
PB92-217371/REB 92-04 PC **A03**/MF **A01**

PB92-217389/REB
Mapping Toxicant-Induced Nervous System Damage with a Cupric Silver Stain: A Quantitative Analysis of Neural *Degeneration Induced* by 3,4-Methylenedioxymethamphetamine (MDMA) (Revised).
PB92-217389/REB 92-04 PC **A03**/MF **A01**

PB92-217397/REB
Cartographic and Geometric Components of a Global Sampling Design for Environmental Monitoring.
PB92-217397/REB 92-04 PC **A03**/MF **A01**

PB92-217405/REB
Effects of El Nino and La Nina on Seabird Assemblages in the Equatorial Pacific.
PB92-217405/REB 92-04 PC **A03**/MF **A01**

PB92-217413/REB
Effects of Aqueous and Dietary Exposure of Dieldrin on Survival, Growth and Bioconcentration in Mallard Ducklings.
PB92-217413/REB 92-04 PC **A03**/MF **A01**

PB92-217421/REB
Hierarchical Stochastic Model of Large-Scale Atmospheric Circulation Patterns and Multiple Station Daily Precipitation.
PB92-217421/REB 92-04 PC **A03**

PB92-217439/REB
Effects of Section 404 Permitting on Freshwater Wetlands in Louisiana, Alabama, and Mississippi.
PB92-217439/REB 92-04 PC **A03**/MF **A01**

PB92-217447/REB
Land-Surface Hydrology Parameterization with Subgrid Variability for General Circulation Models.
PB92-217447/REB 92-04 PC **A03**/MF **A01**

PB92-217454/REB
Experimental Design and Instrumentation for a Field Experiment.
PB92-217454/REB 92-04 PC **A05**/MF **A01**

PB92-217462/REB
Technology Evaluation Report: The Carver-Greenfield Process, Dehydro-Tech Corporation.
PB92-217462/REB 92-04 PC **A11**/MF **A03**

PB92-217470/REB
Interim Protocol for the Evaluation of Survival of Genetically Engineered Microorganisms by Simulating the Aerial Environment Using a Freeze-Drying Procedure.
PB92-217470/REB 92-04 PC **A03**/MF **A01**

PB92-217488/REB
Protocol for Testing the Effects of Fungal Pesticides on Nontarget Beetles Using 'Hippodamia convergens' (Coleoptera: Coccinellidae).
PB92-217488/REB 92-04 PC **A03**/MF **A01**

PB92-217496/REB
Waste Reduction Activities and Options at a Printer of Forms and Supplies for the Legal Profession.
PB92-217496/REB 92-04 PC **A02**/MF **A01**

PB92-217728/REB
EPA Journal Holdings Report, 1992.
PB92-217728/REB 92-04 PC **A12**/MF **A03**

PB92-217801/REB
Chesapeake Bay Citizen Monitoring Program Report Conestoga River (October 1986-June 1990).
PB92-217801/REB 92-04 PC **A03**/MF **A01**

PB92-217835/REB
Fiscal Year 1991 Summary Report of NOAA Atmospheric Sciences Modeling Division Support to the U.S. Environmental Protection Agency.
PB92-217835/REB 92-04 PC **A05**/MF **A01**

PB92-217926/REB
Natural Gas Vehicle Challenge: EPA Emissions and Fuel Economy Testing, 1992.
PB92-217926/REB 92-04 PC **A04**/MF **A01**

PB92-218320/REB
Removal of Radium from Drinking Water.
PB92-218320/REB 92-04 PC **A07**/MF **A02**

PB92-218338/REB
HVAC Systems in the Current Stock of U.S. K-12 Schools.
PB92-218338/REB 92-04 PC **A04**/MF **A01**

PB92-218346/REB
Tests of Indoor Air Quality Sinks.
PB92-218346/REB 92-04 PC **A15**/MF **A03**

PB92-218353/REB
Directory of EPA Support to Minority Academic Institutions, FY 1990-1991.
PB92-218353/REB 92-04 PC **A05**/MF **A02**

PB92-218361/REB
Guidelines for Catastrophic Emergency Situations Involving Asbestos.
PB92-218361/REB 92-04 PC **A04**/MF **A01**

PB92-218379/REB
AWD Technologies Integrated AquaDetox (Trade Name)/SVE Technology: Applications Analysis Report.
PB92-218379/REB 92-04 PC **A04**/MF **A01**

PB92-218395/REB
Technical Support Document for the 1992 Citizen's Guide to Radon.
PB92-218395/REB 92-04 PC **A08**/MF **A02**

PB92-218403/REB
Citizen's Guide to Pesticides (Fourth Edition), November 1991.
PB92-218403/REB 92-04 PC **A03**/MF **A01**

PB92-218411/REB
Volunteer Lake Monitoring: A Methods Manual.
PB92-218411/REB 92-04 PC **A07**/MF **A02**

PB92-218429/REB
Documentation for Developing the Initial Source Category List.
PB92-218429/REB 92-04 PC **A16**/MF **A03**

PB92-218791/REB
Retech, Inc., Plasma Centrifugal Furnace: Applications Analysis Report.
PB92-218791/REB 92-04 PC **A04**/MF **A01**

PB92-219732/REB
Forum on Innovative Hazardous Waste Treatment Technologies (3rd): Domestic and International. Held in Dallas, Texas on June 11-13, 1991. Technical Papers.
PB92-219732/REB 92-04 PC **A22**/MF **A04**

PB92-219823/REB
Summary Report for the National Atmospheric Deposition Program National Trends Network (NADP/NTN) Site Visitation Program.
PB92-219823/REB 92-04 PC **A06**/MF **A02**

PB92-220219/REB
Reregistration Eligibility Document (RED): Alkyl Amine Hydrochloride.
PB92-220219/REB 92-04 PC **A06**/MF **A02**

PB92-220227/REB
Reregistration Eligibility Document (RED): Putrescent Whole Egg Solids.
PB92-220227/REB 92-04 PC **A06**/MF **A02**

PB92-220235/REB
Reregistration Eligibility Document (RED): 'Allium sativum' (Garlic).
PB92-220235/REB 92-04 PC **A07**/MF **A02**

PB92-220656/REB
Atlanta Ozone Precursor Monitoring Study Data Report.
PB92-220656/REB 92-04 PC **A08**/MF **A02**

PB92-221373/REB
Chesapeake Bay Basin Comprehensive List of Toxic Substances.
PB92-221373/REB 92-04 PC **A04**/MF **A01**

PB92-221647/REB
Vendor Information System for Innovative Treatment Technologies. User Manual (VISITT Version 1.0). Number 1.
PB92-221647/REB 92-04 PC **A03**/MF **A01**

PB92-221811/REB
General Information on Applying for Registration of Pesticides in the United States. Second Edition.
PB92-221811/REB 92-04 PC **A13**/MF **A03**

PB92-221829/REB
Reregistration Eligibility Document (RED): Citric Acid.
PB92-221829/REB 92-04 PC **A06**/MF **A02**

PB92-221837/REB
RED Facts: Citric Acid.
PB92-221837/REB 92-04 PC **A01**/MF **A01**

PB92-221985/REB
Tech Trends (Number 8).
PB92-221985/REB 92-04 PC **A01**/MF **A01**

PB92-222041/REB
Chemical Oil Spill Dispersants: Evaluation of Three Laboratory Procedures for Estimating Performance.
PB92-222041/REB 92-04 PC **A09**/MF **A03**

PB92-222207/REB
Chemical Oil Spill Dispersants: Update State-of-the-Art on Mechanisms of Action and Factors Influencing Performance with Emphasis on Laboratory Studies.
PB92-222207/REB 92-04 PC **A05**/MF **A01**

PB92-222215/REB
Technology Evaluation Report: Babcock and Wilcox Cyclone Furnace Vitrification Technology. Volume 1.
PB92-222215/REB 92-04 PC **A06**/MF **A02**

PB92-222223/REB
Technology Evaluation Report: Babcock and Wilcox Cyclone Furnace Vitrification Technology. Volume 2.
PB92-222223/REB 92-04 PC **A15**/MF **A03**

PB92-222231/REB
Toxicity Reduction Evaluation: Case Histories at High Point and Fayetteville, North Carolina.
PB92-222231/REB 92-04 PC **A08**/MF **A02**

PB92-222512/REB
Volunteer Lake Monitoring Program, 1991. Volume 1: Statewide Summary Report.
PB92-222512/REB 92-04 PC **A06**/MF **A02**

PB92-222850/REB
Comprehensive List of Chesapeake Bay Basin Species.
PB92-222850/REB 92-04 PC **A07**/MF **A02**

PB92-222876/REB
Volunteer Lake Monitoring Program, 1991. Volume 6. Southwestern Illinois Region.
PB92-222876/REB 92-04 PC **A04**/MF **A01**

PB92-223023/REB
Illinois Water Quality Report, 1990-1991.
PB92-223023/REB 92-04 PC **A19**/MF **A04**

PB92-223122/REB
Drinking Water and Health. Volume 5.
PB92-223122/REB 92-04 PC **A08**/MF **A02**

PB92-223130/REB
Drinking Water and Health. Volume 6.
PB92-223130/REB 92-04 PC **A21**/MF **A04**

PB92-223171/REB
Multimedia Approaches to Pollution Control: A Symposium Proceedings.
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PB92-223189/REB
Opportunities in Applied Environmental Research and Development.
PB92-223189/REB 92-04 PC **A08**/MF **A02**

PB92-223213/REB
Tracking Toxic Substances at Industrial Facilities: Engineering Mass Balance versus Materials Accounting.
PB92-223213/REB 92-04 PC **A09**/MF **A02**

PB92-223221/REB
Rethinking the Ozone Problem in Urban and Regional Air Pollution.
PB92-223221/REB 92-04 PC **A22**/MF **A04**

PB92-223239/REB
Monitoring Human Tissues for Toxic Substances.
PB92-223239/REB 92-04 PC **A10**/MF **A03**

PB92-223254/REB
Aging in Today's Environment.
PB92-223254/REB 92-04 PC **A11**/MF **A03**

PB92-223262/REB
Environmental Tobacco Smoke: Measuring Exposures and Assessing Health Effects.
PB92-223262/REB 92-04 PC **A15**/MF **A03**

PB92-223288/REB
Polychlorinated Biphenyls.
PB92-223288/REB 92-04 PC **A09**/MF **A03**

PB92-224088/REB
Supercritical Water Oxidation: Engineering Bulletin.
PB92-224088/REB 92-04 PC **A02**/MF **A01**

PB92-224096/REB
Protecting Endangered Species: Interim Measures, Stephens County, Georgia.
PB92-224096/REB 92-04 PC **A01**/MF **A01**

PB92-224104/REB
TCE Removal from Contaminated Soil and Ground Water. Ground Water Issue.
PB92-224104/REB 92-04 PC **A03**/MF **A01**

PB92-224138/REB
Ground Water Models: Scientific and Regulatory Applications.
PB92-224138/REB 92-04 PC **A14**/MF **A03**

PB92-224161/REB
Restoration of Aquatic Ecosystems: Science, Technology and Public Policy.
PB92-224161/REB 92-04 PC **A24**/MF **A04**

PB92-224179/REB
Ground Water and Soil Contamination Remediation: Toward Compatible Science, Policy, and Public Perception. Report on a Colloquium Sponsored by the Water Science and Technology Board, Colloquium 5 of a Series.
PB92-224179/REB 92-04 PC **A12**/MF **A03**

PB92-224278/REB
Toxics in the Community: National and Local Perspectives. The 1989 Toxics Release Inventory National Report.
PB92-224278/REB 92-04 PC **A24**/MF **A04**

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Enforcement in the 1990's Project: Recommendations of the Analytical Workgroups.
PB92-224286/REB 92-04 PC **A17**/MF **A04**

PB92-224294/REB
Superfund Innovative Technology Evaluation Program: Technology Profiles, Fourth Edition.
PB92-224294/REB 92-04 PC **A10**/MF **A03**

PB92-224310/REB
Office of Wetlands, Oceans and Watersheds Publications.
PB92-224310/REB 92-04 PC **A03**/MF **A01**

PB92-224328/REB
Pesticide Reregistration Progress Report.
PB92-224328/REB 92-04 PC **A03**/MF **A01**

PB92-224336/REB
In-situ Bioremediation of Contaminated Ground Water.
PB92-224336/REB 92-04 PC **A03**/MF **A01**

PB92-224344/REB
Pesticide Safety for Farmworkers (Uso Seguro de Pesticidas para los Trabajadores del Campo).
PB92-224344/REB 92-04 PC **A03**

PB92-224351/REB
Technology Demonstration Summary, DuPont/Oberlin Microfiltration System, Palmerton, Pennsylvania. April-May 1992.
PB92-224351/REB 92-04 PC **A02**/MF **A01**

PB92-224377/REB
Guide for Conducting Treatability Studies under CERCLA: Aerobic Biodegradation Remedy Screening. Quick Reference Fact Sheet.
PB92-224377/REB 92-04 PC **A02**/MF **A01**

PB92-224385/REB
Guidance on Site Assessment Cooperative Agreements.
PB92-224385/REB 92-04 PC **A03**/MF **A01**

PB92-224393/REB
Technology Demonstration Summary: Bio Trol Soil Washing System for Treatment of a Wood Preserving Site.
PB92-224393/REB 92-04 PC **A02**/MF **A01**

PB92-224401/REB
Guide for Conducting Treatability Studies under CERCLA: Soil Vapor Extraction. Quick Reference Fact Sheet.
PB92-224401/REB 92-04 PC **A02**/MF **A01**

PB92-224419/REB
Hazardous Substance Research Centers Program. Program Summary FY 1991. Office of Exploratory Research.
PB92-224419/REB 92-04 PC **A12**/MF **A03**

PB92-224435/REB
Quality Review Guidelines for 1990 Base Year Emission Inventories.
PB92-224435/REB 92-04 PC **A12**/MF **A03**

PB92-224690/REB
Making It Work: Title 3 Compliance. The Public's Right-to-Know.
PB92-224690/REB 92-04 PC **A02**/MF **A01**

PB92-224708/REB
Bioremediation in the Field: An Information Update on Applying Bioremediation to Site Cleanup. (Number 4).
PB92-224708/REB 92-04 PC **A03**/MF **A01**

PB92-224716/REB
Vendor Information System for Innovative Treatment Technologies (VISITT). Number 1.
PB92-224716/REB 92-04 PC **A02**/MF **A01**

PB92-224724/REB
Ground-Water Issue: The Effects of Well Casing Material on Ground Water-Quality.
PB92-224724/REB 92-04 PC **A03**/MF **A01**

PB92-224732/REB
Watershed Protection Approach: An Overview.
PB92-224732/REB 92-04 PC **A03**/MF **A01**

PB92-224740/REB
Title 3 on Indian Lands: A Guide to the Emergency Planning and Community Right-to-Know Act. (Technical Assistance Bulletin). Volume 10, Number 2.
PB92-224740/REB 92-04 PC **A03**/MF **A01**

PB92-224765/REB
Protecting the Nation's Ground Water: EPA's Strategy for the 1990s: The Final Report of the EPA Ground-Water Task Force.
PB92-224765/REB 92-04 PC **A05**/MF **A01**

PB92-224799/REB
Superfund Innovative Technology Evaluation Program: Progress and Accomplishments, Fiscal Year 1990. A Fourth Report to Congress.
PB92-224799/REB 92-04 PC **A05**/MF **A01**

PB92-224807/REB
Bioremediation in the Field. An Information Update on Applying Bioremediation to Site Clean-Up. Number 3.
PB92-224807/REB 92-04 PC **A03**/MF **A01**

PB92-224815/REB
RCRA Corrective Actions. Speaker Slide Copies.
PB92-224815/REB 92-04 PC **A06**/MF **A02**

PB92-224823/REB
Bibliography of Materials on the Emergency Planning and Community Right-to-Know Act (Title III of SARA).
PB92-224823/REB 92-04 PC **A03**/MF **A01**

PB92-224831/REB
Economic Incentives: Options for Environmental Protection.
PB92-224831/REB 92-04 PC **A07**/MF **A02**

PB92-224849/REB
User's Guide for the Urban Airshed Model. Volume 7. User's Manual for the Performance Evaluation System.
PB92-224849/REB 92-04 PC **A07**/MF **A02**

PB92-225051/REB
Pesticides and Ground-Water Strategy.
PB92-225051/REB 92-04 PC **A06**/MF **A02**

PB92-225069/REB
Pesticides in Drinking-Water Wells.
PB92-225069/REB 92-04 PC **A03**/MF **A01**

PB92-226182/REB
Environmental Crisis in the Gulf. The U.S. Response.
PB92-226182/REB 92-04 PC **A03**/MF **A01**

PB92-226190/REB
Preserving Our Future Today: Your Guide to the United States Environmental Protection Agency.
PB92-226190/REB 92-04 PC **A03**/MF **A01**

PB92-226216/REB
Emergency Planning and Community Right-to-Know Act: Section 313 Release Reporting Requirements.
PB92-226216/REB 92-04 PC **A03**/MF **A01**

PB92-226224/REB
Protecting Endangered Species: Interim Measures. Walker County, Georgia.
PB92-226224/REB 92-04 PC **A01**/MF **A01**

PB92-226232/REB
User's Guide for the Urban Airshed Model. Volume 4. User's Manual for the Emissions Preprocessor System 2.0. Part A: Core FORTRAN System.
PB92-226232/REB 92-04 PC **A19**/MF **A04**

PB92-226422/REB
Development Document for Effluent Limitations Guidelines and Standards and Pretreatment Standards for the Steam Electric: Point Source Category.
PB92-226422/REB 92-04 PC **A99**/MF **A06**

PB92-226430/REB
Soil Vapor Extraction Column Experiments on Gasoline Contaminated Soil.
PB92-226430/REB 92-04 PC **A05**/MF **A01**

PB92-226448/REB
Technology Evaluation Report: Site Program Demonstration of a Trial Excavation at the McColl Superfund Site.
PB92-226448/REB 92-04 PC **A10**/MF **A03**

PB92-227255/REB
Citizen Monitoring: Recommendations to Public Water System Users.
PB92-227255/REB 92-04 PC **A01**/MF **A01**

PB92-227263/REB
Citizen Monitoring: Recommendations to Household Well Users.
PB92-227263/REB 92-04 PC **A01**/MF **A01**

PB92-227271/REB
Guide for Conducting Treatability Studies under CERCLA: Soil Vapor Extraction. Interim Guidance.
PB92-227271/REB 92-04 PC **A05**/MF **A01**

PB92-227289/REB
Technology Evaluation Report: Ogden Circulating Bed Combustor at the McColl Superfund Site.
PB92-227289/REB 92-04 PC **A04**/MF **A01**

PB92-227313/REB
Environmental Gases.
PB92-227313/REB 92-04 PC **A06**/MF **A02**

PB92-227321/REB
Pilot-Scale Incineration of PCB-Contaminated Sediments from the Hot Spot of the New Bedford Harbor Superfund Site.
PB92-227321/REB 92-04 PC **A02**/MF **A01**

PB92-227339/REB
Removal of Creosote from Soil by Bioslurry Reactors.
PB92-227339/REB 92-04 PC **A03**/MF **A01**

PB92-227347/REB
Some Constitutive Modifiers of the Kinetic and Dynamic Behavior of Non-Essential Metals.
PB92-227347/REB 92-04 PC **A03**/MF **A01**

PB92-227354/REB
Hepatic Microsomal N-hydroxylation of Aniline and 4-chloroaniline by Rainbow Trout 'Onchorhyncus mykiss'.
PB92-227354/REB 92-04 PC **A03**/MF **A01**

PB92-227362/REB
Comparison of SIMCA Pattern Recognition and Library Search Identification of Hazardous Compounds from Mass Spectra.
PB92-227362/REB 92-04 PC **A03**/MF **A01**

PB92-227370/REB
Apportionment of Residential Indoor Aerosol, VOC, and Aldehyde Species to Indoor and Outdoor Sources, and Their Source Strengths.
PB92-227370/REB 92-04 PC **A02**/MF **A01**

PB92-227388/REB
Control Technologies for Remediation of Contaminated Soil and Waste Deposits at Superfund Lead Battery Recycling Sites.
PB92-227388/REB 92-04 PC **A03**/MF **A01**

PB92-227396/REB
Permeation Resistance of Glove Materials to Agricultural Pesticides.
PB92-227396/REB 92-04 PC **A03**/MF **A01**

PB92-227404/REB
Probability of Plume Interception Using Conditional Simulation of Hydraulic Head and Inverse Modeling.
PB92-227404/REB 92-04 PC **A03**/MF **A01**

PB92-227412/REB
Application of the EPR Spin-Trapping Technique to the Detection of Radicals Produced in vivo during Inhalation Exposure of Rats to Ozone.
PB92-227412/REB 92-04 PC **A02**/MF **A01**

PB92-227420/REB
Reduction of Neutrophil Influx Diminishes Lung Injury and Mortality Following Phosgene Inhalation.
PB92-227420/REB 92-04 PC **A03**/MF **A01**

PB92-227438/REB
Interspecies Cytogenetic Comparisons: Studies with X-Radiation and Bleomycin Sulfate.
PB92-227438/REB 92-04 PC **A03**/MF **A01**

PB92-227446/REB
Evaluation and Comparison of Spatial Interpolators.
PB92-227446/REB 92-04 PC **A03**/MF **A01**

PB92-227453/REB
Relationship between Free Liquids and Solids Content for Sewage Sludges.
PB92-227453/REB 92-04 PC **A03**/MF **A01**

PB92-227461/REB
Information Integration for Environmental Monitoring and Assessment: An Annotated Bibliography.
PB92-227461/REB 92-04 PC **A03**/MF **A01**

PB92-227479/REB
Metals in Ground Water: Sampling Artifacts and Reproducibility.
PB92-227479/REB 92-04 PC **A03**/MF **A01**

PB92-227487/REB
Acquisition of Representative Ground Water Quality Samples for Metals.
PB92-227487/REB 92-04 PC **A03**/MF **A01**

PB92-227495/REB
Age-Related Percutaneous Penetration of 2-sec-Butyl-4-6-Dinitrophenol (Dinoseb) in Rats.
PB92-227495/REB 92-04 PC **A03**/MF **A01**

PB92-227503/REB
Effects of Trimethyltin on Repeated Acquisition (Learning) in the Radial-Arm Maze.
PB92-227503/REB 92-04 PC **A03**/MF **A01**

PB92-227529/REB
Corticosterone Hypersecretion in Preweanling Rats Exposed Neonatally to Trimethyltin.
PB92-227529/REB 92-04 PC **A02**/MF **A01**

PB92-227537/REB
Deposition Patterns of Ragweed Pollen in the Human Respiratory Tract.
PB92-227537/REB 92-04 PC **A02**/MF **A01**

PB92-227545/REB
Carcinogenic Risk of Non-Uniform Alpha Particle Irradiation in the Lungs: Radon Progeny Effects at Bronchial Bifurcations.
PB92-227545/REB 92-04 PC **A02**/MF **A01**

PB92-227552/REB
Carboxyhemoglobin and Brain Blood Flow in Humans.
PB92-227552/REB 92-04 PC **A02**/MF **A01**

PB92-227560/REB
Letters to the Editor.
PB92-227560/REB 92-04 PC **A01**/MF **A01**

PB92-227578/REB
Human Carcinogenesis by Arsenic.
PB92-227578/REB 92-04 PC **A02**/MF **A01**

PB92-227586/REB
Quantitative Image Cytometry of Hepatocytes Expressing Gamma-Glutamyl Transpeptidase and Glutathione S-Transferase in Diethylnitrosamine-Initiated Rats Treated with Phenobarbitol and/or Phthalate Esters.
PB92-227586/REB 92-04 PC **A03**/MF **A01**

PB92-227594/REB
Genotoxicity of Industrial Wastes and Effluents. A Review.
PB92-227594/REB 92-04 PC **A03**/MF **A01**

PB92-227602/REB
Fetal and Maternal Effects of Continual Exposure of Rats to 970-MHz Circularly-Polarized Microwaves.
PB92-227602/REB 92-04 PC **A03**/MF **A01**

PB92-227610/REB
Reply to 'Selective Development Toxicity: Misuse of the Concept via Mis-Application of a Mis-Defined 'A/D Ratio'. (Letter to the Editor).
PB92-227610/REB 92-04 PC **A01**/MF **A01**

PB92-227628/REB
DNA Adduct Formation by 12 Chemicals with Populations Potentially Suitable for Molecular Epidemiological Studies.
PB92-227628/REB 92-04 PC **A04**/MF **A01**

PB92-227636/REB
Status of Pesticides in Reregistration and Special Review (Rainbow Report).
PB92-227636/REB 92-04 PC **A14**/MF **A03**

PB92-227677/REB
Control of VOC Emissions from Nonferrous Metal Rolling Processes.
PB92-227677/REB 92-04 PC **A05**/MF **A01**

PB92-227800/REB
National Water Quality Inventory: 1990 Report to Congress.
PB92-227800/REB 92-04 PC **A11**/MF **A03**

PB92-228048/REB
U.S. EPA Nonpoint Source Information Exchange Computer Bulletin Board System (BBS). User's Manual.
PB92-228048/REB 92-04 PC **A04**/MF **A01**

PB92-228436/REB
Pollution Prevention Opportunity Assessment Histology Laboratory Xylene Use, Fort Carson, Colorado.
PB92-228436/REB 92-04 PC **A05**/MF **A01**

PB92-230358/REB
BEN: A Model to Calculate the Economic Benefit of Noncompliance. User's Manual.
PB92-230358/REB 92-04 PC **A08**/MF **A02**

PB92-230366/REB
ABEL. User's Manual.
PB92-230366/REB 92-04 PC **A08**/MF **A02**

PB92-231083/REB
Protecting Endangered Species: Interim Measures, Wilson County, Tennessee.
PB92-231083/REB 92-04 PC **A01**/MF **A01**

PB92-231091/REB
Protecting Endangered Species: Interim Measures, Franklin County, Tennessee.
PB92-231091/REB 92-04 PC **A01**/MF **A01**

PB92-231109/REB
Protecting Endangered Species: Interim Measures, Avery County, North Carolina.
PB92-231109/REB 92-04 PC **A01**/MF **A01**

PB92-231117/REB
Protecting Endangered Species: Interim Measures. Decatur County, Georgia.
PB92-231117/REB 92-04 PC **A01**/MF **A01**

PB92-231125/REB
Volunteer Lake Monitoring Program, 1991. Volume 7. Southern Region.
PB92-231125/REB 92-04 PC **A05**/MF **A01**

PB92-231174/REB
Radioactive Site Remediation Technologies Seminar. Speaker Slide Copies.
PB92-231174/REB 92-04 PC **A04**/MF **A01**

PB92-231182/REB
Pesticide Reregistration.
PB92-231182/REB 92-04 PC **A03**/MF **A01**

PB92-231240/REB
Suspended, Cancelled, and Restricted (SCR) Pesticides.
PB92-231240/REB 92-04 PC **A06**/MF **A02**

PB92-231281/REB
Guide for Conducting Treatability Studies under CERCLA: Soil Vapor Extraction. Quick Reference Fact Sheet.
PB92-231281/REB 92-04 PC **A02**/MF **A01**

PB92-231299/REB
Chemical Dehalogenation Treatability Studies under CERCLA: An Overview.
PB92-231299/REB 92-04 PC **A02**/MF **A01**

PB92-231307/REB
Guide for Conducting Treatability Studies under CERCLA: Chemical Dehalogenation. Final Report.
PB92-231307/REB 92-04 PC **A05**/MF **A01**

PB92-231315/REB
Retech, Inc., Plasma Centrifugal Furnace: Applications Analysis Report.
PB92-231315/REB 92-04 PC **A04**/MF **A01**

PB92-231356/REB
Application of Dye-Tracing Techniques for Determining Solute-Transport Characteristics of Ground Water in Karst Terranes.
PB92-231356/REB 92-04 PC **A06**/MF **A02**

PB92-231489/REB
Biological Criteria: Guide to Technical Literature.
PB92-231489/REB 92-04 PC **A07**/MF **A02**

PB92-231497/REB
Biological Criteria: National Program Guidance for Surface Waters.
PB92-231497/REB 92-04 PC **A04**/MF **A01**

PB92-231505/REB
Proceedings of a Symposium: Biological Criteria Research and Regulation. Held in Arlington, Virginia on December 12-13, 1990.
PB92-231505/REB 92-04 PC **A09**/MF **A02**

PB92-231513/REB
Biological Criteria: State Development and Implementation Efforts.
PB92-231513/REB 92-04 PC **A03**/MF **A01**

PB92-231521/REB
Briefing Report to the EPA Science Advisory Board on the Equilibrium Partitioning Approach to Generating Sediment Quality Criteria.
PB92-231521/REB 92-04 PC **A08**/MF **A02**

PB92-231539/REB
Consumption Surveys for Fish and Shellfish. A Review and Analysis of Survey Methods.
PB92-231539/REB 92-04 PC **A04**/MF **A01**

PB92-231547/REB
Contaminated Sediments: Relevant Statutes and EPA Program Activities.
PB92-231547/REB 92-04 PC **A07**/MF **A02**

PB92-231562/REB
Development Document for Interim Final and Proposed Effluent Limitations Guidelines and Proposed New Source Performance Standards for the Bleached Kraft, Groundwood, Sulfite, Soda, Deink, and Non-Integrated Paper Mills. Point Source Category. Volume 2. Sections 8 - 15.
PB92-231562/REB 92-04 PC **A13**/MF **A03**

PB92-231570/REB
Dynamic Toxics Wasteload Allocation Model (DINTOX). User's Manual.
PB92-231570/REB 92-04 PC **A05**

PB92-231588/REB
EPA's Review and Approval Procedure for State Submitted TMDLs/WLAs.
PB92-231588/REB 92-04 PC **A03**/MF **A01**

PB92-231604/REB
Guidance for State Implementation of Water Quality Standards for CWA Section 303(C)(2)(B).
PB92-231604/REB 92-04 PC **A03**/MF **A01**

PB92-231612/REB
Guidance for State Water Monitoring and Wasteload Allocation Programs.
PB92-231612/REB 92-04 PC **A04**/MF **A01**

PB92-231620/REB
Guidance for Water Quality-Based Decisions: The TMDL Process.
PB92-231620/REB 92-04 PC **A04**/MF **A01**

PB92-231638/REB
Guidance Manual for Pulp, Paper, and Paperboard and Builders' Paper and Board Mills Pretreatment Standards.
PB92-231638/REB 92-04 PC **A04**/MF **A01**

PB92-231646/REB
Introduction to Water Quality Standards.
PB92-231646/REB 92-04 PC **A03**/MF **A01**

PB92-231653/REB
Managing Contaminated Sediments. EPA Decision-Making Processes.
PB92-231653/REB 92-04 PC **A04**/MF **A01**

PB92-231661/REB
Reference Guide to Water Quality Standards for Indian Tribes.
PB92-231661/REB 92-04 PC **A03**/MF **A01**

PB92-231679/REB
Sediment Classification Methods Compendium.
PB92-231679/REB 92-04 PC **A13**/MF **A03**

PB92-231687/REB
Special Interest Group (SIG) Forum for Fish Consumption Risk Management. User's Manual, v.1.0: A Division of the Nonpoint Source Information Exchange Computer Bulletin Board System (NPS BBS).
PB92-231687/REB 92-04 PC **A04**/MF **A01**

PB92-231695/REB
Status Report: State Compliance with CWA Section 303(c)(2)(B) as of February 4, 1990.
PB92-231695/REB 92-04 PC **A05**/MF **A01**

PB92-231703/REB
Summary of Available Information on the Levels and Control of Toxic Pollutants Discharges in the Printing and Publishing Point Source Category.
PB92-231703/REB 92-04 PC **A08**/MF **A02**

PB92-231729/REB
Technical Guidance Manual for Performing Waste Load Allocations. Book 3: Estuaries. Part 1: Estuaries and Waste Load Allocation Models.
PB92-231729/REB 92-04 PC **A05**/MF **A01**

PB92-231737/REB
Technical Guidance Manual for Performing Waste Load Allocations. Book 3: Estuaries. Part 2: Application of Estuarine Waste Load Allocation Models.
PB92-231737/REB 92-04 PC **A06**/MF **A02**

PB92-231745/REB
Technical Guidance Manual for Performing Waste Load Allocations. Book 3: Estuaries. Part 3: Use of Mixing Zone Models in Estuarine Waste Load Allocations.
PB92-231745/REB 92-04 PC **A03**/MF **A01**

PB92-231752/REB
Technical Guidance Manual for Performing Waste Load Allocations. Book 3: Estuaries. Part 4: Critical Review of Estuarine WLA Modeling.
PB92-231752/REB 92-04 PC **A04**/MF **A01**

PB92-231760/REB
Technical Guidance Manual for Performing Waste Load Allocations. Book 4. Lakes, Reservoirs and Impoundments. Chapter 3: Toxic Substances Impact.
PB92-231760/REB 92-04 PC **A14**/MF **A03**

PB92-231778/REB
Technical Guidance Manual for Performing Wasteload Allocation. Book 6. Design Conditions. Chapter 1: Stream Design Flow for Steady-State Modeling.
PB92-231778/REB 92-04 PC **A04**/MF **A01**

PB92-231786/REB
Technical Guidance Manual for Performing Waste Load Allocations: Simplified Analytical Method for Determining NPDES Effluent Limitations for POTWs Discharging into Low-Flow Streams.
PB92-231786/REB 92-04 PC **A04**/MF **A01**

PB92-231794/REB
Technical Support Manual: Waterbody Surveys and Assessments for Conducting Use Attainability Analyses.
PB92-231794/REB 92-04 PC **A10**/MF **A03**

PB92-231802/REB
Technical Support Manual: Waterbody Surveys and Assessments for Conducting Use Attainability Analyses. Volume 3: Lake Systems.
PB92-231802/REB 92-04 PC **A10**/MF **A03**

PB92-231810/REB
Proceedings of a National Conference: Water Quality Standards for the 21st Century. Held in Dallas, Texas on March 1-3, 1989.
PB92-231810/REB 92-04 PC **A11**/MF **A03**

PB92-231828/REB
Proceedings of a Conference: Water Quality Standards for the 21st Century. Held in Arlington, Virginia, on December 10-12, 1990.
PB92-231828/REB 92-04 PC **A12**/MF **A03**

PB92-231836/REB
Compilation of Water Quality Standards for Marine Waters.
PB92-231836/REB 92-04 PC **A99**

PB92-231844/REB
Technical Guidance on Supplementary Stream Design Conditions for Steady State Modeling.
PB92-231844/REB 92-04 PC **A05**/MF **A01**

PB92-231851/REB
Water Quality Standards Handbook.
PB92-231851/REB 92-04 PC **A12**/MF **A03**

PB92-231869/REB
Development Document for Interim Final and Proposed Effluent Limitations Guidelines and Proposed New Source Performance Standards for the Bleached Kraft, Groundwood, Sulfite, Soda, Deink and Non-Integrated Paper Mills. Volume 1. Segment of the Pulp, Paper, and Paperboard. Point Source Category. Group 1. Phase 2.
PB92-231869/REB 92-04 PC **A20**/MF **A04**

PB92-231877/REB
Technical Support Manual: Waterbody Surveys and Assessments for Conducting Use Attainability Analyses. Volume 2: Estuarine Systems.
PB92-231877/REB 92-04 PC **A09**/MF **A02**

PB92-231893/REB
Cost-Effectiveness Analysis of Effluent Standards and Limitations for Battery Manufacturing.
PB92-231893/REB 92-04 PC **A03**/MF **A01**

PB92-231901/REB
Economic Impact Analysis of Effluent Limitations and Standards for the Battery Manufacturing Industry.
PB92-231901/REB 92-04 PC **A08**/MF **A02**

PB92-231919/REB
Development Document for Interim Final Effluent Limitations Guidelines and Proposed New Source Performance Standards for the Calcium Carbide Segment of the Ferroally Manufacturing Point Source Category. Group 1, Phase 2.
PB92-231919/REB 92-04 PC **A05**/MF **A01**

PB92-231927/REB
Guidance Document for Effluent Discharges from the Auto and Other Laundries. Point Source Category.
PB92-231927/REB 92-04 PC **A09**/MF **A03**

PB92-231943/REB
Guidance Development Document for Effluent Limitations Guidelines and New Source Performance Standards for the Concrete Products. Point Source Category.
PB92-231943/REB 92-04 PC **A08**/MF **A02**

PB92-231950/REB
Development Document for Interim Final Effluent Limitations Guidelines and Proposed New Source Performance Standards for the Explosives Manufacturing. Point Source Category. Group 2.
PB92-231950/REB 92-04 PC **A11**/MF **A03**

PB92-231968/REB
Development Document for Interim Final Effluent Limitations Guidelines and Proposed New Source Performance Standards for the Raw Cane Sugar Processing. Segment of the Sugar Processing. Point Source Category. Group 1, Phase 2.
PB92-231968/REB 92-04 PC **A14**/MF **A03**

PB92-231976/REB
Method 1624: Volatile Organic Compounds by Isotope Dilution GCMS; Method 1625: Semivolatile Organic Compounds by Isotope Dilution GCMS.
PB92-231976/REB 92-04 PC **A05**/MF **A01**

PB92-231984/REB
Development Document for Proposed Effluent Limitations Guidelines and Standards for Control of Polychlorinated Biphenyls in the Deink Subcategory of the Pulp, Paper and Paperboard. Point Source Category.
PB92-231984/REB 92-04 PC **A05**/MF **A01**

PB92-231992/REB
Developmental Document for Effluent Limitations Guidelines and New Source Performance Standards for the Other Non-Fertilizer Phosphate Chemicals Segment of the Phosphate Manufacturing. Point Source Category. Group 1, Phase 2.
PB92-231992/REB 92-04 PC **A06**/MF **A02**

PB92-232008/REB
Supplement of Development Document Effluent Limitations, Guidelines New Source Performance Standards Reprint for the Renderer Segment of the Meat Products and Rendering. Point Source Category.
PB92-232008/REB 92-04 PC **A04**/MF **A01**

PB92-232016/REB
Development Document for Effluent Limitations. Guidelines for the Electrical and Electronic Components. Point Source Category. Phase 2.
PB92-232016/REB 92-04 PC **A09**/MF **A02**

PB92-232032/REB
Development Document for Proposed Effluent Limitations Guidelines and Standards for the Shipbuilding and Repair. Point Source Category.
PB92-232032/REB 92-04 PC **A07**/MF **A02**

PB92-232040/REB
Development Document for Effluent Limitations Guidelines and Standards for the Gum and Wood Chemicals Manufacturing. Point Source Category.
PB92-232040/REB 92-04 PC **A12**/MF **A03**

PB92-232057/REB
Guide for the Application of Effluent Limitations Guidelines for the Petroleum Refining Industry.
PB92-232057/REB 92-04 PC **A11**/MF **A03**

PB92-232065/REB
Development Document for Interim Final and Proposed Effluent Limitations Guidelines and New Source Performance Standards for the Fruits, Vegetables and Specialties. Segment of the Canned and Preserved Fruits and Vegetables. Point Source Category.
PB92-232065/REB 92-04 PC **A23**/MF **A04**

PB92-232149/REB
Health Advisory for Isopropyl Methylphosphonic Acid (IMPA).
PB92-232149/REB 92-04 PC **A03**/MF **A01**

PB92-232156/REB
Preliminary Data Summary for the Wood Preserving Segment of the Timber Products Processing Point Source Category.
PB92-232156/REB 92-04 PC **A07**/MF **A02**

PB92-232164/REB
Common Synonyms: For Chemicals Listed Under Section 313 of the Emergency Planning and Community Right-to-Know Act.
PB92-232164/REB 92-04 PC **A06**/MF **A02**

PB92-232172/REB
Solid Waste Contract Negotiation Handbook.
PB92-232172/REB 92-04 PC **A05**/MF **A01**

PB92-232198/REB
Is Your Drinking Water Safe.
PB92-232198/REB 92-04 PC **A03**/MF **A01**

PB92-232206/REB
Energy Use of Ice Making in Domestic Refrigerators.
PB92-232206/REB 92-04 PC **A03**/MF **A01**

PB92-232214/REB
Automated Aqueous Rotary Washer for the Metal Finishing Industry. Technology Evaluation Report.
PB92-232214/REB 92-04 PC **A04**/MF **A01**

PB92-232222/REB
Contaminants and Remedial Options at Wood Preserving Sites.
PB92-232222/REB 92-04 PC **A07**/MF **A02**

PB92-232305/REB
Evaporation Rate of Volatile Liquids. Final Report, Second Edition.
PB92-232305/REB 92-04 PC **A09**/MF **A02**

PB92-232339/REB
Bioremediation Case Studies: An Analysis of Vendor Supplied Data.
PB92-232339/REB 92-04 PC **A03**/MF **A01**

PB92-232347/REB
Bioremediation Case Studies: Abstracts.
PB92-232347/REB 92-04 PC **A12**/MF **A03**

PB92-232354/REB
Fundamentals of Ground-Water Modeling. Ground Water Issue.
PB92-232354/REB 92-04 PC **A03**/MF **A01**

PB92-232362/REB
Evaluation of Soil Venting Application. Ground Water Issue.
PB92-232362/REB 92-04 PC **A02**/MF **A01**

PB92-232370/REB
Direct/Delayed Response Project: Future Effects of Long-Term Sulfur Deposition on Stream Chemistry in the Mid-Appalachian Region of the Eastern United States.
PB92-232370/REB 92-04 PC **A18**/MF **A04**

PB92-232388/REB
Procuring Innovative Technologies at Remedial Sites: Q's and A's and Case Studies.
PB92-232388/REB 92-04 PC **A03**/MF **A01**

PB92-232396/REB
Citizen's Guide to Thermal Desorption.
PB92-232396/REB 92-04 PC **A02**/MF **A01**

PB92-232404/REB
Protecting Endangered Species: Interim Measures, Baker County, Georgia.
PB92-232404/REB 92-04 PC **A01**/MF **A01**

PB92-232412/REB
Protecting Endangered Species: Interim Measures, Culberson County, Texas.
PB92-232412/REB 92-04 PC **A01**/MF **A01**

PB92-232420/REB
Protecting Endangered Species: Interim Measures, El Paso County, Texas.
PB92-232420/REB 92-04 PC **A01**/MF **A01**

PB92-232438/REB
Protecting Endangered Species: Interim Measures, Monongalia County, West Virginia.
PB92-232438/REB 92-04 PC **A01**/MF **A01**

PB92-232446/REB
User's Guide for the Industrial Source Complex (ISC2) Dispersion Models.
PB92-232446/REB 92-04 PC **E99**/MF **E99**

PB92-232453/REB
User's Guide for the Industrial Source Complex (ISC2) Dispersion Models. Volume 1. User Instructions.
PB92-232453/REB 92-04 PC **A13**/MF **A03**

PB92-232461/REB
User's Guide for the Industrial Source Complex (ISC2) Dispersion Models. Volume 2: Description of Model Algorithms.
PB92-232461/REB 92-04 PC **A05**/MF **A01**

PB92-232479/REB
User's Guide for the Industrial Source Complex (ISC2) Dispersion Models. Volume 3: Guide to Programmers.
PB92-232479/REB 92-04 PC **A07**/MF **A02**

PB92-232487/REB
Protecting Endangered Species: Interim Measures, Hudspeth County, Texas.
PB92-232487/REB 92-04 PC **A01**/MF **A01**

PB92-232495/REB
Protecting Endangered Species: Interim Measures, Jackson County, Mississippi.
PB92-232495/REB 92-04 PC **A01**/MF **A01**

PB92-232503/REB
Protecting Endangered Species: Interim Measures, Towns County, Georgia.
PB92-232503/REB 92-04 PC **A01**/MF **A01**

PB92-232511/REB
Protecting Endangered Species. Interim Measures, Navajo County, Arizona.
PB92-232511/REB 92-04 PC **A01**/MF **A01**

PB92-232529/REB
Protecting Endangered Species: Interim Measures, Graham County, Arizona.
PB92-232529/REB 92-04 PC **A01**/MF **A01**

PB92-232537/REB
Protecting Endangered Species: Interim Measures, Carter County, Tennessee.
PB92-232537/REB 92-04 PC **A01**/MF **A01**

PB92-232545/REB
Protecting Endangered Species: Interim Measures, Austin County, Texas.
PB92-232545/REB 92-04 PC **A01**/MF **A01**

PB92-232552/REB
Protecting Endangered Species: Interim Measures, Sunflower County, Mississippi.
PB92-232552/REB 92-04 PC **A01**/MF **A01**

PB92-232560/REB
Protecting Endangered Species: Interim Measures, Dubuque County, Iowa.
PB92-232560/REB 92-04 PC **A01**/MF **A01**

PB92-232578/REB
Protecting Endangered Species: Interim Measures, Fayette County, Iowa.
PB92-232578/REB 92-04 PC **A01**/MF **A01**

PB92-232586/REB
Protecting Endangered Species: Interim Measures, Habersham County, Georgia.
PB92-232586/REB 92-04 PC **A01**/MF **A01**

PB92-232594/REB
Protecting Endangered Species: Interim Measures, Rabun County, Georgia.
PB92-232594/REB 92-04 PC **A01**/MF **A01**

PB92-232602/REB
Protecting Endangered Species: Interim Measures, Cochise County, Arizona.
PB92-232602/REB 92-04 PC **A01**/MF **A01**

PB92-232610/REB
Protecting Endangered Species: Interim Measures, Bolivar County, Mississippi.
PB92-232610/REB 92-04 PC **A01**/MF **A01**

PB92-232628/REB
Protecting Endangered Species: Interim Measures, Clayton County, Iowa.
PB92-232628/REB 92-04 PC **A01**/MF **A01**

PB92-232636/REB
Protecting Endangered Species: Interim Measures, Coconino County, Arizona.
PB92-232636/REB 92-04 PC **A01**/MF **A01**

PB92-232644/REB
Protecting Endangered Species: Interim Measures, Aransas County, Texas.
PB92-232644/REB 92-04 PC **A01**/MF **A01**

PB92-232651/REB
Protecting Endangered Species: Interim Measures, Mitchell County, North Carolina.
PB92-232651/REB 92-04 PC **A01**/MF **A01**

PB92-232669/REB
Protecting Endangered Species: Interim Measures, Mohave County, Arizona.
PB92-232669/REB 92-04 PC **A01**/MF **A01**

PB92-232677/REB
Protecting Endangered Species: Interim Measures, Yavapai County, Arizona.
PB92-232677/REB 92-04 PC **A01**/MF **A01**

PB92-232685/REB
Protecting Endangered Species: Interim Measures, Burke County, Georgia.
PB92-232685/REB 92-04 PC **A01**/MF **A01**

PB92-232693/REB
Protecting Endangered Species: Interim Measures, Wheeler County, Georgia.
PB92-232693/REB 92-04 PC **A01**/MF **A01**

PB92-232701/REB
Protecting Endangered Species: Interim Measures, Sumter County, Georgia.
PB92-232701/REB 92-04 PC **A01**/MF **A01**

PB92-232719/REB
Protecting Endangered Species: Interim Measures, Colorado County, Texas.
PB92-232719/REB 92-04 PC **A01**/MF **A01**

PB92-232727/REB
Protecting Endangered Species: Interim Measures, Floyd County, Georgia.
PB92-232727/REB 92-04 PC **A01**/MF **A01**

PB92-232735/REB
Protecting Endangered Species: Interim Measures, Davidson County, Tennessee.
PB92-232735/REB 92-04 PC **A01**/MF **A01**

PB92-232743/REB
Protecting Endangered Species: Interim Measures, Gordon County, Georgia.
PB92-232743/REB 92-04 PC **A01**/MF **A01**

PB92-232750/REB
Protecting Endangered Species: Interim Measures, Dooly County, Georgia.
PB92-232750/REB 92-04 PC **A01**/MF **A01**

PB92-232768/REB
Protecting Endangered Species: Interim Measures, Henderson County, North Carolina.
PB92-232768/REB 92-04 PC **A01**/MF **A01**

PB92-232776/REB
Protecting Endangered Species: Interim Measures, Lee County, Georgia.
PB92-232776/REB 92-04 PC **A01**/MF **A01**

PB92-232784/REB
Assessment of Host Resistance to Infection with Rodent Malaria.
PB92-232784/REB 92-04 PC **A03**/MF **A01**

PB92-232792/REB
Ozone-Induced Inflammatory Response in Pulmonary Cells.
PB92-232792/REB 92-04 PC **A04**/MF **A01**

PB92-232800/REB
Assessment of Immunotoxicity with the Parasitic Infection Model 'Trichinella spiralis'.
PB92-232800/REB 92-04 PC **A03**/MF **A01**

PB92-232818/REB
Role of Motor Activity in the Asssessment of Neurotoxicity.
PB92-232818/REB 92-04 PC **A03**/MF **A01**

PB92-232826/REB
Utility of Activity and Observational Data for Neurotoxicity Screening.
PB92-232826/REB 92-04 PC **A03**/MF **A01**

PB92-232834/REB
Toxicity Reduction Evaluation at a Municipal Wastewater Treatment Plant Using Mutagenicity as an Endpoint.
PB92-232834/REB 92-04 PC **A02**/MF **A01**

PB92-232842/REB
Immature Rat Leydig Cells are Intrinsically Less Sensitive Than Adult Leydig Cells to Ethane Dimethanesulfonate.
PB92-232842/REB 92-04 PC **A03**/MF **A01**

PB92-232859/REB
New Methods for the Assessment of Immunotoxicity of Chemical Substances.
PB92-232859/REB 92-04 PC **A02**/MF **A01**

PB92-232867/REB
Effects of PCB (Aroclor (Trade Name) 1254) on Non-Specific Immune Parameters in Rhesus ('Macaca mulatta') Monkeys.
PB92-232867/REB 92-04 PC **A03**/MF **A01**

PB92-232875/REB
Age-Dependent Changes in Activity of Mallard Plasma Cholinesterases.
PB92-232875/REB 92-04 PC **A01**/MF **A01**

PB92-232883/REB
Climate Change in Thailand and Its Potential Impact on Rice Yield.
PB92-232883/REB 92-04 PC **A03**/MF **A01**

PB92-232891/REB
Carbon Storage Potential of Short Rotation Tropical Tree Plantations.
PB92-232891/REB 92-04 PC **A03**/MF **A01**

PB92-232909/REB
Toward a Rule-Based Biome Model (Journal Article).
PB92-232909/REB 92-04 PC **A03**/MF **A01**

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Biological Diversity and Biological Integrity: Current Concerns for Lakes and Streams.
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Infrared Spectroscopy-Based Property-Reactivity Correlations for Predicting Environmental Fate of Organic Chemicals.
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Role of Property-Reactivity Relationships in Meeting the EPA's Needs for Environmental Fate Constants.
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Technical Support Document to Aid States with the Development of Carbon Monoxide State Implementation Plans.
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Selecting Priority Nonpoint Source Projects: You Better Shop Around.
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Citizen's Guide to In situ Soil Flushing.
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Superfund Innovative Technology Evaluation Program: Spring Update to the Technology Profiles. Fourth Edition.
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RED Facts: 'Allium sativum' (Garlic).
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EPA's Pesticide Programs.
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National Estuary Program After Four Years: A Report to Congress.
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Handbook of RCRA Ground-Water Monitoring Constituents: Chemical and Physical Properties (40 CFR Part 264, Appendix 9).
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Forum on Innovative Hazardous Waste Treatment Technologies (3rd): Domestic and International. Held in Dallas, Texas on June 11-13, 1991. Abstract Proceedings.
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Evaluation of Soil Venting Application. Ground Water Issue.
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PB92-235613/REB
Superfund Innovative Technology Evaluation (SITE): Demonstration Bulletin. Flame Reactor, Horsehead Resource Development Company, Inc.
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PB92-235621/REB
RED Facts: Putrescent Whole Egg Solids.
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PB92-235639/REB
RED Facts: Alkyl Amine Hydrochloride.
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PB92-235647/REB
RACT/BACT/LAER Clearinghouse: A Compilation of Control Technology Determinations. Second Supplement to the 1990 Edition.
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Waste Reduction Activities and Options for a Nuclear Powered Electrical Generating Station.
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Rotating Biological Contactors. Engineering Bulletin.
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Biologic Markers in Pulmonary Toxicology.
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PB92-238351/REB
Biologic Markers in Immunotoxicology.
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PB92-238468/REB
Control Technology Center FY91: A Fifth Year of Growth.
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Waste Reduction Activities and Options for a Local Board of Education in New Jersey.
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PB92-238484/REB
Pesticide Fact Sheet Number 235: 'Bacillus subtilis' GB03.
PB92-238484/REB 92-04 PC **A02**/MF **A01**

PB92-238492/REB
Pesticide Fact Sheet Number 237: Oxadoxyl. (New Chemical Registration).
PB92-238492/REB 92-04 PC **A02**/MF **A01**

PB92-238500/REB
Pesticide Fact Sheet Number 238: 'Pseudomonas fluorescens' and 'Pseudomonas syringae' Strains.
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PB92-238518/REB
Risk Assessment, Management, Communication: A Guide to Selected Sources Volume 4, Number 2.
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PB92-238526/REB
Reregistration Eligibility Document (RED): Indole-3-Butyric Acid. (List B, Case 2330).
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Ozone Disinfection and Treatment of Urban Storm Drain Dry-Weather Flows: A Pilot Treatment Plant Demonstration Project on the Kenter Canyon Storm Drain System in Santa Monica.
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Volunteer Lake Monitoring Program, 1991. *Volume 4: West-Central Illinois Region.*
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Reference Guide to Odor Thresholds for Hazardous Air Pollutants Listed in the Clean Air Act Amendments of 1990.
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Health Assessment Document for Talc.
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Detecting Water Flow Behind Pipe in Injection Wells.
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Operations and Research at the U.S. EPA Incineration Research Facility: Annual Report for FY91.
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EMPA Monitor - March 1992 Edition.
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Andrew W. Breidenbach Environmental Research Center Small Systems Resource Directory.
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Data User's Guide to the United States Environmental Protection Agency's Long-Term Monitoring Project: Quality Assurance Plan and Data Dictionary.
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Toxic Release Inventory (TRI) 1987-1989, (on CD-ROM).
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PA-Score (Preliminary Assessment Score), Version 1.0 (for Microcomputers).
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Permit Tracking System (PTS), Version 1.0 (for Microcomputers).
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PB92-500354/REB
Volatile Organic Compound and Particulate Matter (VOC/PM) Speciation Data Base Management System (SPECIATE), Version 1.4 (for Microcomputers).
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Natural Enemy Risk Assessment (NERISK) (for Microcomputers).
PB92-500446/REB 92-01 CP **D06**

PB92-500453/REB
Aquatic Toxicity Information Retrieval Data Base (AQUIRE).
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PB92-500479/REB
Aquatic Toxicity Information on VAX VMS Backup (AQUIRE for VMS).
PB92-500479/REB 92-01 CP **T02**

PB92-500842/REB
Regional Oxidant Model (ROM), (Source Code Only) (Version 2.1).
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Regional Oxidant Model (ROM), Source Code and Test Data (Version 2.1).
PB92-500859/REB 92-01 MagTape$4000.00

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National Acid Precipitation Assessment Program (NAPAP) Emissions Inventory, 1985 (Version 2). Development of the Annual Data and Modelers' (for Microcomputers).
PB92-501139/REB 92-01 CP **D04**

PB92-501212/REB
Hazardous Air Pollutant Program (HAP-PRO). Version 1 (for Microcomputers).
PB92-501212/REB 92-01 CP **D03**

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RETC Code for Quantifying the Hydraulic Functions of Unsaturated Soils (for Microcomputers).
PB92-501329/REB 92-01 CP **D02**

PB92-501386/REB
Toxic Substances Control Act (TSCA) Chemical Substances Inventory: Revised Inventory Synonym and Preferred Name File, January 1992.
PB92-501386/REB 92-01 CP **T05**

PB92-501436/REB
Standardized Costs for Water Supply Distribution (for Microcomputers).
PB92-501436/REB 92-01 CP **D02**

PB92-501501/REB
Organic Contract Compliance Screening System (OCCSS) Software (SOW February 1988) (for Microcomputers).
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PB92-501519/REB
Inorganic Contract Compliance Screening System (ICCSS) Software (SOW March 1990) (Version 1) (for Microcomputers).
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Organic Contract Compliance Screening System (OCCSS) Software (SOW March 1990) (Version 1) (for Microcomputers).
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Organic Contract Compliance Screening System (OCCSS) Software (SOW OLM01.8 Version January 1992) (Version 1) (for Microcomputers).
PB92-501535/REB 92-01 CP **D02**

PB92-501626/REB
Crosswalk/Air Toxic Emission Factor Data Base Management System (XATEF), (Version 1.2) (for Microcomputers).
PB92-501626/REB 92-01 CP **D02**

PB92-501774/REB
Consolidated List of Chemical Subject to Reporting under the Emergency Planning and Community Right to Know Act. SARA Section 302 Extremely Hazardous Substances, CERCL Hazardous Substances and SARA Section 313 Toxic Chemicals (Title III, List of Lists) (for Microcomputers).
PB92-501774/REB 92-01 CP **D02**

PB92-501816/REB
Toxic Release Inventory (TRI), 1990.
PB92-501816/REB 92-01 CP **T14**

PB92-501873/REB
Protein Adducts for Exposure Monitoring: A Computerized Database (CPAD) (Version 1) (for Microcomputers).
PB92-501873/REB 92-01 CP **D02**

PB92-501899/REB
Complex Effluent Toxicity Information System (CETIS) (for Microcomputers).
PB92-501899/REB 92-01 CP **D04**

PB92-501972/REB
Roadmaps to Sources of Information on Chemicals Listed in the Emergency Planning Community and Community Right-to-Know Act (Also Known as SARA Title 3), Section 313, Toxic Release Inventory (for Microcomputers).
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PB92-502202/REB
Organic Contract Compliance Screening System (OCCSS) Software (OLM01.8 Version 2) (for Microcomputers).
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Electrostatic Precipitator V-I (ESPVI 4.0) and Performance Prediction Model (for Microcomputers).
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Fish and Chemistry Data for the Upper Peninsula of Michigan Report (for Microcomputers).
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Statistical Approach to Predicting Chronic Toxicity of Chemicals to Fishes from Acute Toxicity Test Data (for Microcomputers).
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Preliminary Ranking Evaluation Score (PREscore) Version 1.1 (for Microcomputers).
PB92-503507/REB 92-04 CP **D02**

PB92-504174/REB
Staten Island/New Jersey Urban Air Toxics Assessment Project. Quarterly and Summary Data (for Microcomputers). October 1987-March 1991.
PB92-504174/REB 92-04 CP **D02**

PB92-504356/REB
General Information on Applying for Registration of Pesticides in the United States. Second Edition (for Microcomputers).
PB92-504356/REB 92-04 CP **D02**

PB92-592210/REB
Enforcement Document Retrieval System (EDRS) - ASCII (1972-November 1991).
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Enforcement Document Retrieval System (EDRS) - EBCDIC (1972-November 1991).
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Resource Conservation and Recovery Information System (RCRIS) Extract Tape.
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Enforcement Document Retrieval System (EDRS) Master File (1972-April 1992).
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PB92-592390/REB
Enforcement Document Retrieval System (EDRS) Update File (November 14, 1991 to April 22, 1992).
PB92-592390/REB 92-01 CP **T99**

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America's Ecological Report Card: Environmental Monitoring and Assessment Program (EMAP) (Video).
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Pesticide Applicator Training Materials: A Bibliography.
PB92-780873/REB 92-01 PC**$97.50**/MF**$42.50**

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EPA (Environmental Protection Agency) Publications Bibliography, Quarterly Abstract Bulletin.
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Pesticide Compact Label File - 1990 Updates.
PB92-911600/REB 92-01 Subscription

PB92-911699/REB
Compact Label File - 1992 (Fiche 1 - 5281).
PB92-911699/REB 92-01 MF**$2640.00**

PB92-921100/REB
Health Effects Assessment Summary Tables.
PB92-921100/REB 92-01 Standing Order

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Environmental Protection Agency Civil Enforcement Docket.
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RCRA, Superfund Monthly Hot Line Reports.
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Superfund: Program Policies and Administration.
PB92-963200/REB 92-01 Standing Order

PB92-963201/REB
Implementation of the Superfund Alternative Remedial Contracting Strategy (ARCS): Report of the Administrator's Task Force. Implementation Plan.
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OSWER Superfund Telephone Directory, October 1991.
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National Priorities List Sites: Indiana.
PB92-963249/REB 92-01 PC **A06**/MF **A02**

PB92-963250/REB
National Priorities List Sites: Florida.
PB92-963250/REB 92-01 PC **A08**/MF **A02**

PB92-963251/REB
National Priorities List Sites: Alaska.
PB92-963251/REB 92-01 PC **A04**/MF **A01**

PB92-963252/REB
Superfund: Focusing on the Nation at Large. 1991 Update.
PB92-963252/REB 92-01 PC **A05**/MF **A01**

PB92-963253/REB
National Priorities List Sites Set (1991).
PB92-963253/REB 92-01 PC **E99**/MF **E99**

PB92-963255/REB
Superfund: Reporting on Cleanup Activities through Environmental Indicators. FY 1991 Update.
PB92-963255/REB 92-01 PC **A03**/MF **A01**

PB92-963256/REB
Progress Toward Implementing *Superfund*, Fiscal Year 1990: A Report to the Congress.
PB92-963256/REB 92-01 PC **E05**/MF **A04**

PB92-963257/REB
Superfund Contracts Management Issues.
PB92-963257/REB 92-01 PC **A02**/MF **A01**

PB92-963258/REB
Implementation of the Alternative Remedial Contracting Strategy (ARCS) Task Force Recommendations: Transmittal of the Implementation Plan.
PB92-963258/REB 92-01 PC **A01**/MF **A01**

PB92-963259/REB
Regional Pilot Projects and Initiatives.
PB92-963259/REB 92-01 PC **A01**/MF **A01**

PB92-963260/REB
Congressional Limits for FY 92 Alternative Remedial Contracting Strategy (ARCS) Program Management Costs.
PB92-963260/REB 92-01 PC **A01**/MF **A01**

PB92-963261/REB
National Oil and Hazardous Substances Pollution Contingency Plan (The NCP).
PB92-963261/REB 92-01 PC **A15**/MF **A03**

PB92-963262/REB
Superfund Policy Forum Update, Volume 1, Number 1, February 1992.
PB92-963262/REB 92-01 PC **A02**/MF **A01**

PB92-963263/REB
Superfund Accelerated Cleanup Model (SACM).
PB92-963263/REB 92-01 PC **A03**/MF **A01**

PB92-963264/REB
OSWER Superfund Telephone Directory, May 1992.
PB92-963264/REB 92-01 PC **E02**

PB92-963265/REB
Superfund Progress, Spring 1992.
PB92-963265/REB 92-01 PC **A03**/MF **A01**

PB92-963266/REB
Correction of FY-92 Superfund Program Management Manual Definitions.
PB92-963266/REB 92-01 PC **A01**/MF **A01**

PB92-963267/REB
Superfund Progress - Aficionado's Version (Progress as of March 31, 1992).
PB92-963267/REB 92-01 PC **A03**/MF **A01**

PB92-963272/REB
Smart Moves in Superfund - Regional Initiatives. Volume 1, Number 1, February 1992.
PB92-963272/REB 92-04 PC **A01**/MF **A01**

PB92-963273/REB
Regional Pilots and Applications of *Superfund Accelerated* Cleanup Model (SACM).
PB92-963273/REB 92-04 PC **A01**/MF **A01**

PB92-963274/REB
Contracting and Subcontracting Guide to the Superfund *Program.*
PB92-963274/REB 92-04 PC **Free**

PB92-963276/REB
Superfund Program Implementation Manual, Fiscal Year 1993. Volumes 1 and 2.
PB92-963276/REB 92-04 PC **A18**/MF **A04**

PB92-963277/REB
Identification of a Senior Superfund Official for Addressing Special NPL Site-Related Issues.
PB92-963277/REB 92-04 PC **A01**/MF **A01**

PB92-963278/REB
Superfund Progress - Aficionado's Version: Progress as of June 30, 1992.
PB92-963278/REB 92-04 PC **A03**/MF **A01**

PB92-963279/REB
Superfund Progress, Summer 1992.
PB92-963279/REB 92-04 PC **A03**/MF **A01**

PB92-963281/REB
Memorandum of Understanding between the National Oceanic and Atmospheric Administration and the U.S. Environmental Protection Agency Concerning the Notification and Coordination of Activities Pursuant to the Comprehensive Environmental Response, Compensation, and Liability Act.
PB92-963281/REB 92-04 PC **A03**/MF **A01**

PB92-963300/REB
Superfund: Site Assessment and Remediation.
PB92-963300/REB 92-01 Standing Order

PB92-963302/REB
PA-Score Software, Version 1.0. Users Manual and Tutorial.
PB92-963302/REB 92-01 PC **A04**/MF **A01**

PB92-963303/REB
Guidance for Performing Preliminary Assessments under CERCLA.
PB92-963303/REB 92-01 PC **A13**/MF **A03**

PB92-963304/REB
NPL Characterization Project: National Results.
PB92-963304/REB 92-01 PC **A07**/MF **A02**

PB92-963305/REB
NPL Characterization Project: Region 1 Results.
PB92-963305/REB 92-01 PC **A05**/MF **A01**

PB92-963306/REB
NPL Characterization Project: Region 2 Results.
PB92-963306/REB 92-01 PC **A05**/MF **A01**

PB92-963307/REB
NPL Characterization Project: Region 3 Results.
PB92-963307/REB 92-01 PC **A05**/MF **A01**

PB92-963308/REB
NPL Characterization Project: Region 4 Results.
PB92-963308/REB 92-01 PC **A05**/MF **A01**

PB92-963309/REB
NPL Characterization Project: Region 5 Results.
PB92-963309/REB 92-01 PC **A05**/MF **A01**

PB92-963310/REB
NPL Characterization Project: Region 6 Results.
PB92-963310/REB 92-01 PC **A05**/MF **A01**

PB92-963311/REB
NPL Characterization Project: Region 7 Results.
PB92-963311/REB 92-01 PC **A05**/MF **A01**

PB92-963312/REB
NPL Characterization Project: Region 8 Results.
PB92-963312/REB 92-01 PC **A05**/MF **A01**

PB92-963313/REB
NPL Characterization Project: Region 9 Results.
PB92-963313/REB 92-01 PC **A05**/MF **A01**

PB92-963314/REB
NPL Characterization Project: Region 10 Results.
PB92-963314/REB 92-01 PC **A05**/MF **A01**

PB92-963315/REB
CERCLIS Characterization Project: National Results.
PB92-963315/REB 92-01 PC **A06**/MF **A02**

PB92-963316/REB
CERCLIS Characterization Project: Region 1 Results.
PB92-963316/REB 92-01 PC **A05**/MF **A01**

PB92-963317/REB
CERCLIS Characterization Project: Region 2 Results.
PB92-963317/REB 92-01 PC **A05**/MF **A01**

PB92-963318/REB
CERCLIS Characterization Project: Region 3 Results.
PB92-963318/REB 92-01 PC **A05**/MF **A01**

PB92-963319/REB
CERCLIS Characterization Project: Region 4 Results.
PB92-963319/REB 92-01 PC **A05**/MF **A01**

PB92-963320/REB
CERCLIS Characterization Project: Region 5 Results.
PB92-963320/REB 92-01 PC **A05**/MF **A01**

PB92-963321/REB
CERCLIS Characterization Project: Region 6 Results.
PB92-963321/REB 92-01 PC **A05**/MF **A01**

PB92-963322/REB
CERCLIS Characterization Project: Region 7 Results.
PB92-963322/REB 92-01 PC **A05**/MF **A01**

PB92-963323/REB
CERCLIS Characterization Project: Region 8 Results.
PB92-963323/REB 92-01 PC **A05**/MF **A01**

PB92-963324/REB
CERCLIS Characterization Project: Region 9 Results.
PB92-963324/REB 92-01 PC **A05**/MF **A01**

PB92-963325/REB
CERCLIS Characterization Project: Region 10 Results.
PB92-963325/REB 92-01 PC **A05**/MF **A01**

PB92-963326/REB
Revised Hazard Ranking System: Evaluating Sites After Waste Removals.
PB92-963326/REB 92-01 PC **A03**/MF **A01**

PB92-963327/REB
Revision of Policy Regarding Superfund Project Assignment between Alternative Remedial Contracting Strategy Contractors and the U.S. Army Corps of Engineers.
PB92-963327/REB 92-01 PC **A01**/MF **A01**

PB92-963328/REB
Audits and the Superfund Program Manager.
PB92-963328/REB 92-01 PC **A01**/MF **A01**

PB92-963329/REB
State and Local Involvement in the Superfund Program.
PB92-963329/REB 92-01 PC **A01**/MF **A01**

PB92-963330/REB
Political Subdivision Involvement in Superfund.
PB92-963330/REB 92-01 PC **A01**/MF **A01**

PB92-963331/REB
Debarment and Suspension.
PB92-963331/REB 92-01 PC **A01**/MF **A01**

PB92-963332/REB
Administrative Guidance for the FIT to ARCS (FIT/ARCS) Transition.
PB92-963332/REB 92-01 PC **A06**/MF **A02**

PB92-963333/REB
Risk Assessment Guidance for Superfund. Volume 1. Human Health Evaluation Manual (Part B, Development of Risk-Based Preliminary Remediation Goals).
PB92-963333/REB 92-01 PC **A04**/MF **A01**

PB92-963334/REB
Risk Assessment Guidance for Superfund. Volume 1. Human Health Evaluation Manual (Part C, Risk Evaluation of Remedial Alternatives).
PB92-963334/REB 92-01 PC **A05**/MF **A01**

PB92-963335/REB
ECO Update: Ecological Assessment of Superfund Sites. An Overview. Volume 1, Number 2, December 1991.
PB92-963335/REB 92-01 PC **A02**/MF **A01**

PB92-963336/REB
Homeowners Exempted from Superfund Cleanup Costs: National Policy Overview.
PB92-963336/REB 92-01 PC **A01**/MF **A01**

PB92-963337/REB
ECO Update: The Role of BTAGs in Ecological Assessment. Volume 1, Number 1, September 1991.
PB92-963337/REB 92-01 PC **A02**/MF **A01**

PB92-963338/REB
Estimating Potential for Occurrence of DNAPL at Superfund Sites.
PB92-963338/REB 92-01 PC **A03**/MF **A01**

PB92-963339/REB
Risk Assessment Guidance for Superfund. Volume 1. Human Health Evaluation Manual (Part B).
PB92-963339/REB 92-01 PC **A02**/MF **A01**

PB92-963340/REB
Risk Assessment Guidance for Superfund. Volume 1. Human Health Evaluation Manual (Part C).
PB92-963340/REB 92-01 PC **A02**/MF **A01**

PB92-963341/REB
Community Relations in Superfund: A Handbook.
PB92-963341/REB 92-01 PC **A12**/MF **A03**

PB92-963342/REB
Accessing the $50 Million Set-Aside in the Remedial Action Budget for Quick Response at National Priorities List Sites.
PB92-963342/REB 92-01 PC **A01**/MF **A01**

PB92-963343/REB
Authorization for Regional Administrators to Approve Consistency Exemptions at NPL Sites.
PB92-963343/REB 92-01 PC **A01**/MF **A01**

PB92-963344/REB
Update No. 2 to 'Procedures for Completion and Deletion of NPL Sites'.
PB92-963344/REB 92-01 PC **A01**/MF **A01**

PB92-963345/REB
Guide to Principal Threat and Low Level Threat Wastes.
PB92-963345/REB 92-01 PC **A01**/MF **A01**

PB92-963346/REB
Evaluation of Ground-Water Extraction Remedies: Phase 2 Volume 1, Summary Report.
PB92-963346/REB 92-04 PC **A03**/MF **A01**

PB92-963347/REB
Evaluation of Ground-Water Extraction Remedies: Phase 2 Volume 2, Case Studies and Updates.
PB92-963347/REB 92-04 PC **A19**/MF **A04**

PB92-963348/REB
OPA Q's and A's: Overview of the Oil Pollution Act of 1990.
PB92-963348/REB 92-01 PC **A02**/MF **A01**

PB92-963349/REB
PREscore Software. Users Manual and Tutorial. Version 1.0.
PB92-963349/REB 92-01 PC **A05**/MF **A01**

PB92-963350/REB
Presentations EPA-State Soil Standards Conference. Held in Crystal City, Virginia on January 29, 1991.
PB92-963350/REB 92-01 PC **A08**/MF **A02**

PB92-963351/REB
Summary of Treatment Technology Effectiveness for Contaminated Soil.
PB92-963351/REB 92-01 PC **A23**/MF **A04**

PB92-963352/REB
Regional Quality Control Guidance for NPL Candidate Sites.
PB92-963352/REB 92-01 PC **A04**/MF **A01**

PB92-963353/REB
Guide to Management of Investigation-Derived Wastes.
PB92-963353/REB 92-01 PC **A02**/MF **A01**

PB92-963354/REB
Characterization Protocol for Radioactive Contaminated Soils.
PB92-963354/REB 92-01 PC **A02**/MF **A01**

PB92-963356/REB
Guidance for Data Useability in Risk Assessment (Part A).
PB92-963356/REB 92-04 PC **A13**/MF **A03**

PB92-963358/REB
Considerations in Ground-Water Remediation at Superfund Sites and RCRA Facilities: Update.
PB92-963358/REB 92-01 PC **A03**/MF **A01**

PB92-963359/REB
ROD Annual Report, FY1991. Volume 1.
PB92-963359/REB 92-01 PC **A99**/MF **A06**

PB92-963360/REB
ROD Annual Report, FY1991. Volume 2.
PB92-963360/REB 92-01 PC **A16**/MF **A04**

PB92-963361/REB
Superfund Accelerated Cleanup Bulletin: Presumptive Remedies for Wood Treatment Facilities. Volume 1, Number 2, May 1992.
PB92-963361/REB 92-04 PC **A01**/MF **A01**

PB92-963362/REB
Guidance for Data Useability in Risk Assessment (Part B).
PB92-963362/REB 92-04 PC **A05**/MF **A01**

PB92-963363/REB
Guidance for Data Useability in Risk Assessment.
PB92-963363/REB 92-04 PC **A02**/MF **A01**

PB92-963364/REB
Remedial Action Report: Documentation for Operable Unit Completion.
PB92-963364/REB 92-04 PC **A01**/MF **A01**

PB92-963367/REB
Superfund Accelerated Cleanup Bulletin. Volume 1, Number 1. Presumptive Remedies for Municipal Landfill Sites.
PB92-963367/REB 92-04 PC **A01**/MF **A01**

PB92-963368/REB
FY 1992 Themes for Regional Coordination to Support Continuous Improvements of Superfund's Remedial Program.
PB92-963368/REB 92-04 PC **A02**/MF **A01**

PB92-963369/REB
ECO Update. Volume 1, Number 3. The Role of Natural Resource Trustees in the Superfund Process.
PB92-963369/REB 92-04 PC **A03**/MF **A01**

PB92-963370/REB
ECO Update. Volume 1, Number 4. Developing a Work Scope for Ecological Assessments.
PB92-963370/REB 92-04 PC **A03**/MF **A01**

PB92-963371/REB
Superfund Accelerated Cleanup Bulletin. Volume 1, Number 3. Presumptive Remedies.
PB92-963371/REB 92-04 PC **A01**/MF **A01**

PB92-963372/REB
Understanding Superfund Risk Assessment.
PB92-963372/REB 92-04 PC **A02**/MF **A01**

PB92-963373/REB
Supplemental Guidance to RAGS: Calculating the Concentration Term. Volume 1, Number 1, May 1992.
PB92-963373/REB 92-04 PC **A02**/MF **A01**

PB92-963374/REB
ECO Update. Volume 1, Number 5, August 1992. Briefing the BTAG: Initial Description of Setting, History, and Ecology of a Site.
PB92-963374/REB 92-04 PC **A03**/MF **A01**

PB92-963400/REB
Superfund: Removals and Emergency Response.
PB92-963400/REB 92-01 Standing Order

PB92-963401/REB
Superfund Removal Procedures: Guidance on the Consideration of ARARS during Removal Actions.
PB92-963401/REB 92-01 PC **A03**/MF **A01**

PB92-963402/REB
CERCLA Reporting Requirements for Releases of Ethylene Glycol from Airplane De-Icing Operations.
PB92-963402/REB 92-01 PC **A02**/MF **A01**

PB92-963403/REB
Superfund Emergency Response Actions: A Summary of Federally-Funded Removals. Fifth Annual Report - Fiscal Year 1990.
PB92-963403/REB 92-01 PC **A08**/MF **A02**

PB92-963405/REB
Compendium of ERT Field Analytical Procedures.
PB92-963405/REB 92-04 PC **A05**/MF **A01**

PB92-963406/REB
Compendium of ERT Air Sampling Procedures.
PB92-963406/REB 92-04 PC **A07**/MF **A02**

PB92-963407/REB
Technical Assistance Team (TAT) Contracts Users' Manual.
PB92-963407/REB 92-01 PC **A09**/MF **A02**

PB92-963408/REB
Removal Program Representative Sampling Guidance. Volume 1. Soil.
PB92-963408/REB 92-01 PC **A04**/MF **A01**

PB92-963409/REB
Superfund Removal Procedures: Removal Enforcement Guidance for On-Scene Coordinators.
PB92-963409/REB 92-04 PC **A03**/MF **A01**

PB92-963411/REB
CERCLA Notifications: Emergency Response Notification System (ERNS) Fact Sheet.
PB92-963411/REB 92-04 PC **A01**/MF **A01**

PB92-963412/REB
Overview of ERNS: Emergency Response Notification System (ERNS) Fact Sheet.
PB92-963412/REB 92-04 PC **A01**/MF **A01**

PB92-963413/REB
Oil Notifications: Emergency Response Notification System (ERNS) Fact Sheet.
PB92-963413/REB 92-04 PC **A01**/MF **A01**

PB92-963414/REB
Standard Operating Safety Guides.
PB92-963414/REB 92-04 PC **A09**/MF **A03**

PB92-963416/REB
Superfund Removal Procedures: Public Participation Guidance for On-Scene Coordinators: Community Relations and the Administrative Record.
PB92-963416/REB 92-04 PC **A03**/MF **A01**

PB92-963418/REB
Analysis of State Superfund Programs: 50-State Study. 1991 Update.
PB92-963418/REB 92-04 PC **A12**/MF **A03**

PB92-963419/REB
Guide to Removal Enforcement.
PB92-963419/REB 92-04 PC **A01**/MF **A01**

PB92-963420/REB
OPA Update: Implementation of the Oil Pollution Act of 1990. Volume 2, Number 1.
PB92-963420/REB 92-04 PC **A02**/MF **A01**

PB92-963422/REB
Notification Requirements for Continuous Releases of Hazardous Substances.
PB92-963422/REB 92-04 PC **A02**/MF **A01**

PB92-963500/REB
Superfund: Technology and Analytical Services.
PB92-963500/REB 92-01 Standing Order

PB92-963600/REB
Superfund: Enforcement.
PB92-963600/REB 92-01 Standing Order

PB92-963603/REB
Overview of the Off-Site Policy for OSCs and RPMs.
PB92-963603/REB 92-01 PC **A01**/MF **A01**

PB92-963606/REB
Guidance on Preparing Waste-in Lists and Volumetric Rankings for Release to Potentially Responsible Parties (PRPs) under CERCLA.
PB92-963606/REB 92-01 PC **A03**/MF **A01**

PB92-963701/REB
Superfund Record of Decision (EPA Region 1): Western Sand and Gravel Site, Burrillville and North Smithfield, RI. (Third Remedial Action), April 1991.
PB92-963701/REB 92-01 PC **A11**/MF **A03**

PB92-963702/REB
Superfund Record of Decision (EPA Region 1): Dover Municipal Landfill, Dover, NH. (First Remedial Action), September 1991.
PB92-963702/REB 92-01 PC **A13**/MF **A03**

PB92-963703/REB
Superfund Record of Decision (EPA Region 1): Union Chemical, South Hope, ME. (First Remedial Action), December 1990.
PB92-963703/REB 92-01 PC **A13**/MF **A03**

PB92-963704/REB
Superfund Record of Decision (EPA Region 1): Nyanza Chemical Waste Dump, Operable Unit 2, Ashland, MA. (Second Remedial Action), September 1991.
PB92-963704/REB 92-01 PC **A09**/MF **A02**

PB92-963705/REB
Superfund Record of Decision (EPA Region 1): Mottolo Pig Farm, Raymond, NH. (First Remedial Action), March 1991.
PB92-963705/REB 92-01 PC **A08**/MF **A02**

PB92-963706/REB
Superfund Record of Decision (EPA Region 1): Savage Municipal Water Supply, Milford, NH. (First Remedial Action), September 1991.
PB92-963706/REB 92-04 PC **A14**/MF **A03**

PB92-963707/REB
Superfund Record of Decision (EPA Region 1): Iron Horse Park, Billerica, MA. (Second Remedial Action), June 1991.
PB92-963707/REB 92-04 PC **A12**/MF **A03**

PB92-963708/REB
Superfund Record of Decision (EPA Region 1): Sullivan's Ledge Superfund Site, Middle Marsh Operable Unit, New Bedford, MA. (First Remedial Action), September 1991.
PB92-963708/REB 92-04 PC **A13**/MF **A03**

PB92-963709/REB
Superfund Record of Decision (EPA Region 1): Silresim Chemical, MA. (First Remedial Action), September 1991.
PB92-963709/REB 92-04 PC **A13**/MF **A03**

PB92-963710/REB
Superfund Record of Decision (EPA Region 1): Groveland Wells, Operable Unit 1, Groveland, MA. (Second Remedial Action), September 1991.
PB92-963710/REB 92-04 PC **A11**/MF **A03**

PB92-963801/REB
Superfund Record of Decision (EPA Region 2): C and J Disposal Site, Town of Eaton, Madison County, NY. (First Remedial Action), March 1991.
PB92-963801/REB 92-01 PC **A06**/MF **A02**

PB92-963802/REB
Superfund Record of Decision (EPA Region 2): Endicott Village Wellfield, Broome County, Endicott, NY. (Second Remedial Action), March 1991.
PB92-963802/REB 92-01 PC **A04**/MF **A01**

PB92-963803/REB
Superfund Record of Decision (EPA Region 2): Genzale Plating Company, Franklin Square, Nassau County, NY. (First Remedial Action), March 1991.
PB92-963803/REB 92-01 PC **A05**/MF **A01**

PB92-963804/REB
Superfund Record of Decision (EPA Region 2): Global Landfill, Middlesex County, NJ. (First Remedial Action), October 1991.
PB92-963804/REB 92-01 PC **A08**/MF **A02**

PB92-963805/REB
Superfund Record of Decision (EPA Region 2): Love Canal (93rd Street School), Niagara County, City of Niagara Falls, NY. (Third Remedial Action), (Amendment), May 1991.
PB92-963805/REB 92-01 PC **A03**/MF **A01**

PB92-963806/REB
Superfund Record of Decision (EPA Region 2): Naval Air Engineering Center (Operable Unit 3), Lakehurst, NJ. (Fourth Remedial Action), September 1991.
PB92-963806/REB 92-01 PC **A04**/MF **A01**

PB92-963807/REB
Superfund Record of Decision (EPA Region 2): Mattiace Petrochemicals Co., Inc., Nassau County, Glen Cove, NY. (Second Remedial Action), June 1991.
PB92-963807/REB 92-04 PC **A06**/MF **A02**

PB92-963808/REB
Superfund Record of Decision (EPA Region 2): Naval Air Engineering Center (Operable Unit 1), Lakehurst, NJ. (First Remedial Action), February 1991.
PB92-963808/REB 92-01 PC **A04**/MF **A01**

PB92-963809/REB
Superfund Record of Decision (EPA Region 2): Asbestos Dump, New Vernon Road and White Bridge Road Sites, Passaic Township, Meyersville, NJ. (Second Remedial Action), September 1991.
PB92-963809/REB 92-01 PC **A04**/MF **A01**

PB92-963810/REB
Superfund Record of Decision (EPA Region 2): Naval Air Engineering Center, (Operable Unit 2), Lakehurst, NJ. (Second Remedial Action), February 1991.
PB92-963810/REB 92-01 PC **A04**/MF **A01**

PB92-963811/REB
Superfund Record of Decision (EPA Region 2): Chemsol, Inc., Piscataway, Middlesex County, NJ. (First Remedial Action), September 1991.
PB92-963811/REB 92-01 PC **A04**/MF **A01**

PB92-963812/REB
Superfund Record of Decision (EPA Region 2): Hooker Chemical S-Area, Niagara Falls, NY. (First Remedial Action), September 1990.
PB92-963812/REB 92-04 PC **A15**/MF **A03**

PB92-963813/REB
Superfund Record of Decision (EPA Region 2): NL Industries, Salem County, Pedricktown, NJ. (First Remedial Action), September 1991.
PB92-963813/REB 92-04 PC **A07**/MF **A02**

PB92-963814/REB
Superfund Record of Decision: Roebling Steel Company, Florence Township, Burlington County, NJ. (Second Remedial Action), September 1991.
PB92-963814/REB 92-04 PC **A04**/MF **A01**

PB92-963815/REB
Superfund Record of Decision (EPA Region 2): Waldick Aerospace Devices, Wall Township, Monmouth County, NJ. (Second Remedial Action), March 1991.
PB92-963815/REB 92-04 PC **A04**/MF **A01**

PB92-963816/REB
Superfund Record of Decision (EPA Region 2): Upper Deerfield Township Sanitary Landfill, Upper Deerfield Township, Cumberland County, NJ. (First Remedial Action), September 1991.
PB92-963816/REB 92-04 PC **A03**/MF **A01**

PB92-963817/REB
Superfund Record of Decision (EPA Region 2): Nascolite Corporation, Doris Avenue, Cities of Millville and Vineland, Cumberland County, NJ. (Second Remedial Action), June 1991.
PB92-963817/REB 92-04 PC **A07**/MF **A02**

PB92-963818/REB
Superfund Record of Decision (EPA Region 2): General Motors/Central Foundry Division Site, St. Lawrence County, Massena, NY. (First Remedial Action), December 1990.
PB92-963818/REB 92-04 PC **A10**/MF **A03**

PB92-963819/REB
Superfund Record of Decision (EPA Region 2): Frontera Creek Site, Humacao, Puerto Rico (First Remedial Action), September 1991.
PB92-963819/REB 92-04 PC **A06**/MF **A02**

PB92-963820/REB
Superfund Record of Decision (EPA Region 2): Fort Dix Landfill, Fort Dix Military Reservation, Pemberton Township, Burlington County, NJ. (First Remedial Action), September 1991.
PB92-963820/REB 92-04 PC **A06**/MF **A02**

PB92-963821/REB
Superfund Record of Decision (EPA Region 2): Hertel Landfill, Town of Plattekill, Ulster County, NY. (First Remedial Action), September 1991.
PB92-963821/REB 92-04 PC **A05**/MF **A01**

PB92-963822/REB
Superfund Record of Decision (EPA Region 2): Colesville Municipal Landfill Site, Town of Colesville, Broome County, NY. (First Remedial Action), March 1991.
PB92-963822/REB 92-04 PC **A12**/MF **A03**

PB92-963823/REB
Superfund Record of Decision (EPA Region 2): Applied Environmental Services Site, Glenwood Landing, Nassau County, NY. (First Remedial Action), June 1991.
PB92-963823/REB 92-04 PC **A05**/MF **A01**

PB92-963824/REB
Superfund Record of Decision (EPA Region 2): Conklin Dumps, Broome County, Conklin, NY. (First Remedial Action), March 1991.
PB92-963824/REB 92-04 PC **A07**/MF **A02**

PB92-963825/REB
Superfund Record of Decision (EPA Region 2): Curcio Scrap Metal, Bergen County, Saddle Brook, NJ. (First Remedial Action), June 1991.
PB92-963825/REB 92-04 PC **A06**/MF **A02**

PB92-963826/REB
Superfund Record of Decision (EPA Region 2): Warwick Landfill, Town of Warwick, Orange County, NY. (First Remedial Action), June 1991.
PB92-963826/REB 92-04 PC **A06**/MF **A02**

PB92-963827/REB
Superfund Record of Decision (EPA Region 2): Sinclair Refinery, Allegany County, Wellsville, NY. (Second Remedial Action), September 1991.
PB92-963827/REB 92-04 PC **A06**/MF **A02**

PB92-963828/REB
Superfund Record of Decision (EPA Region 2): Fibers Public Supply Wells, Guayama, PR. (First Remedial Action), September 1991.
PB92-963828/REB 92-04 PC **A06**/MF **A02**

PB92-963829/REB
Superfund Record of Decision (EPA Region 2): White Chemical Corporation, Essex County, Newark, NJ. (First Remedial Action), September 1991.
PB92-963829/REB 92-04 PC **A03**/MF **A01**

PB92-963830/REB
Superfund Record of Decision (EPA Region 2): Circuitron Corporation, East Farmingdale, Suffolk County, NY. (First Remedial Action), March 1991.
PB92-963830/REB 92-04 PC **A05**/MF **A01**

PB92-963831/REB
Superfund Record of Decision (EPA Region 2): Juncos Landfill, Juncos, PR. (First Remedial Action), September 1991.
PB92-963831/REB 92-04 PC **A05**/MF **A02**

PB92-963832/REB
Superfund Record of Decision (EPA Region 2): Naval Air Engineering Center, (Operable Unit 4), Lakehurst, NJ. (Third Remedial Action), September 1991.
PB92-963832/REB 92-04 PC **A04**/MF **A01**

PB92-963833/REB
Superfund Record of Decision (EPA Region 2): Swope Oil and Chemical Company, Pennsauken Township, Camden County, NJ. (Second Remedial Action), September 1991.
PB92-963833/REB 92-04 PC **A07**/MF **A02**

PB92-963834/REB
Superfund Record of Decision (EPA Region 2): Garden State Cleaners, Buena Borough, Atlantic County, NJ. (First Remedial Action), September 1991.
PB92-963834/REB 92-04 PC **A04**/MF **A01**

PB92-963901/REB
Superfund Record of Decision (EPA Region 3): Mid-Atlantic Wood Preservers, Harmans, Anne Arundel County, MD. (First Remedial Action), December 1990.
PB92-963901/REB 92-01 PC **A04**/MF **A01**

PB92-963902/REB
Superfund Record of Decision (EPA Region 3): Publicker/Cuyahoga Wrecking Plant, PA. (Second Remedial Action), June 1991.
PB92-963902/REB 92-01 PC **A03**/MF **A01**

PB92-963903/REB
Superfund Record of Decision (EPA Region 3): Resin Disposal, Jefferson Borough, Allegheny County, PA. (First Remedial Action), June 1991.
PB92-963903/REB 92-01 PC **A04**/MF **A01**

PB92-963904/REB
Superfund Record of Decision (EPA Region 3): Middletown Air Field Site, Middletown, PA. (Second Remedial Action), December 1990.
PB92-963904/REB 92-01 PC **A04**/MF **A01**

PB92-963905/REB
Superfund Record of Decision (EPA Region 3): Hellertown Manufacturing Company, Hellertown Borough, Northampton County, PA. (First Remedial Action), September 1991.
PB92-963905/REB 92-01 PC **A04**/MF **A01**

PB92-963906/REB
Superfund Record of Decision (EPA Region 3): Hebelka Auto Salvage Yard, Weisenber Township, Lehigh County, PA. (Second Remedial Action), September 1991.
PB92-963906/REB 92-01 PC **A03**/MF **A01**

PB92-963907/REB
Superfund Record of Decision (EPA Region 3): Dorney Road Landfill Site, Upper Macungie Township, Lehigh County, PA. (Second Remedial Action), September 1991.
PB92-963907/REB 92-01 PC **A05**/MF **A01**

PB92-963908/REB
Superfund Record of Decision (EPA Region 3): Cryo-Chem Site, Earl Township, Berks County, PA. (Third Remedial Action), September 1991.
PB92-963908/REB 92-01 PC **A05**/MF **A01**

PB92-963909/REB
Superfund Record of Decision (EPA Region 3): USA Aberdeen, Michaelsville, MD. (First Remedial Action), September 1991.
PB92-963909/REB 92-01 PC **A03**/MF **A01**

PB92-963910/REB
Superfund Record of Decision (EPA Region 3): USA Letterkenny - PDO, Chambersburg, PA. (First Remedial Action), August 1991.
PB92-963910/REB 92-01 PC **A03**/MF **A01**

PB92-963911/REB
Superfund Record of Decision (EPA Region 3): USA Letterkenny - Southeastern Area, Chambersburg, PA. (First Remedial Action), August 1991.
PB92-963911/REB 92-01 PC **A04**/MF **A01**

PB92-963912/REB
Superfund Record of Decision (EPA Region 3): Whitmoyer Laboratories (Operable Unit 2), Lebanon County, PA. (Second Remedial Action), December 1990.
PB92-963912/REB 92-01 PC **A05**/MF **A01**

PB92-963913/REB
Superfund Record of Decision (EPA Region 3): Strasburg Landfill, Newlin Township, Chester County, PA. (Second Remedial Action), June 1991.
PB92-963913/REB 92-01 PC **A04**/MF **A01**

PB92-963914/REB
Superfund Record of Decision (EPA Region 3): Halby Chemical, Wilmington, New Castle County, DE. (First Remedial Action), June 1991.
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PB92-963915/REB 92-01 PC **A06**/MF **A02**

PB92-963916/REB
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PB92-963916/REB 92-01 PC **A05**/MF **A01**

PB92-963917/REB
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PB92-963917/REB 92-01 PC **A03**/MF **A01**

PB92-963918/REB
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PB92-963918/REB 92-01 PC **A05**/MF **A01**

PB92-963919/REB
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PB92-963919/REB 92-01 PC **A05**/MF **A01**

PB92-963920/REB
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PB92-963920/REB 92-01 PC **A05**/MF **A01**

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PB92-963921/REB 92-04 PC **A07**/MF **A02**

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PB92-963922/REB 92-04 PC **A06**/MF **A02**

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PB92-963924/REB 92-04 PC **A04**/MF **A01**

PB92-963925/REB
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PB92-963925/REB 92-04 PC **A05**/MF **A01**

PB92-963926/REB
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PB92-963926/REB 92-04 PC **A05**/MF **A01**

PB92-963927/REB
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PB92-963927/REB 92-04 PC **A04**/MF **A01**

PB92-963928/REB
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PB92-963928/REB 92-04 PC **A05**/MF **A01**

PB92-963929/REB
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PB92-963929/REB 92-04 PC **A03**/MF **A01**

PB92-963930/REB
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PB92-963930/REB 92-04 PC **A03**/MF **A01**

PB92-963931/REB
Superfund Record of Decision (EPA Region 3): Modern Sanitation Landfill, Windsor and Lower Windsor Townships, York County, PA. (First Remedial Action), June 1991.
PB92-963931/REB 92-04 PC **A04**/MF **A01**

PB92-963932/REB
Superfund Record of Decision (EPA Region 3): McAdoo Associates, (Operable Unit 2), Schuylkill County, PA. (Third Remedial Action), September 1991.
PB92-963932/REB 92-04 PC **A04**/MF **A01**

PB92-963933/REB
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PB92-963933/REB 92-04 PC **A05**/MF **A01**

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PB92-964001/REB 92-01 PC **A03**/MF **A01**

PB92-964002/REB
Superfund Record of Decision (EPA Region 4): USAF Robins Air Force Base, Warner Robins, Houston County, GA. (First Remedial Action), June 1991.
PB92-964002/REB 92-01 PC **A04**/MF **A01**

PB92-964003/REB
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PB92-964003/REB 92-01 PC **A04**/MF **A01**

PB92-964004/REB
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PB92-964004/REB 92-01 PC **A14**/MF **A03**

PB92-964005/REB
Superfund Record of Decision (EPA Region 4): Aberdeen Pesticide Dumps, Moore County, Aberdeen, NC. (First Remedial Action), (Amendment), September 1991.
PB92-964005/REB 92-01 PC **A07**/MF **A02**

PB92-964006/REB
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PB92-964006/REB 92-01 PC **A10**/MF **A03**

PB92-964007/REB
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PB92-964007/REB 92-01 PC **A04**/MF **A01**

PB92-964008/REB
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PB92-964008/REB 92-01 PC **A11**/MF **A03**

PB92-964009/REB
Superfund Record of Decision (EPA Region 4): Medley Farms, Cherokee County, Gaffney, SC. (First Remedial Action), May 1991.
PB92-964009/REB 92-01 PC **A09**/MF **A02**

PB92-964010/REB
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PB92-964010/REB 92-01 PC **A03**/MF **A01**

PB92-964011/REB
Superfund Record of Decision (EPA Region 4): Wrigley Charcoal Site, Hickman County, Wrigley, TN. (First Remedial Action), September 1991.
PB92-964011/REB 92-01 PC **A08**/MF **A02**

PB92-964012/REB
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PB92-964012/REB 92-01 PC **A03**/MF **A01**

PB92-964013/REB
Superfund Record of Decision (EPA Region 4): Oak Ridge Reservation (USDOE), (Operable Unit 2), Oak Ridge, TN. (First Remedial Action), June 1991.
PB92-964013/REB 92-01 PC **A03**/MF **A01**

PB92-964014/REB
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PB92-964014/REB 92-04 PC **A06**/MF **A02**

PB92-964015/REB
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PB92-964015/REB 92-04 PC **A09**/MF **A03**

PB92-964016/REB
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PB92-964016/REB 92-04 PC **A06**/MF **A02**

PB92-964017/REB
Superfund Record of Decision (EPA Region 4): Carolina Transformer Site, Cumberland County, Fayetteville, NC. (First Remedial Action), August 1991.
PB92-964017/REB 92-04 PC **A06**/MF **A02**

PB92-964018/REB
Superfund Record of Decision (EPA Region 4): Golden Strip Septic Tank, Greenville County, Simpsonville, SC. (First Remedial Action), September 1991.
PB92-964018/REB 92-04 PC **A14**/MF **A03**

PB92-964019/REB
Superfund Record of Decision (EPA Region 4): Sherwood Medical Industries, Volusia County, Deland, FL. (First Remedial Action), March 1991.
PB92-964019/REB 92-04 PC **A03**/MF **A01**

PB92-964020/REB
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PB92-964020/REB 92-04 PC **A04**/MF **A01**

PB92-964021/REB
Superfund Record of Decision (EPA Region 4): Ciba-Geigy, Washington County, McIntosh, AL. (Second Remedial Action), September 1991.
PB92-964021/REB 92-04 PC **A04**/MF **A01**

PB92-964022/REB
Superfund Record of Decision (EPA Region 4): Oak Ridge Reservation (USDOE), (Operable Unit 3), Anderson County, Oak Ridge, TN. (Second Remedial Action), September 1991.
PB92-964022/REB 92-04 PC **A03**/MF **A01**

PB92-964023/REB
Superfund Record of Decision (EPA Region 4): Charles Macon Lagoon and Drum Storage, Richmond County, Cordova, NC. (First Remedial Action), September 1991.
PB92-964023/REB 92-04 PC **A07**/MF **A02**

PB92-964101/REB
Superfund Record of Decision (EPA Region 5): Acme Solvent Reclaiming, Winnebago County, IL. (Second Remedial Action), December 1990.
PB92-964101/REB 92-01 PC **A05**/MF **A02**

PB92-964102/REB
Superfund Record of Decision (EPA Region 5): Oak Grove Sanitary Landfill, Anoka County, MN. (Second Remedial Action), December 1990.
PB92-964102/REB 92-01 PC **A04**/MF **A01**

PB92-964103/REB
Superfund Record of Decision (EPA Region 5): Organic Chemicals, Grandville, MI. (First Remedial Action), September 1991.
PB92-964103/REB 92-01 PC **A04**/MF **A01**

PB92-964104/REB
Superfund Record of Decision (EPA Region 5): Novaco Industries, MI. (First Remedial Action), (Amendment), September 1991.
PB92-964104/REB 92-01 PC **A03**/MF **A01**

PB92-964105/REB
Superfund Record of Decision (EPA Region 5): Rasmussen's Dump Site, Green Oak Township, Livingston County, MI. (First Remedial Action), March 1991.
PB92-964105/REB 92-01 PC **A09**/MF **A02**

PB92-964106/REB
Superfund Record of Decision (EPA Region 5): G and H Industrial Landfill Site, Macomb County, MI. (First Remedial Action), December 1990.
PB92-964106/REB 92-01 PC **A06**/MF **A02**

PB92-964107/REB
Superfund Record of Decision (EPA Region 5): Main Street Well Field, Elkhart, IN. (Second Remedial Action), March 1991.
PB92-964107/REB 92-01 PC **A05**/MF **A01**

PB92-964108/REB
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PB92-964108/REB 92-01 PC **A05**/MF **A01**

PB92-964109/REB
Superfund Record of Decision (EPA Region 5): Conrail Railyard, Elkhart County, IN. (First Remedial Action), June 1991.
PB92-964109/REB 92-01 PC **A04**/MF **A01**

PB92-964110/REB
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PB92-964110/REB 92-01 PC **A08**/MF **A02**

PB92-964111/REB
Superfund Record of Decision (EPA Region 5): Fadrowski Drum Disposal Site, Franklin, WI. (First Remedial Action), June 1991.
PB92-964111/REB 92-01 PC **A05**/MF **A01**

PB92-964112/REB
Superfund Record of Decision (EPA Region 5): Motor Wheel Disposal Site, Lansing, MI. (First Remedial Action), September 1991.
PB92-964112/REB 92-01 PC **A04**/MF **A01**

PB92-964113/REB
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PB92-964113/REB 92-01 PC **A05**/MF **A01**

PB92-964114/REB
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PB92-964114/REB 92-01 PC **A03**/MF **A01**

PB92-964115/REB
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PB92-964115/REB 92-01 PC **A06**/MF **A02**

PB92-964116/REB
Superfund Record of Decision (EPA Region 5): Enviro-Chem (Northside Sanitary Landfill), Zionsville, IN. (First Remedial Action), (Amendment), June 1991.
PB92-964116/REB 92-01 PC **A03**/MF **A01**

PB92-964117/REB
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PB92-964117/REB 92-01 PC **A03**/MF **A01**

PB92-964118/REB
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PB92-964118/REB 92-01 PC **A03**/MF **A01**

PB92-964119/REB
Superfund Record of Decision (EPA Region 5): Pine Bend Sanitary Landfill, Dakota County, City of Inver Grove Heights, MN. (First Remedial Action), September 1991.
PB92-964119/REB 92-01 PC **A03**/MF **A01**

PB92-964120/REB
Superfund Record of Decision (EPA Region 5): Pagel's Pit Site, Winnebago County, IL. (First Remedial Action), June 1991.
PB92-964120/REB 92-01 PC **A04**/MF **A01**

PB92-964121/REB
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PB92-964121/REB 92-01 PC **A03**/MF **A01**

PB92-964122/REB
Superfund Record of Decision (EPA Region 5): Zanesville Well Field Site, Zanesville, OH. (First Remedial Action), September 1991.
PB92-964122/REB 92-01 PC **A04**/MF **A01**

PB92-964123/REB
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PB92-964123/REB 92-04 PC **A06**/MF **A02**

PB92-964124/REB
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PB92-964124/REB 92-04 PC **A05**/MF **A01**

PB92-964125/REB
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PB92-964125/REB 92-04 PC **A05**/MF **A02**

PB92-964126/REB
Superfund Record of Decision (EPA Region 5): Carter Industrials Site, Detroit, MI. (First Remedial Action), September 1991.
PB92-964126/REB 92-04 PC **A08**/MF **A02**

PB92-964127/REB
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PB92-964127/REB 92-04 PC **A03**/MF **A01**

PB92-964128/REB
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PB92-964128/REB 92-04 PC **A04**/MF **A01**

PB92-964129/REB
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PB92-964129/REB 92-04 PC **A04**/MF **A01**

PB92-964130/REB
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PB92-964130/REB 92-04 PC **A05**/MF **A01**

PB92-964131/REB
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PB92-964131/REB 92-04 PC **A06**/MF **A02**

PB92-964132/REB
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PB92-964132/REB 92-04 PC **A04**/MF **A01**

PB92-964133/REB
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PB92-964133/REB 92-04 PC **A05**/MF **A01**

PB92-964134/REB
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PB92-964134/REB 92-04 PC **A06**/MF **A02**

PB92-964135/REB
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PB92-964135/REB 92-04 PC **A05**/MF **A01**

PB92-964136/REB
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PB92-964202/REB
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PB92-964301/REB
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