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Printing Management

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# **Publications. . . A Quarterly Guide**

## **Second Quarterly Supplement**



## ABOUT EPA

EPA was created through an executive reorganization plan designed to consolidate certain Federal Government environmental activities into a single agency. The plan (Reorganization Plan No. 3 of 1970) was sent by the President to Congress on July 9, 1970, and EPA was established as an independent Agency in the Executive Branch on December 2, 1970.

EPA was formed by amalgamating 15 components from 5 departments and independent agencies. Water quality responsibilities were transferred from the Interior Department (the Federal Water Quality Administration) and the Department of Health, Education and Welfare (The Bureau of Water Hygiene). Other activities transferred from HEW included the National Air Pollution Control Administration and the Bureau of Solid Waste Management.

In addition, EPA acquired the Department of Agriculture's authority to register pesticides and to regulate their use; the Food and Drug Administration's authority to set tolerance levels for pesticides which occur in or on food and to monitor compliance with those limits; and a portion of the Department of Interior's pesticides research program.

Finally, EPA assumed some of the Atomic Energy Commission's and HEW's authority for setting environmental radiation protection standards. The Agency also absorbed the duties of the Federal Radiation Council.

Organizationally, EPA is headed by an Administrator, who is supported by a Deputy Administrator and six Assistant Administrators. Three of the Assistant Administrators are responsible for "functionalized" activities, i.e., activities which cut across all programs. These activities are planning and management, enforcement, and research. The remaining program activities have been grouped under three other Assistant Administrators on a media or pollutant basis, i.e., water and air pollution, noise, pesticides, radiation, solid waste, and toxic substances. The activities carried out by these offices are primarily policy development, standards and criteria development, and support and evaluation of regional activities.

EPA has established regional offices in conformance with the standard Federal regional boundaries and has assigned major responsibilities for carrying out EPA programs and policies to the regional offices. These include the authority to implement and enforce standards, to conduct monitoring and surveillance programs, and to provide technical and financial assistance to State and local Governments.

## FOREWORD

This is the second quarterly supplement to the basic document "EPA Publications... A Quarterly Guide" dated January-December 1979. It contains additions/deletions to the list of general publications and new technical publications that are now available from the National Technical Information Service (NTIS).

The supplement also contains the current NTIS Price Code Sheet, a copy of NTIS order form A, and a copy of EPA form B. It includes an abbreviated bibliographic citation for reports generated by EPA and its contractors and grantees. The citations are arranged by sections - general and technical and then by categories: air pollution, noise pollution, pesticides, radiation, solid waste, toxic substances, and water pollution. Within each category the citation appear in alphabetical order by title.

There is a single index by subject.

Copies of reports listed in the general section of each category are available in GPO depository libraries. Microfiche copies of all reports listed in the technical section of each category are available in each EPA library.

To order documents or subscriptions assigned a PB number return the order Form A to the National Technical Information Service, 5285 Port Royal Road, Springfield Virginia 22161. Do not order from the U.S. Environmental Protection Agency. If what you have ordered is in stock, you should receive your report within two weeks after the order arrives at NTIS. If what you have ordered must be reproduced from a microform, or if all the paper copies have been sold and reprints are in process, you should receive your order within four to six weeks. Prices for documents are indicated in each entry by a price code for paper copy and for microform. You must translate this code into dollars when sending your order to NTIS.

### How to Order Other EPA Reports

To order EPA publications available for sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402, send money and your order to GPO. Items shown as available from EPA's Printing Management Office or Field Activities will be provided as long as copies are available. To request these items, send Form B to the appropriate address listed on the inside back cover of this supplement.

### How To Be Placed On The Distribution

If you wish to receive future Quarterly Guides, return the address label on the reverse of the guide to the Printing Management Office or appropriate Field Activity.

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T10	1,060.00
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T12	1,260.00
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T16	1,660.00
T17	1,760.00
T18	1,860.00
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T99	Contact NTIS for Price Quote

## USER'S GUIDE

Entries are arranged under General (Part I) or Technical Publications (Part II) and then by major category. Under each major category, the citations are arranged in alphabetical order by title.

### Part I - General Publications Air Pollution and Control

Air Pollution Summary. January 1975. Office of Planning and Evaluation. EPA Report 630-001.

- a) Part
- b) Category
- c) Title
- d) Date of Publication
- e) Originating Office
- f) EPA Report
- g) NTIS Order Number

Pesticides in Air. July 1973. Office of Pesticides Programs. EPA 550-003. Available GPO, No. NNNNNNNNNN. Price \$1.85 & Printing Management, PM-215, EPA.

### Pesticides

Pesticides in Air. July 1973. Office of Pesticides Programs. EPA 550-003. Available GPO, No. NNNNNNNNNN. Price \$1.85.

Part II - Technical Publications  
same types of entries as above.

There is a subject index arranged alphabetically by subject. Under each subject the pertinent citations are listed in alphabetical order by title. When the desired title is found it will direct the users and refer to the page of the Quarterly Guide on which the complete citation may be found.

- a) subject \_\_\_\_\_ AIR FILTERS
- b) title \_\_\_\_\_ Urban air pollution modeling without computers.
- c) order number \_\_\_\_\_ PB 262 393 / 2BE
- d) page number \_\_\_\_\_ 8

G E N E R A L  
"A D D I T I O N S"

Energy, Economics and the Environment - March 1979 - PMO

EPA Journal Reprint: Environment and the Law

EPA Journal Reprint: The Environmental Ethic of Justice William O. Douglas  
January 1980 - PMO

Federal Register: Consumer Affairs Program - Monday, June 9, 1980 - PMO

Tu Mundo Tu Ambiente ( Your World, Your Environment-Spanish version) - May 1979  
PMO

Women and Environmentalism: Forces for Change - June 1980 - PMO

"D E L E T I O N S"

Career Choices; Working toward a better environment - January 1977 - PMO

Earth Day '80 - April 22, 1980 - PMO

EPA Folder - PMO

EPA Journal Reprint: A Conserving Society

The New Environmentalists - March 1979 - PMO

Your World, Your Environment - May 1979 - PMO

U.S. EPA Headquarters Library  
Mail code 6001  
1200 Pennsylvania Avenue, N.W.  
Washington, D.C. 20460

## A I R P O L L U T I O N

### "A D D I T I O N S"

Environmental Information: Acid Rain-A Growing Environmental Problem  
May 1980 - PMO

Environmental Information: Controlled Trading - PMO

Environmental Information: Diesel Emission Standards - April 1980 - PMO

Environmental Information: Eight Cities to Develop Growth and Clean Air Measures  
PMO

Poster - "Tune-up for clean air and save gas too"

### "D E L E T I O N S"

Get a Check-UP for Your Car! - July 1978 - PMO

Ringelmann Smoke Chart - May 1976 - PMO

## N O I S E P O L L U T I O N

### "D E L E T I O N S"

EPA Noise Control Program: Progress to Date - March 1978 - PMO

Noise and Recreational Vehicles - December 1976 - PMO

## P E S T I C I D E S

### "D E L E T I O N S"

EPA Journal Reprint: Farmers and the Environment

## T O X I C S U B S T A N C E S

### "A D D I T I O N S"

Administration of the Toxic Substances Control Act (1979) - July 1980 - PMO

W A T E R P O L L U T I O N

"A D D I T I O N S"

Drinking Water Bulletin: A Consumer's Update on The Safe Drinking Water Program  
June 1980 - PMO

EPA Journal Reprint: Year of the Coast - May 1980 - PMO

"D E L E T I O N S"

Poster: "A River is More Than Amenity, It is a Treasure. It Offers a Necessity  
of Life That Must Be Rationed Among Those Who Have Power Over It". (Fish) - PMO

# GUIDE TO EPA PUBLICATIONS

## AIR POLLUTION AND CONTROL

**Adipic Acid Degradation Mechanism in Aqueous FGD (Flue Gas Desulfurization) Systems.** Sep 79, EPA-600/7-79-224, Radian Corp., Austin, TX.  
Order PB80-144595. Price code: PC A05/MF A01

**Aerosol Acidity Determination by Reaction with 14C Labeled Amine.** 7 Mar 79, EPA/600/J-79/035, Environmental Sciences Research Lab., Research Triangle Park, NC.  
Order PB80-124464. Price code: PC A02/MF A01

**Aerosol Source Characterization Study in Miami, Florida. Microscopical Analysis.** Sep 79, EPA-600/3-79-097, IIT Research Inst., Chicago, IL.  
Order PB80-138035. Price code: PC A04/MF A01

**Air Pollution Emissions Inventory Systems. Appendix B. Emissions Inventory in Canada. A Report of the NATO/CCMS Pilot Study on Air Pollution Assessment Methodology and Modeling.** Jul 79, NATO Committee on the Challenges of Modern Society, Brussels (Belgium).  
Order PB80-159551. Price code: PC A04/MF A01

**Air Pollution Emissions Inventory Systems. Appendix D. Emissions Inventory in the Netherlands. A Report of the NATO/CCMS Pilot Study on Air Pollution Assessment Methodology and Modeling.** Jul 79, NATO Committee on the Challenges of Modern Society, Brussels (Belgium).  
Order PB80-159569. Price code: PC A07/MF A01

**Air Pollution Emissions Inventory Systems. Appendix E. Emissions Inventory in Norway. A Report of the NATO/CCMS Pilot Study on Air Pollution Assessment Methodology and Modeling.** Jul 79, NATO Committee on the Challenges of Modern Society, Brussels (Belgium).  
Order PB80-159577. Price code: PC A03/MF A01

**Air Quality Criteria for Ozone and Other Photochemical Oxidants.** Apr 78, EPA/600/8-78/004, Environmental Protection Agency, Research Triangle Park, NC. Environmental Criteria and Assessment Office.  
Order PB80-124753. Price code: PC A16/MF A01

**Air Quality Data for Metals, 1976, from the National Air Surveillance Networks.** Aug 79, EPA-600/4-79-054, Environmental Monitoring and Support Lab., Research Triangle Park, NC.  
Order PB80-147432. Price code: PC A12/MF A01

**Air Quality Impact of Proposed HDV Emission Standards - Summary of Results.** Dec 79, EPA-AA-TAEB-80-7, Environmental Protection Agency, Ann Arbor, MI. Technology Assessment and Evaluation Branch.  
Order PB80-145683. Price code: PC A04/MF A01

**Analysis of High NO2 Concentrations in California, 1975-1977.** Aug 79, EPA/450/4-79/034A, SRI International, Menlo Park, CA.  
Order PB80-123060. Price code: PC A06/MF A01

**Analysis of High Sulfate Concentrations in Greater New York City Air.** Dec 79, EPA/600/4-79/074, Environmental Sciences Research Lab., Research Triangle Park, NC.  
Order PB80-128515. Price code: PC A03/MF A01

**Analysis of In-House I/M Testing of a Three-Way Chevrolet Citation and a Three-Way Dodge Aspen.** Jan 80, EPA-AA-IMS-ST-80-1, Environmental Protection Agency, Ann Arbor, MI. Inspection and Maintenance Staff.  
Order PB80-139934. Price code: PC A02/MF A01

**Analysis of Technical Issues Relating to: California's Request for Waiver of Federal Preemption with Respect to Optional 100,000-Mile Exhaust Emission Standards and Test Procedures for 1980 and Subsequent Model Year Light-Duty Vehicles and 1981 and Subsequent Model Year Light-Duty Trucks and Medium-Duty Vehicles.** 5 Dec 79, EPA-AA-SDSB-79-33, Environmental Protection Agency, Ann Arbor, MI. Standards Development and Support Branch.  
Order PB80-159452. Price code: PC A02/MF A01

**An Analysis of Test Procedure Changes Made during 1975-1979 with Respect to Measured Fuel Economy Effects.** Dec 78, EPA-AA-SDSB-79-09, Environmental Protection Agency, Ann Arbor, MI. Standards Development and Support Branch.  
Order PB80-153786. Price code: PC A02/MF A01

**Applicability of Transmissometers to Opacity Measurement of Emissions, Oil-Fired Power and Portland Cement Plants.** Sep 79, EPA-600/2-79-188, Environmental Sciences Research Lab., Research Triangle Park, NC. Emissions Measurement and Characterization Div.  
Order PB80-135239. Price code: PC A04/MF A01

## GUIDE TO EPA PUBLICATIONS

**Application for Certification 1979 Model Year Heavy-Duty Diesel Engines - Caterpillar Tractor Co.** Oct 79, EPA/460/A-79/39, Caterpillar Tractor Co., Peoria, IL.  
Order PB80-100795. Price code: MF\$6.75

**Application for Certification 1979 Model Year Heavy-Duty Diesel Engines - Isuzu Motors Ltd.** Oct 79, EPA/460/A-79/41, Isuzu Motors Ltd., Southfield, MI.  
Order PB80-100803. Price code: MF\$5.75

**Application for Certification 1979 Model Year Heavy-Duty Diesel Engines - Mack Trucks, Inc.** Oct 79, EPA/460/A-79/42, Mack Trucks, Inc., Hagerstown, MD.  
Order PB80-100811. Price code: MF\$5.50

**Application for Certification 1979 Model Year Heavy-Duty Diesel Engines.** Oct 79, Caterpillar Tractor Co., Peoria, IL.  
Order PB80-100787. Price code: MF\$8.00

**Application for Certification 1979 Model Year Light-Duty Vehicles and Trucks - Isuzu Motors Ltd.** Oct 79, EPA/460/A-79/40, Isuzu Motors Ltd., Southfield, MI.  
Order PB80-100829. Price code: MF\$6.75

**Application of an Electrostatic Precipitator for Instrumental Sampling of Sulfuric Acid.** 23 Mar 79, EPA/600/J-79/044, Environmental Sciences Research Lab., Research Triangle Park, NC.  
Order PB80-124480. Price code: PC A02/MF A01

**Assessment of Bacteria and Virus Emissions at a Refuse Derived Fuel Plant and Other Waste Handling Facilities.** Aug 79, EPA-600/8-79-010, Midwest Research Inst., Kansas City, MO.  
Order PB80-141278. Price code: PC A03/MF A01

**Assessment of Diesel Particulate Control: Direct and Catalytic Oxidation.** Oct 79, EPA-600/7-79-232B, Battelle Columbus Labs., OH.  
Order PB80-128697. Price code: PC A03/MF A01

**Assessment of Diesel Particulate Control: Filters, Scrubbers, and Precipitators.** Oct 79, EPA/600/7-79/232A, Southern Research Inst., Birmingham, AL.  
Order PB80-128655. Price code: PC A09/MF A01

**Assessment of Methods for Control of Fugitive Emissions from Paved Roads.** Nov 79, EPA-600/7-79-239, Research Corp. of New England, Wethersfield, CT.  
Order PB80-139330. Price code: PC A03/MF A01

**Assessment of Vertical Distributions of Photochemical Pollutants and Meteorological Variables in the Vicinity of Urban Areas.** Aug 79, EPA-450/4-79-017, SRI International, Menlo Park, CA.  
Order PB80-139918. Price code: PC A09/MF A01

**Atmospheric Dispersion Modeling, A Critical Review.** 1979, EPA/600/J-79/034, Environmental Sciences Research Lab., Research Triangle Park, NC.  
Order PB80-124472. Price code: PC A02/MF A01

**Atmospheric Distributions, Sources and Sinks of Selected Halocarbons, Hydrocarbons, SF<sub>6</sub>, and N<sub>2</sub>O.** Nov 79, EPA-600/3-79-107, SRI International, Menlo Park, CA.  
Order PB80-142706. Price code: PC A07/MF A01

**Automotive Exhaust and Mouse Activity: Relationships between Pollutant Concentrations and Decreases in Wheel Running.** 1979, EPA/600/J-79/043, Health Effects Research Lab., Research Triangle Park, NC.  
Order PB80-124126. Price code: PC A02/MF A01

**A Battery-Operated Air Sampler for Remote Areas.** Nov 79, EPA/600/4-79/071, Environmental Monitoring and Support Lab., Las Vegas, NV.  
Order PB80-128978. Price code: PC A02/MF A01

**Benzene Vapor Depletion in the Presence of Plants.** Sep 79, EPA-600/3-79-096, Environmental Monitoring and Support Lab., Las Vegas, NV. Monitoring Systems Research and Development Div.  
Order PB80-141187. Price code: PC A02/MF A01

**The Bioenvironmental Impact of a Coal-Fired Power Plant, Fourth Interim Report, Colstrip, Montana, December, 1978.** Apr 79, EPA/600/3-79/044, Corvallis Environmental Research Lab., OR.  
Order PB80-125107. Price code: PC A99/MF A01

**Biogenic Hydrocarbon Contribution to the Ambient Air of Selected Areas - Tulsa; Great Smoky Mountains; Rio Blanco County, Colorado.** Jan 80, EPA-600/3-80-023, Environmental Sciences Research Lab., Research Triangle Park, NC. Atmospheric Chemistry and Physics Div.  
Order PB80-139066. Price code: PC A03/MF A01

**A Biologic Indicator for Air Pollution.** Sep 79, EPA-600/1-79-038, Los Angeles County-Univ. of Southern California Medical Center.  
Order PB80-143274. Price code: PC A03/MF A01

**Capital and Operating Costs of Selected Air Pollution Control Systems.** Dec 78, EPA-450/5-80-002, GARD, Inc., Niles, IL.  
Order PB80-157282. Price code: PC A13/MF A01

**Carbon Monoxide Hot Spot Guidelines Mobile Model.** 1 Jan 80, EPA/DF-80/002, Environmental Protection Agency, Research Triangle Park, NC. Monitoring and Data Analysis Div.  
Order PB80-150204. Price code: CP T06

**Carbon Monoxide Hot Spot Guidelines. Volume IV: Documentation of Computer Programs to Generate Volume I**

## GUIDE TO EPA PUBLICATIONS

**Curves and Tables**, Aug 78, EPA/DF-80/002C, GCA Corp., Bedford, MA. GCA Technology Div.  
Order PB80-150212. Price code: PC A19/MF A01

**Carbon Monoxide Hot Spot Guidelines. Volume V: User's Manual for Intersection-Midblock Model**, Aug 78, EPA/DF-80/002A, GCA Corp., Bedford, MA. GCA Technology Div.  
Order PB80-150220. Price code: PC A11/MF A01

**Carbon Monoxide Hot Spot Guidelines. Volume VI: User's Manual for the Modified ISMAP Model**, Aug 78, EPA/DF-80/002B, GCA Corp., Bedford, MA. GCA Technology Div.  
Order PB80-150238. Price code: PC A11/MF A01

**Casual Misfueling of Catalyst Equipped Vehicles**, Oct 79, EPA-AA-TAEB-80-1, Environmental Protection Agency, Ann Arbor, MI. Technology Assessment and Evaluation Branch.  
Order PB80-153950. Price code: MF A01

**Cellcote Ionizing Wet Scrubber Evaluation**, Nov 79, EPA-600/7-79-246, Meteorology Research, Inc., Altadena, CA.  
Order PB80-131170. Price code: PC A06/MF A01

**Characterization of Gaseous and Particulate Emissions from Light Duty Diesels Operated on Various Fuels**, Jul 79, EPA/460/3-79/008, Southwest Research Inst., San Antonio, TX.  
Order PB80-122443. Price code: PC A15/MF A01

**Characterization of Sulfates, Odor, Smoke, POM and Particulates from Light and Heavy Duty Engines - Part IX**, Jun 79, EPA/460/3-79/007, Southwest Research Inst., San Antonio, TX.  
Order PB80-121551. Price code: PC A23/MF A01

**Characterization of Visibility-Reducing Aerosols in the Southwest. Project VISTTA. Progress Report No. 1**, Nov 79, EPA-600/7-79-243, Meteorology Research, Inc., Altadena, CA.  
Order PB80-139041. Price code: PC A04/MF A01

**Chemical Analysis of Wet Scrubbers Utilizing Ion Chromatography**, Jul 79, EPA/600/7-79/151, TRW Defense and Space Systems Group, Redondo Beach, CA.  
Order PB80-124332. Price code: PC A04/MF A01

**Comparative Study of Plume Opacity Measurement Methods**, Jan 80, EPA/600/2-80-001, Environmental Sciences Research Lab., Research Triangle Park, NC.  
Order PB80-128440. Price code: PC A03/MF A01

**Compliance Data System User's Guide**, Dec 79, EPA-340/1-78-003, Research Corp. of New England, Wethersfield, CT.  
Order PB80-147804. Price code: PC A14/MF A01

**Compliance Status of Major Air Pollution Facilities**, Feb 80, EPA-340/1-80-004, Environmental Protection Agency, Washington, DC. Div. of Stationary Source Enforcement.  
Order PB80-154560. Price code: PC A99/MF A01

**Control of Air Emissions from Process Operations in the Rock Crushing Industry**, Feb 79, EPA-340/1-79-002, JACA Corp., Fort Washington, PA.  
Order PB80-131840. Price code: PC A05/MF A01

**Control of Particulate Emissions in the Primary Nonferrous Metals Industries**, Dec 79, EPA-600/2-79-211, Southern Research Inst., Birmingham, AL.  
Order PB80-151822. Price code: PC A22/MF A01

**Control Techniques for Carbon Monoxide Emissions**, Jun 79, EPA/450/3-79/006, Environmental Protection Agency, Research Triangle Park, NC. Office of Air Quality Planning and Standards.  
Order PB80-140510. Price code: PC A18/MF A01

**Cross-Country Urban and Rural Measurements of NOx and SO2**, Jan 80, EPA-600/2-80-023, Environmental Measurements, Inc., San Francisco, CA.  
Order PB80-137227. Price code: PC A04/MF A01

**Cross-Stack Optical Convolution Velocimeter Development and Evaluation of a Breadboard Design**, Oct 79, EPA-600/2-79-192, Bolt Beranek and Newman, Inc., Cambridge, MA.  
Order PB80-129273. Price code: PC A03/MF A01

**CO Hot Spot Preliminary Investigation**, Dec 77, EPA-AA-TAEB-77-13, Environmental Protection Agency, Ann Arbor, MI. Technology Assessment and Evaluation Branch.  
Order PB80-145188. Price code: PC A05/MF A01

**Demonstration of Wellman-Lord/Allied Chemical FGD Technology: Demonstration Test First Year Results**, Sep 79, EPA-600/7-79-014B, TRW, Inc., Durham, NC.  
Order PB80-146897. Price code: PC A05/MF A01

**Design Criteria for Stationary Source Catalytic Combustion Systems**, Aug 79, EPA-600/7-79-181, Acurex Corp., Mountain View, CA. Energy and Environmental Div.  
Order PB80-147317. Price code: PC A20/MF A01

**Determination of the Effects of Ambient Conditions on CFM56 Aircraft Engine Emissions**, Dec 79, EPA-460/3-79/011, General Electric Co., Cincinnati, OH. Aircraft Engine Group.  
Order PB80-138597. Price code: PC A06/MF A01

**Development of an Automatic H2SO4 Monitor**, Jul 79, EPA-600/7-79-153, TRW Defense and Space Systems Group, Redondo Beach, CA.  
Order PB80-138191. Price code: PC A05/MF A01

## GUIDE TO EPA PUBLICATIONS

**Development of Petroleum Refinery Plot Plans.** Jun 78, EPA-450/3-78-025, Pacific Environmental Services, Inc., Santa Monica, CA.  
Order PB80-159288. Price code: PC A09/MF A01

**Devolatilization Kinetics and Elemental Release in the Pyrolysis of Pulverized Coal.** Nov 79, EPA-600/7-79/241, North Carolina State Univ. at Raleigh. Dept. of Chemical Engineering.  
Order PB80-130222. Price code: PC A14/MF A01

**Direct Reduction: A Review of Commercial Processes.** Jan 80, EPA-600/2-80-036, Industrial Environmental Research Lab., Research Triangle Park, NC.  
Order PB80-150113. Price code: PC A04/MF A01

**Documentation of the Regional Air Pollution Study (RAPS) and Related Investigations in the St. Louis Air Quality Control Region.** Dec 79, EPA-600/4-79-076, Rockwell International, Creve Coeur, MO. Environmental Monitoring and Services Center.  
Order PB80-138241. Price code: PC A99/MF A01

**Dust Transport in Maricopa County, Arizona.** Sep 79, EPA/600/3-79-082, Texas Univ. at Austin. Dept. of Chemical Engineering.  
Order PB80-122252. Price code: PC A04/MF A01

**Dusts and Residues from Machining and Incinerating Graphite/Epoxy Composites. A Preliminary Study.** Nov 79, EPA-600/2-79-196, Environmental Sciences Research Lab., Research Triangle Park, NC.  
Order PB80-144421. Price code: PC A02/MF A01

**DRAFT Recommended Practice for Measurement of Gaseous and Particulate Emissions from Heavy-Duty Diesel Engines Under Transient Conditions.** Apr 79, EPA-AA-SDSB-79-18, Environmental Protection Agency, Ann Arbor, MI. Standards Development and Support Branch.  
Order PB80-153943. Price code: PC A05/MF A01

**Economic and Administrative Feasibility Analysis of Alternative New-Car NO<sub>x</sub> Emission Charge Strategies.** 15 Dec 79, EPA-230/3-79-005, Policy Planning and Evaluation, Inc., McLean, VA.  
Order PB80-141617. Price code: PC A07/MF A01

**The Economic Effects of Environmental Expenditures on the Construction Industry.** Sep 79, Public Research Inst Alexandria VA  
Order AD-A079 740/7. Price code: PC A07/MF A01

**The Economic Effects of Environmental Expenditures on the Construction Industry.** Sep 79, EPA/230/3-79/008, Public Research Inst., Alexandria, VA.  
Order PB80-135361. Price code: PC A07/MF A01

**Economic Impact of Implementing RACT (Reasonably Available Control Technology) Guidelines in the Non-Attainment Areas for Ozone in North Carolina.** Mar 79, EPA-904/9-79-035, Booz-Allen and Hamilton, Inc., Florham Park, NJ. Foster D. Snell Div.  
Order PB80-132426. Price code: PC A05/MF A01

**Economic Impact of Implementing RACT Guidelines in the Non-Attainment Areas for Ozone in South Carolina.** Mar 79, EPA/904/9-79-032, Booz-Allen and Hamilton, Inc., Florham Park, NJ. Foster D. Snell Div.  
Order PB80-134067. Price code: PC A13/MF A01

**Emission Growth Factors for the Niagara Frontier.** Jul 79, EPA/902/4-78/010, Erie and Niagara Counties Regional Planning Board, Grand Island, NY.  
Order PB80-122625. Price code: PC A07/MF A01

**Emission Testing of a 1976 Toyota with the TTC-L Lean Burn Engine.** Sep 76, EPA-AA-TAEB-76-27, Environmental Protection Agency, Ann Arbor, MI. Technology Assessment and Evaluation Branch.  
Order PB80-159460. Price code: PC A02/MF A01

**Emission Testing of 1974 Pontiac V-8 with Defective Thermal Vacuum Valves.** Jun 76, EPA-AA-TAEB-76-21, Environmental Protection Agency, Ann Arbor, MI. Technology Assessment and Evaluation Branch.  
Order PB80-159478. Price code: PC A02/MF A01

**Emissions Update and Projections for Indiana Air Quality Maintenance Areas. Volume III. Lake and Porter Counties.** Mar 77, EPA/905/2-77/002B, Radian Corp., Austin, TX.  
Order PB80-137623. Price code: PC A10/MF A01

**Emissions Update and Projections for Indiana Air Quality Maintenance Areas. Volume IV. Vanderburgh County, Indiana and Henderson and Daviess Counties, Kentucky.** Mar 77, EPA/905/2-77/002C, Radian Corp., Austin, TX.  
Order PB80-137631. Price code: PC A12/MF A01

**Empirical Studies of the Relationships Between Emissions and Visibility in the Southwest.** Sep 79, EPA-450/5-79-009, Technology Service Corp., Santa Fe, NM.  
Order PB80-156136. Price code: PC A06/MF A01

**End Use of Solvents Containing Volatile Organic Compounds,** May 79, EPA/450/3-79/032, Research Corp. of New England, Wethersfield, CT.  
Order PB80-124423. Price code: PC A08/MF A01

**Engineering/Economic Analyses of Coal Preparation with SO<sub>2</sub> sub 2 Cleanup Processes for Keeping Higher Sulfur Coals in the Energy Market.** Jan 78, Hoffman-Muntner Corp., Silver Spring, MD.  
Order EPA-600/7-78-002. Price code: PC A12/MF A01

## GUIDE TO EPA PUBLICATIONS

**Environmental Assessment of Coal Cleaning Processes. Second Annual Report.** Dec 79, EPA-600/7-79-073G, Battelle Columbus Labs., OH.  
Order PB80-151061. Price code: PC A04/MF A01

**Environmental Assessment of Coal Cleaning Processes: Technology Overview.** Sep 79, EPA-600/7-79-073E, Battelle Columbus Labs., OH.  
Order PB80-128143. Price code: PC A05/MF A01

**Environmental Protection Agency Performance Test Methods. Parts I and II.** Aug 78, EPA-340/1-78-011, PEDCo-Environmental, Inc., Cincinnati, OH.  
Order PB80-132236. Price code: PC A10/MF A01

**Environmental Standards for Coal Conversion Processes. Volume I: Most Stringent, Federal, and Selected State Regulations.** Oct 79, EPA/600/7-79/231A, Pullman Kellogg, Houston, TX.  
Order PB80-126980. Price code: PC A12/MF A01

**Environmental Standards for Coal Conversion Processes. Volume II. Selected State, Mexican, and Canadian Regulations.** Oct 79, EPA-600/7-79-231B, Pullman Kellogg, Houston, TX.  
Order PB80-131584. Price code: PC A16/MF A01

**An Evaluation of a Diesel-Powered Taxicab.** Jul 76, EPA-AA-TAEB-76-25, Environmental Protection Agency, Ann Arbor, MI. Technology Assessment and Evaluation Branch.  
Order PB80-159445. Price code: PC A02/MF A01

**Evaluation of the Ames Solid Waste Recovery System. Part III: Environmental Emissions of the Stoker Fired Steam Generators.** Oct 79, EPA-600/7-79-222, Ames, IA.  
Order PB80-132608. Price code: PC A08/MF A01

**An Evaluation of the Ball-Matic Device, a PCV Air Bleed.** Jun 76, EPA-AA-TAEB-76-23, Environmental Protection Agency, Ann Arbor, MI. Technology Assessment and Evaluation Branch.  
Order PB80-159429. Price code: PC A02/MF A01

**Evaluation of the FuelXpander.** 1980, EPA-AA-TAEB-80-2, Environmental Protection Agency, Ann Arbor, MI. Technology Assessment and Evaluation Branch.  
Order PB80-140809. Price code: PC A03/MF A01

**An Evaluation of the Morse Constant Speed Accessory Drive.** Jun 76, EPA-AA-TAEB-76-20, Environmental Protection Agency, Ann Arbor, MI. Technology Assessment and Evaluation Branch.  
Order PB80-159601. Price code: PC A02/MF A01

**Evaluation of the State Implementation Plan Revision Submitted by New York State in Fulfillment of the**

**Moynihan-Holtzman Amendment.** Sep 79, EPA-902/4-79-004, Kornhauser (Alain L.) and Associates, Princeton, NJ.  
Order PB80-150279. Price code: PC A09/MF A01

**Evaluation of the Texaco Stratified Charge (TCCS) M-151 Army Vehicle.** Jun 73, EPA-AA-TAEB-73-27, Environmental Protection Agency, Ann Arbor, MI. Technology Assessment and Evaluation Branch.  
Order PB80-159437. Price code: PC A02/MF A01

**Evaluation of Applicability of Inspection/Maintenance Tests on a Chevrolet Citation.** Nov 79, EPA-AA-TAEB-80-6, Environmental Protection Agency, Ann Arbor, MI. Technology Assessment and Evaluation Branch.  
Order PB80-144827. Price code: PC A02/MF A01

**Evaluation of Emission Test Methods for Halogenated Hydrocarbons. Volume II. CH<sub>2</sub>Cl<sub>2</sub>, CH<sub>3</sub>CCl<sub>3</sub>, CF<sub>2</sub>CICFCI<sub>2</sub>, and CH<sub>2</sub>BrCH<sub>2</sub>Br.** Jan 80, EPA-600/4-80/003, Environmental Monitoring Systems Lab., Research Triangle Park, NC. Quality Assurance Div.  
Order PB80-145972. Price code: PC A03/MF A01

**Evaluation of Fugitive Dust Emissions from Mining.** Apr 76, PEDCo-Environmental, Inc., Cincinnati, OH.  
Order PB80-123557. Price code: PC A07/MF A01

**Evaluation of HC (Hydrocarbon) Control Strategies for General Aviation Piston Engines.** Jul 79, EPA-AA-SDSB-79-17, Environmental Protection Agency, Ann Arbor, MI. Standards Development and Support Branch.  
Order PB80-155393. Price code: PC A02/MF A01

**Evaluation of Physical/Chemical Coal Cleaning and Flue Gas Desulfurization.** Nov 79, EPA-600/7-79-250, Tennessee Valley Authority, Muscle Shoals, AL. Emission Control Development Projects.  
Order PB80-147622. Price code: PC A17/MF A01

**Evaluation of Stationary Source Particulate Measurement Methods. Volume IV. Basic Oxygen Furnaces.** Aug 79, EPA/600/2-79/141, Battelle Columbus Labs., OH.  
Order PB80-141633. Price code: PC A04/MF A01

**Evaluation of Two Turbocharged Diesel Volkswagen Rabbits.** Oct 79, EPA-AA-TAEB-80-4, Environmental Protection Agency, Ann Arbor, MI. Technology Assessment and Evaluation Branch.  
Order PB80-148562. Price code: PC A04/MF A01

**Example Control Strategy for Ozone. Volume 1: General Guidance for Nonattainment Areas.** Apr 79, EPA/450/2-79/001A, Association of Bay Area Governments, Berkeley, CA.  
Order PB80-121445. Price code: PC A07/MF A01

**Executive Summary for Full-Scale Dual-Alkali Demonstration System at Louisville Gas and Electric Co. - Final**

## GUIDE TO EPA PUBLICATIONS

**Design and System Cost.** Sep 79, EPA-600/7-79-221A, Louisville Gas and Electric Co., KY.  
Order PB80-146707. Price code: PC A03/MF A01

**Exhaust Emissions and Fuel Economy of a Diesel-Powered Citroen Sedan.** Aug 76, EPA-AA-TAEB-76-26, Environmental Protection Agency, Ann Arbor, MI. Technology Assessment and Evaluation Branch.  
Order PB80-159593. Price code: PC A02/MF A01

**Exhaust Emissions from an Opel Diesel Equipped with Reverse Flow Damping Valves.** Jun 76, EPA-AA-TAEB-76-22, Environmental Protection Agency, Ann Arbor, MI. Technology Assessment and Evaluation Branch.  
Order PB80-159585. Price code: PC A02/MF A01

**Existing Visibility Levels in the United States. Isopleth Maps of Visibility in Suburban/Nonurban Area During 1974-76.** Sep 79, EPA-450/5-79-010, Technology Service Corp., Santa Fe., NM.  
Order PB80-156177. Price code: PC A03/MF A01

**The EPA Meteorological Wind Tunnel, Its Design, Construction, and Operating Characteristics.** Sep 79, EPA-600/4-79-051, Environmental Sciences Research Lab., Research Triangle Park, NC. Meteorology and Assessment Div.  
Order PB80-135346. Price code: PC A05/MF A01

**EPA Utility FGD (Flue Gas Desulfurization) Survey: April-June 1979.** Aug 79, EPA-600/7-79-022E, PEDCo-Environmental, Inc., Cincinnati, OH.  
Order PB80-147630. Price code: PC A10/MF A01

**EPA Utility FGD Survey: February-March 1979,** Jul 79, EPA/600/7-79/022D, PEDCo-Environmental, Inc., Cincinnati, OH.  
Order PB80-122633. Price code: PC A09/MF A01

**EPA Utility FGD Survey: July-September, 1979.** Oct 79, EPA-600/7-79-022F, PEDCo-Environmental, Inc., Cincinnati, OH.  
Order PB80-131592. Price code: PC A12/MF A01

**EPA/IERL-RTP Pilot Electrostatic Precipitator - Selected Experiments, 1978.** Nov 79, EPA/600/7-79/238, Industrial Environmental Research Lab., Research Triangle Park, NC.  
Order PB80-124829. Price code: PC A04/MF A01

**EPA/IERL-RTP Procedures Manual: Level 2 Sampling and Analysis of Selected Reduced Inorganic Compounds.** Nov 79, EPA-600/2-79-199, TRW Defense and Space Systems Group, Redondo Beach, CA.  
Order PB80-149933. Price code: PC A07/MF A01

**Field Tests of Industrial Stoker Coal-fired Boilers for Emissions Control and Efficiency Improvement - Site D.** Nov 79, EPA-600/7-79-237A, KVB, Inc., Minneapolis, MN.  
Order PB80-144991. Price code: PC A06/MF A01

**Field Tests of Industrial Stoker Coal-Fired Boilers for Emissions Control and Efficiency Improvement - Site C (Data Supplement).** Jul 79, EPA/600/7-79/130B, KVB, Inc., Minneapolis, MN.  
Order PB80-119340. Price code: PC A19/MF A01

**Field Tests of Industrial Stoker Coal-Fired Boilers for Emissions Control and Efficiency Improvement - Site C.** May 79, EPA/600/7-79/130A, KVB, Inc., Minneapolis, MN.  
Order PB80-119324. Price code: PC A07/MF A01

**Fugitive Dust at the Paraho Oil Shale Demonstration Re-tort and Mine.** Oct 79, EPA/600/7-79/208, TRW Environmental Engineering Div., Redondo Beach, CA.  
Order PB80-122591. Price code: PC A05/MF A01

**Full-Scale Dual-Alkali Demonstration System at Louisville Gas and Electric Co. - Final Design and System Cost.** Sep 79, EPA-600/7-79-221B, Louisville Gas and Electric Co., KY.  
Order PB80-146715. Price code: PC A06/MF A01

**A Gas-Exchange System for Assessing Plant Performance in Response to Environmental Stress,** Oct 79, EPA/600/3-79/108, Corvallis Environmental Research Lab., OR.  
Order PB80-122484. Price code: PC A02/MF A01

**Gridded Annual Pollutant Emissions East of the Rocky Mountains,** May 79, EPA/600/4-79/030, Environmental Sciences Research Lab., Research Triangle Park, NC.  
Order PB80-124258. Price code: PC A09/MF A01

**Guidance for Lowest Achievable Emission Rates from 18 Major Stationary Sources of Particulate, Nitrogen Oxides, Sulfur Dioxide, or Volatile Organic Compounds.** Apr 79, EPA-450/3-79-024, PEDCo-Environmental, Inc., Cincinnati, OH.  
Order PB80-140262. Price code: PC A16/MF A01

**Guidance to State and Local Agencies in Preparing Regulations to Control Volatile Organic Compounds from Ten Stationary Source Categories.** Sep 79, EPA-450/2-79-004, GCA Corp., Bedford, MA. GCA Technology Div.  
Order PB80-157290. Price code: PC A16/MF A01

**Heavy-Duty Engine Baseline Program (1969) and 1983 Emission Standards Development.** May 79, Environmental Protection Agency, Ann Arbor, MI. Standards Development and Support Branch.  
Order PB80-120678. Price code: PC A06/MF A01

## GUIDE TO EPA PUBLICATIONS

**High Gradient Magnetic Particulate Collection.** 1978, EPA-600/J-78-151, Research Triangle Inst., Research Triangle Park, NC.  
Order PB80-130370. Price code: PC A02/MF A01

**Houston Urban Plume Study, 1974. Microscopical Identification of Collected Aerosols.** Sep 79, EPA-600/3-79-090, IIT Research Inst., Chicago, IL.  
Order PB80-139074. Price code: PC A04/MF A01

**Implementation of a Microcomputer-Modified Electrical Aerosol Analyzer,** Aug 79, EPA/600/2-79/140, Environmental Sciences Research Lab., Research Triangle Park, NC.  
Order PB80-125057. Price code: PC A04/MF A01

**Industrial Source Complex (ISC) Dispersion Model User's Guide. Volume I.** Dec 79, EPA/DF-80/003A, Cramer (H. E.) Co., Inc., Salt Lake City, UT.  
Order PB80-133044. Price code: PC A16/MF A01

**Industrial Source Complex (ISC) Dispersion Model User's Guide. Volume II: Appendices A through I.** Dec 79, EPA/DF-80/003B, Cramer (H. E.) Co., Inc., Salt Lake City, UT.  
Order PB80-133051. Price code: PC A20/MF A01

**Industrial Source Complex (ISC) Dispersion Model.** Jan 80, EPA/DF-80/003, Environmental Protection Agency, Research Triangle Park, NC. Office of Air Quality Planning and Standards.  
Order PB80-133036. Price code: CP T06

**Light Duty Vehicle and Light Duty Truck Emission Performance Warranty; Short Tests and Standards.** Dec 79, EPA-AA-IMS-009/ST-1, Environmental Protection Agency, Ann Arbor, MI. Inspection and Maintenance Staff.  
Order PB80-125602. Price code: PC A03/MF A01

**Long-Range Transport and Transformation of SO<sub>2</sub> and Sulfate.** Nov 79, EPA-600/4-79-068, Colorado State Univ., Fort Collins. Dept. of Atmospheric Science.  
Order PB80-134950. Price code: PC A09/MF A01

**Measurement of Perchloroethylene in Ambient Air.** Aug 79, EPA-600/4-79-047, Environmental Monitoring and Support Lab., Research Triangle Park, NC.  
Order PB80-144678. Price code: PC A10/MF A01

**Mechanisms of Photochemical Reactions in Urban Air.** Nov 79, EPA-600/3-79-110, California Univ., Riverside.  
Order PB80-132384. Price code: PC A25/MF A01

**Methods for Analyzing Inorganic Compounds in Particles Emitted from Stationary Sources.** Sep 79, EPA-600/7-79-206, Battelle Columbus Labs., OH.  
Order PB80-141781. Price code: PC A07/MF A01

**Mobil Lidar System Developments and Operating Procedures.** Nov 79, EPA-600/2-79-197, General Electric Co., Philadelphia, PA. Space Div.  
Order PB80-132715. Price code: PC A03/MF A01

**Modeling Wind Distributions Over Complex Terrain,** Oct 79, EPA-600/4-79-066, Systems Applications, Inc., San Rafael, CA.  
Order PB80-140783. Price code: PC A06/MF A01

**Monitoring System for Collection and Analyses of Ambient Ethylene Dichloride (EDC) Levels in the Urban Atmosphere,** Sep 79, EPA-600/4-79-059, PEDCo-Environmental, Inc., Cincinnati, OH.  
Order PB80-144819. Price code: PC A04/MF A01

**Motor Vehicle Emissions Inspection/Maintenance Program for Tennessee.** Mar 79, EPA-904/9-79-030, Systems Control, Inc., Anaheim, CA. Environmental Engineering Div.  
Order PB80-141344. Price code: PC A18/MF A01

**Motor Vehicle Inspection/Maintenance for the State of South Carolina.** Feb 79, EPA/904/9-79/028A, Systems Control, Inc., Anaheim, CA. Environmental Engineering Div.  
Order PB80-140403. Price code: PC A13/MF A01

**National Emissions Data System (NEDS), Fuel Use Report (1976).** Aug 79, EPA-450/4-79-020, Environmental Protection Agency, Research Triangle Park, NC. Office of Air Quality Planning and Standards.  
Order PB80-146905. Price code: PC A07/MF A01

**A Novel Device for Charging High Resistivity Dust.** 1978, EPA-600/J-78-153, Industrial Environmental Research Lab., Research Triangle Park, NC.  
Order PB80-129968. Price code: PC A02/MF A01

**Optimum Meteorological and Air Pollution Sampling Network Selection in Cities: Volume II. Evaluation of Wind Field Predictions for St. Louis,** Oct 79, EPA-600/4-79-069, Research Triangle Inst., Research Triangle Park, NC.  
Order PB80-153364. Price code: PC A06/MF A01

**Overview of Pollution from Combustion of Fossil Fuels in Boilers of the United States.** Oct 79, EPA/600/7-79-233, PEDCo-Environmental, Inc., Cincinnati, OH.  
Order PB80-124969. Price code: PC A04/MF A01

**Oxidant-Precursor Relationships.** Aug 79, EPA/600/3-79-076, California Univ., Riverside. Statewide Air Pollution Research Center.  
Order PB80-122278. Price code: PC A04/MF A01

**Ozone and Precursor Transport into an Urban Area - Evaluation of Measurement Approaches.** Dec 79, EPA-450/4-79-039, AeroVironment, Inc., Pasadena, Ca.  
Order PB80-153927. Price code: PC A08/MF A01

## GUIDE TO EPA PUBLICATIONS

**Particulate Control Highlights: Recent Developments in Japan.** Nov 79, EPA-600/8-79-031A, Industrial Environmental Research Lab., Research Triangle Park, NC.  
Order PB80-148802. Price code: PC A03/MF A01

**Particulate Control Highlights: Research at High Temperature/Pressure,** Dec 79, EPA/600/8-79/031B, Industrial Environmental Research Lab., Research Triangle Park, NC.  
Order PB80-149891. Price code: PC A02/MF A01

**Particulate Measurement-Evaluation of the Equivalency of the Three-Bag and Four-Bag LA-4 Dynamometer Test Procedures.** Mar 79, EPA-AA-SDSB-79-15, Environmental Protection Agency, Ann Arbor, MI. Standards Development and Support Branch.  
Order PB80-155443. Price code: PC A02/MF A01

**Particulate Sampling and Support: Final Report. Executive Summary.** Nov 79, EPA/600/2-79-114A, Southern Research Inst., Birmingham, AL.  
Order PB80-149883. Price code: PC A03/MF A01

**Performance Measures and Standards for Air Quality Simulation Models.** Oct 79, EPA-450/4-79-032, Systems Applications, Inc., San Rafael, CA.  
Order PB80-152838. Price code: PC A14/MF A01

**Photochemistry of Some Naturally Emitted Hydrocarbons.** Sep 79, EPA-600/3-79-081, Environmental Sciences Research Lab., Research Triangle Park, NC.  
Order PB80-131980. Price code: PC A07/MF A01

**Pollutant Measurements in Plumes from Power Plants and Cities - St. Louis Area, July 1976. A Project MISTT (Midwest Sulfur Transformation and Transport) Report.** Nov 79, EPA-600/7-79-242, Meteorology Research, Inc., Altadena, CA.  
Order PB80-139058. Price code: PC A04/MF A01

**Population and Characteristics of Industrial/Commercial Boilers in the U.S.** Aug 79, EPA-600/7-79-178A, PEDCo-Environmental, Inc., Cincinnati, OH.  
Order PB80-150881. Price code: PC A20/MF A01

**Portable Miniature Sampler for Potential Airborne Carcinogens in Microenvironments. Phase 1 Development.** Jan 80, EPA-600/2-80-026, Monsanto Research Corp., Dayton, OH.  
Order PB80-150105. Price code: PC A05/MF A01

**Portland Study Element I - Short Test Correlation Study.** Mar 79, EPA-460/3-79-001, Hamilton Test Systems, Inc., Phoenix, AZ.  
Order PB80-151210. Price code: PC A13/MF A01

**Portland Study Element III - Post - I/M Deterioration Study.** Jul 79, EPA-460/3-79-009, Hamilton Test Systems, Inc., Phoenix, AZ.  
Order PB80-150907. Price code: PC A99/MF A01

**Potential Atmospheric Carcinogens, Phase 1. Identification and Classification.** Jan 80, EPA-600/2-80-015, Monsanto Research Corp., Dayton, OH. Dayton Lab.  
Order PB80-131428. Price code: PC A12/MF A01

**Power Plant Impacts on Air Quality and Visibility: Siting and Emission Control Implications.** 14 Aug 79, EPA-230/11-79/001, Systems Applications, Inc., San Rafael, CA.  
Order PB80-123516. Price code: PC A07/MF A01

**Power Plant Stack Plumes in Complex Terrain. Data Analysis and Characterization of Plume Behavior.** Jan 80, EPA-600/7-80-008, Geomet, Inc., Gaithersburg, MD.  
Order PB80-140999. Price code: PC A15/MF A01

**Preservation of Reactor Test Unit and Desulfurization of Gob Pile Samples.** Nov 79, EPA-600/7-79-240, TRW Defense and Space Systems Group, Redondo Beach, CA.  
Order PB80-121411. Price code: PC A09/MF A01

**Primary Aluminum: Guidelines for Control of Fluoride Emissions from Existing Primary Aluminum Plants.** Dec 79, EPA-450/2-78-049B, Environmental Protection Agency, Research Triangle Park, NC. Office of Air Quality Planning and Standards.  
Order PB80-153935. Price code: PC A15/MF A01

**Procedures for Evaluating the Performance of Air Quality Simulation Models,** Oct 79, EPA/450/4-79-033, Systems Applications, Inc., San Rafael, CA.  
Order PB80-125206. Price code: PC A08/MF A01

**Proceedings of the Conference on Methyl Chloroform and Other Halocarbon Pollutants Held at Washington, DC. on February 27-28, 1979.** Jan 80, EPA-600/9-80-003, Environmental Sciences Research Lab., Research Triangle Park, NC.  
Order PB80-142433. Price code: PC A11/MF A01

**Proton Induced Gamma-Ray Analysis of Atmospheric Aerosols for Carbon, Nitrogen, and Sulfur Composition,** c1978, EPA/600/J-78/158, Environmental Sciences Research Lab., Research Triangle Park, NC.  
Order PB80-128358. Price code: Not available NTIS

**Public Notification Guideline.** Oct 79, EPA/450/2-79/005A, Environmental Protection Agency, Research Triangle Park, NC. Office of Air Quality Planning and Standards.  
Order PB80-124191. Price code: PC A03/MF A01

**Quality Assurance in Support of Energy Related Monitoring Activities.** Jun 79, EPA-600/7-79-136, Rockwell International, Newbury Park, CA. Air Monitoring Center.  
Order PB80-135270. Price code: PC A04/MF A01

## GUIDE TO EPA PUBLICATIONS

### **Regional Air Pollution Study. Carbon Dioxide Effects on RAMS (Regional Air Monitoring System) Sulfur Monitors.**

Oct 79, EPA-600/4-79-065, Rockwell International, Creve Coeur, MO. Environmental Monitoring and Services Center.

Order PB80-137508. Price code: PC A03/MF A01

### **Research for Particulate Control. EPA's Mobile Test Vans.**

1979, EPA/600/8-80/001, Industrial Environmental Research Lab., Research Triangle Park, NC.

Order PB80-123045. Price code: PC A02/MF A01

### **Residual Monomers in Acrylic and Modacrylic Fibers and Fabrics.**

Jul 79, EPA-560/11-80-003, Southern Research Inst., Birmingham, AL.

Order PB80-129166. Price code: PC A02/MF A01

### **Resources and Pollution Control: Demonstration of a Comprehensive Assessment.**

Sep 79, EPA-600/5-79-010, Environmental Protection Agency, Washington, DC. Office of Environmental Processes and Effects Research.

Order PB80-143837. Price code: PC A99/MF A01

### **Results of Inspection/Maintenance Catalyst Tests on a 1975 Dodge Dart.**

Dec 79, EPA-AA-TAEB-80-3, Environmental Protection Agency, Ann Arbor, MI. Technology Assessment and Evaluation Branch.

Order PB80-140015. Price code: PC A02/MF A01

### **Review of New Source Performance Standards for Phosphate Fertilizer Industry.**

Nov 79, EPA-450/3-79-038, Environmental Protection Agency, Research Triangle Park, NC. Emission Standards and Engineering Div.

Order PB80-156151. Price code: PC A05/MF A01

### **Revised Prioritized List of Source Categories for NSPS (New Source Performance Standards) Promulgation.**

Mar 79, EPA-450/3-79-023, Argonne National Lab., IL. Energy and Environmental Systems Div.

Order PB80-139348. Price code: PC A03/MF A01

### **Sammis Generating Station: Meeting SO<sub>2</sub> and Particulate Standards with Cleaned Ohio Coals.**

Jan 80, EPA-600/7-80-009, Teknekron Research, Inc., Berkeley, CA. Energy and Environmental Systems Div.

Order PB80-147077. Price code: PC A06/MF A01

### **Sampling Parameters for Sulfate Measurement and Characterization.**

29 Dec 78, EPA/600/J-79/045, Environmental Sciences Research Lab., Research Triangle Park, NC.

Order PB80-121395. Price code: PC A02/MF A01

### **Screening Study on Feasibility of Standards of Performance for Secondary Aluminum Manufacturing.**

Sep 78, EPA-450/3-79-037A, TRC Environmental Consultants, Inc., Wethersfield, CT.

Order PB80-132954. Price code: PC A08/MF A01

### **Screening Study on Feasibility of Standards of Performance for Secondary Aluminum Manufacturing, Appendices.**

Sep 78, EPA-450/3-79-037B, TRC Environmental Consultants, Inc., Wethersfield, CT.

Order PB80-161284. Price code: PC A10/MF A01

### **Select Research Group in Air Pollution Meteorology.**

Feb 80, EPA-600/4-80-012, Pennsylvania State Univ., University Park.

Order PB80-166879. Price code: PC A05/MF A01

### **Sensitivity of Soil Regions to Acid Precipitation.**

Jan 80, EPA-600/3-80-013, Purdue Univ., Lafayette, IN. Dept. of Agronomy.

Order PB80-167034. Price code: PC A09/MF A01

### **Shawnee Lime/Limestone Scrubbing Computerized Design/Cost-Estimate Model Users Manual.**

Aug 79, EPA/600/7-79/210, Tennessee Valley Authority, Muscle Shoals, AL. Emission Control Development Projects.

Order PB80-123037. Price code: PC A05/MF A01

### **Sinter Plant Windbox Recirculation and Gravel Bed Filter Demonstration. Phase 2. Construction, Operation, and Evaluation.**

Nov 79, EPA-600/2-79-203, National Steel Corp., Weirton, WV. Weirton Steel Div.

Order PB80-147010. Price code: PC A06/MF A01

### **Solid Sorbent for Collecting Atmospheric Sulfur Dioxide.**

Dec 79, EPA-600/2-79-205, Union Carbide Corp., Bound Brook, NJ.

Order PB80-131949. Price code: PC A03/MF A01

### **Source Assessment: Analysis of Uncertainty--Principles and Applications.**

Aug 78, EPA-600/2-78-004U, Monsanto Research Corp., Dayton, OH.

Order PB80-131485. Price code: PC A09/MF A01

### **Source Assessment: Chlorinated Hydrocarbons Manufacture.**

Aug 79, EPA-600/2-79-019G, Monsanto Research Corp., Dayton, OH.

Order PB80-138209. Price code: PC A09/MF A01

### **Source Assessment: Manufacture of Acetone and Phenol from Cumene.**

May 79, EPA-600/2-79-019D, Monsanto Research Corp., Dayton, OH.

Order PB80-150592. Price code: PC A09/MF A01

### **Source Assessment: Solvent Evaporation - Degreasing Operations.**

Aug 79, EPA/600/2-79/019F, Monsanto Research Corp., Dayton, OH.

Order PB80-128812. Price code: PC A07/MF A01

### **Spatial Variability of Ozone and Other Pollutants at St. Louis, Missouri.**

Oct 79, EPA-600/4-79-063, Environmental Sciences Research Lab., Research Triangle Park, NC.

Order PB80-132830. Price code: PC A03/MF A01

## GUIDE TO EPA PUBLICATIONS

**Stack Sampling Technical Information. A Collection of Monographs and Papers. Volume I**, Oct 78, EPA-450/2-78-042A, Environmental Protection Agency, Research Triangle Park, NC. Emission Measurement Branch.  
Order PB80-161672. Price code: PC A04/MF A01

**Stack Sampling Technical Information. A Collection of Monographs and Papers. Volume II**, Oct 78, EPA-450/2-78-042B, Environmental Protection Agency, Research Triangle Park, NC. Emission Measurement Branch.  
Order PB80-161680. Price code: PC A08/MF A01

**Stack Sampling Technical Information. A Collection of Monographs and Papers. Volume III**, Oct 78, EPA-450/2-78-042C, Environmental Protection Agency, Research Triangle Park, NC. Emission Measurement Branch.  
Order PB80-161698. Price code: PC A05/MF A01

**Statistical Analysis of the Los Angeles Catalyst Study Data**, Oct 79, EPA-600/4-79-070, Wisconsin Univ.-Madison. Dept. of Statistics.  
Order PB80-144439. Price code: PC A05/MF A01

**Studies in the Review of the Photochemical Oxidant Standard**. Jan 79, EPA/450/5-79-004, Biller (William F.), East Brunswick, NJ.  
Order PB80-125099. Price code: PC A08/MF A01

**A Study of Emissions From Passenger Cars in Six Cities. Volume A**. Jan 79, EPA-460/3-78-011-A, Automotive Testing Labs., Inc., Aurora, CO.  
Order PB80-149800. Price code: PC A99/MF A01

**A Study of Emissions From Passenger Cars in Six Cities. Volume B**. Jan 79, EPA-460/3-78-011B, Automotive Testing Labs., Inc., Aurora, CO.  
Order PB80-149818. Price code: PC A99/MF A01

**A Study of Exhaust Emissions from 1975-1979 Model Year Passenger Cars in Los Angeles**. Jul 79, EPA-460/3-79-004, Automotive Environmental Systems, Inc., Westminster, CA.  
Order PB80-128473. Price code: PC A11/MF A01

**A Study of Exhaust Emissions from 1977-1978 Model Year Motorcycles**. May 79, EPA-460/3-79-002, Automotive Environmental Systems, Inc., Westminster, CA.  
Order PB80-128309. Price code: PC A08/MF A01

**A Study of One Gasoline-Fueled Engine Line Comparing Emission Results Between 1969 Engines and 1979 Engines on Three Test Procedures: The Heavy-Duty Transient Engine Test, the Heavy-Duty 9-Mode Engine Test, and the Light-Duty Truck Chassis Test**. Jul 79, EPA-AA-SDSB-79-16, Environmental Protection Agency, Ann Arbor, MI. Standards Development and Support Branch.  
Order PB80-149305. Price code: PC A02/MF A01

**Sulfates in the Atmosphere: A Progress Report on MISTT (Midwest Interstate Sulfur Transformation and Transport)**. 17 Jun 77, EPA-600/J-78-155, Environmental Sciences Research Lab., Research Triangle Park, NC.  
Order PB80-128382. Price code: PC A02/MF A01

**Sulfuric Acid Rain Effects on Crop Yield and Foliar Injury**. Jan 80, EPA-600/3-80-016, Corvallis Environmental Research Lab., OR.  
Order PB80-151079. Price code: PC A03/MF A01

**A Summary of the Interlaboratory Source Performance Surveys for EPA Reference Methods 6 and 7 - 1977**. Aug 79, EPA/600/4-79-045, Environmental Monitoring and Support Lab., Research Triangle Park, NC.  
Order PB80-131832. Price code: PC A04/MF A01

**Survey of the Role of NO<sub>x</sub> in Nonurban Ozone Formation**. Sep 79, EPA/450/4-79-035, SRI International, Menlo Park, CA.  
Order PB80-122815. Price code: PC A08/MF A01

**Survey of Flue Gas Desulfurization Systems: Bruce Mansfield Station, Pennsylvania Power Co.** Aug 79, EPA/600/7-79/199E, PEDCo-Environmental, Inc., Cincinnati, OH.  
Order PB80-126295. Price code: PC A06/MF A01

**Survey of Flue Gas Desulfurization Systems: Duck Creek Station, Central Illinois Light Co.** Aug 79, EPA/600/7-79/199A, PEDCo-Environmental, Inc., Cincinnati, OH.  
Order PB80-126279. Price code: PC A05/MF A01

**Survey of Flue Gas Desulfurization Systems: Lawrence Energy Center, Kansas Power and Light Co.** Aug 79, EPA/600/7-78/199B, PEDCo-Environmental, Inc., Cincinnati, OH.  
Order PB80-125628. Price code: PC A06/MF A01

**Survey of Flue Gas Desulfurization Systems: Sherburne County Generating Plant, Northern States Power Co.** Aug 79, EPA/600/7-79/199D, PEDCo-Environmental, Inc., Cincinnati, OH.  
Order PB80-126287. Price code: PC A06/MF A01

**Symposium on Fugitive Emissions Measurement and Control (3rd), Held at San Francisco, California on October 23-25, 1978**. Aug 79, EPA-600/7-79-182, Research Corp. of New England, Wethersfield, CT.  
Order PB80-130891. Price code: PC A19/MF A01

**Synoptic Meteorology and Air Quality Patterns in the St. Louis RAPS Program**. Jan 80, EPA-600/4-80-001, Washington State Univ., Pullman.  
Order PB80-148299. Price code: MF A01

**SAROAD (Storage and Retrieval of Aerometric Data) Information**. Feb 79, EPA-450/4-79-005, Environmental Pro-

## GUIDE TO EPA PUBLICATIONS

tection Agency, Research Triangle Park, NC. Office of Air Quality Planning and Standards.  
Order PB80-133838. Price code: PC A04/MF A01

**Technical Assistance in Developing Nonattainment Plans for Selected Areas in California.** Aug 79, EPA-909/9-79-003, PEDCo-Environmental, Inc., Cincinnati, OH.  
Order PB80-131188. Price code: PC A19/MF A01

**Technical Assistance Document for the Calibration of Ambient Ozone Monitors.** Sep 79, EPA-600/4-79-057, Environmental Monitoring and Support Lab., Research Triangle Park, NC.  
Order PB80-149552. Price code: PC A04/MF A01

**Technique for in situ Calibration of Particulate Mass Monitors.** Oct 79, EPA-600/2-79-191, California Dept. of Health Services, Berkeley. Air and Industrial Hygiene Lab. Section.  
Order PB80-137607. Price code: PC A04/MF A01

**Technology Assessment Report for Industrial Boiler Applications: Flue Gas Desulfurization.** Nov 79, EPA-600/7-79-178I, Radian Corp., Durham, NC.  
Order PB80-150873. Price code: PC A99/MF A01

**Technology Assessment Report for Industrial Boiler Applications: Synthetic Fuels.** Nov 79, EPA-600/7-79-178D, Radian Corp., Austin, TX.  
Order PB80-152606. Price code: PC A17/MF A01

**Test Methods to Determine the Mercury Emissions from Sludge Incineration Plants.** Sep 79, EPA-600/4-79-058, Environmental Monitoring and Support Lab., Research Triangle Park, NC. Quality Assurance Branch.  
Order PB80-144611. Price code: PC A04/MF A01

**Transfer Standards for the Calibration of Ambient Air Monitoring Analyzers for Ozone. Technical Assistance Document.** Sep 79, EPA-600/4-79-056, Environmental Monitoring and Support Lab., Research Triangle Park, NC. Quality Assurance Branch.  
Order PB80-146871. Price code: PC A08/MF A01

**Transportation Air Quality Analysis - Sketch Planning Methods. Volume I: Analysis Methods.** Dec 79, EPA-400/1-80-001A, Cambridge Systematics, Inc., MA.  
Order PB80-158702. Price code: PC A13/MF A01

**Transportation Air Quality Analysis - Sketch Planning Methods. Volume II: Case Studies.** Dec 79, EPA-400/1-80-001B, Cambridge Systematics, Inc., MA.  
Order PB80-158710. Price code: PC A15/MF A01

**The Use of pH and Chloride Electrodes for the Automatic Control of Flue Gas Desulfurization Systems.** Nov 79, EPA-600/2-79-202, TRW Defense and Space Systems Group, Redondo Beach, CA.  
Order PB80-138464. Price code: PC A05/MF A01

**Workbook for Comparison of Air Quality Models. Appendices.** May 78, EPA/450/2-78/028B, Environmental Protection Agency, Research Triangle Park, NC. Office of Air Quality Planning and Standards.  
Order PB80-120108. Price code: PC A10/MF A01

**Workshop on Atmospheric Dispersion Models in Complex Terrain.** Nov 79, EPA-600/9-79-041, North American Weather Consultants, Goleta, CA.  
Order PB80-138571. Price code: PC A10/MF A01

**Workshop on Primary Sulfate Emissions.** Oct 78, EPA/600/J-78-156, Environmental Sciences Research Lab., Research Triangle Park, NC.  
Order PB80-128341. Price code: PC A02/MF A01

## SOLID WASTES POLLUTION AND CONTROL

**Adapting Woody Species and Planting Techniques to Landfill Conditions, Field and Laboratory Investigations.** Aug 79, EPA/600/2-79/128, Cook Coll., New Brunswick, NJ.  
Order PB80-122617. Price code: PC A07/MF A01

**Calcium Sulfite Crystal Sizing Studies.** Aug 79, EPA/600/7-79/192, Radian Corp., Austin, TX.  
Order PB80-128689. Price code: PC A05/MF A01

**Codisposal of Municipal Solid Waste and Sewage Sludge: An Analysis of Constraints.** 1980, EPA/530/SW-184, Gordon Associates, Inc., Washington, DC.  
Order PB80-141484. Price code: PC A10/MF A01

**Design of a Monitoring Program for Ash Pond Effluents.** Nov 79, EPA-600/7-79-236, Tennessee Valley Authority, Chattanooga. Power Research Staff.  
Order PB80-128457. Price code: PC A10/MF A01

**Elutriate Test Evaluation of Chemically Stabilized Waste Materials.** Aug 79, EPA-600/2-79-154, Army Engineer Waterways Experiment Station, Vicksburg, MS. Environmental Lab.  
Order PB80-147069. Price code: PC A04/MF A01

**Evaluation of the Ames Solid Waste Recovery System. Part II: Performance of the Stoker Fired Steam Generators.** Oct 79, EPA-600/7-79-229, Ames, IA.  
Order PB80-132590. Price code: PC A09/MF A01

**Hazardous Material Incinerator Design Criteria.** Oct 79, EPA-600/2-79-198, TRW, Inc., Redondo Beach, CA.  
Order PB80-131964. Price code: PC A06/MF A01

**Heat Generation of Spent Bed Materials from Atmospheric Fluidized-bed Combustion of Coal.** Sep 79,

## GUIDE TO EPA PUBLICATIONS

EPA-600/J-79-223, Industrial Environmental Research Lab., Research Triangle Park, NC.  
Order PB80-131162. Price code: PC A04/MF A01

**Low Wastewater Potato Starch/Protein Production.** Dec 79, EPA/600/2-79/208, Massachusetts Univ., Amherst. Dept. of Food Engineering.  
Order PB80-143332. Price code: PC A04/MF A01

**Marketing Programs Designed for Sludge Management, LA/OMA Project.** Aug 79, Los Angeles-Orange County Metropolitan Area Project, Whittier, CA.  
Order PB80-124860. Price code: PC A09/MF A01

**Quantification of Municipal Disposal Methods for Industrially Generated Hazardous Wastes.** Aug 79, EPA/600/2-79/135, Acurex Corp., Mountain View, CA. Energy and Environmental Div.  
Order PB80-140528. Price code: PC A05/MF A01

**Residual Waste Management. Phase I Report.** Feb 80, EPA-600/2-80-051, Ventura Regional County Sanitation District, CA.  
Order PB80-139744. Price code: PC A07/MF A01

**A Review of Standards of Performance for New Stationary Sources - Incinerators,** Mar 79, EPA/450/3-79/009, MITRE Corp., McLean, VA. METREK Div.  
Order PB80-124787. Price code: PC A04/MF A01

**A Review of Standards of Performance for New Stationary Sources - Sewage Sludge Incinerators,** Mar 79, EPA-450/3-79-010, MITRE Corp., McLean, VA. METREK Div.  
Order PB80-125446. Price code: PC A04/MF A01

**Samplers and Sampling Procedures for Hazardous Waste Streams.** Jan 80, EPA/600/2-80/018, California Dept. of Health Services, Berkeley.  
Order PB80-135353. Price code: PC A05/MF A01

**Small Modular Incinerator Systems with Heat Recovery: A Technical, Environmental, and Economic Evaluation,** 1979, EPA/SW-177C, Systems Technology Corp., Xenia, OH.  
Order PB80-120645. Price code: PC A12/MF A01

**Waste and Water Management for Conventional Coal Combustion Assessment Report - 1979. Volume I. Executive Summary.** Jan 80, EPA-600/7-80-012A, Little (Arthur D.), Inc., Cambridge, MA.  
Order PB80-158884. Price code: PC A06/MF A01

**Wine Production from Cheese Whey.** Oct 79, EPA/600/2-79-189, Foremost McKesson, Inc., Dublin, CA.  
Order PB80-125297. Price code: PC A05/MF A01

## WATER POLLUTION AND CONTROL

**Acid-Fast Bacteria and Yeasts as Indicators of Disinfection Efficiency.** Aug 79, EPA/600/2-79/091, Illinois Univ. at Urbana-Champaign. Dept. of Civil Engineering.  
Order PB80-124795. Price code: PC A08/MF A01

**Acute Toxicity of Toxaphene to Fathead Minnows, Channel Catfish, and Bluegills,** Jan 80, EPA-600/3-80-005, Fish and Wildlife Service, Columbia, MO. Fish-Pesticide Research Lab.  
Order PB80-152796. Price code: PC A03/MF A01

**Adsorption of Trace Metals by Hydrous Ferric Oxide in Seawater.** Jan 80, EPA-600/3-80-011, Massachusetts Inst. of Tech., Cambridge. Ralph M. Parsons Lab. for Water Resources and Hydrodynamics.  
Order PB80-152804. Price code: PC A04/MF A01

**Ammonia Investigations in the Colorado River Grand Junction and Fruita, Colorado.** Dec 79, EPA-908/5-79-004, Engineering-Science, Inc., Denver, CO.  
Order PB80-130180. Price code: PC A10/MF A01

**Application of High-Temperature Hyperfiltration to Unit Textile Processes for Direct Recycle,** 1977, EPA-600/J-78-154, Industrial Environmental Research Lab., Research Triangle Park, NC.  
Order PB80-135163. Price code: Not available NTIS

**Assessment of Energy Resource Development Impact on Water Quality: The Belle Fourche and Little Missouri River Basins.** Oct 79, EPA/600/7-79/234, Environmental Monitoring and Support Lab., Las Vegas, NV.  
Order PB80-123565. Price code: PC A09/MF A01

**Assessment of Energy Resource Development Impact on Water Quality: The San Juan River Basin.** Nov 79, EPA-600/7-79-235, Environmental Monitoring and Support Lab., Las Vegas, NV.  
Order PB80-153901. Price code: PC A08/MF A01

**Automated Measurements of Infrared Spectra of Chromatographically Separated Fractions.** Oct 79, EPA/600/4-79/064, Ohio Univ., Athens. Dept. of Chemistry.  
Order PB80-122575. Price code: PC A05/MF A01

**Automatic Sludge Blanket Control in an Operating Gravity Thickener.** Nov 79, EPA/600/2-79-159, Metropolitan Waste Control Commission, St. Paul, MN.  
Order PB80-132350. Price code: PC A05/MF A01

**Boone Creek Oil Spill,** Dec 73, Environmental Protection Agency, Athens, GA. Surveillance and Analysis Div.  
Order PB80-159320. Price code: PC A04/MF A01

## GUIDE TO EPA PUBLICATIONS

**Browns Ferry Biothermal Research Series. II. Effects of Temperature on Bluegill and Walleye, and Periphyton, Macroinvertebrate, and Zooplankton Communities in Experimental Ecosystems.** Aug 79, EPA-600/J-79-092, Tennessee Valley Authority, Decatur, AL. Biothermal Research Station.

Order PB80-130172. Price code: PC A09/MF A01

**Cadmium Bioaccumulation Assays. Their Relationship to Various Ionic Equilibria in Lake Superior Water.** 30 Jan 79, EPA/600/J-79/042, Environmental Research Lab.-Duluth, MN.

Order PB80-124498. Price code: PC A02/MF A01

**Catalog of Federal Ocean Pollution Research, Development and Monitoring Programs, Fiscal Years 1978-80.** Aug 79, National Oceanic and Atmospheric Administration, Washington, DC.

Order PB80-140171. Price code: PC A12/MF A01

**Characterization of Priority Pollutants from an Airplane Parts Manufacturing Facility.** Jan 80, EPA-600/2-80-019, Battelle Columbus Labs., OH.

Order PB80-151566. Price code: PC A03/MF A01

**Chlorine Minimization/Optimization for Condensor Biofouling Control. Phases I and II.** Aug 79, EPA-600/7-79-198, Tennessee Valley Authority, Chattanooga.

Order PB80-132889. Price code: PC A07/MF A01

**Clean Water Report for Southwestern Wyoming.** Aug 78, EPA-908/3-78-004B, CH2M/Hill, Denver, CO.

Order PB80-160484. Price code: PC A17/MF A01

**Coagulation and Precipitation of Selected Metal Ions from Aqueous Solutions.** Nov 79, EPA/600/2-79-204, Research Triangle Inst., Research Triangle Park, NC.

Order PB80-125909. Price code: PC A02/MF A01

**Combined Sewer Overflow Abatement Program, Rochester, NY. Volume II. Pilot Plant Evaluations.** Jul 79, EPA-600/2-79-013B, O'Brien and Gere Engineers, Inc., Syracuse, NY.

Order PB80-159262. Price code: PC A10/MF A01

**Damage Assessment Studies Following the NEPCO 140 Oil Spill on the St. Lawrence River.** Dec 79, EPA-600/7-79-256, Saint Lawrence-Eastern Ontario Commission, Watertown, NY.

Order PB80-154594. Price code: PC A08/MF A01

**Determining Wastewater Treatment Costs for Your Community.** Oct 79, Environmental Protection Agency, Washington, DC. Facility Requirements Div.

Order PB80-130966. Price code: PC A02/MF A01

**Direct Photolysis of Hexacyanoferrate Complexes: Proposed Applications to the Aquatic Environment,** Jan

80, EPA-600/3-80-003, Minnesota Univ., St. Paul. Dept. of Entomology, Fisheries and Wildlife.

Order PB80-151558. Price code: PC A04/MF A01

**Dissolved Oxygen Impact from Urban Storm Runoff.** Nov 79, EPA-600/2-79-156, Sutron Corp., Arlington, VA.

Order PB80-138266. Price code: PC A12/MF A01

**Distribution of Phytoplankton in Arizona Lakes.** Dec 79, EPA-600/3-79-112, Environmental Monitoring and Support Lab., Las Vegas, NV.

Order PB80-144579. Price code: PC A03/MF A01

**Distribution of Phytoplankton in California Lakes.** Dec 79, EPA-600/3-79-113, Environmental Monitoring and Support Lab., Las Vegas, NV.

Order PB80-143100. Price code: PC A04/MF A01

**Distribution of Phytoplankton in Colorado Lakes.** Dec 79, EPA-600/3-79-114, Environmental Monitoring and Support Lab., Las Vegas, NV.

Order PB80-144728. Price code: PC A03/MF A01

**Distribution of Phytoplankton in Idaho Lakes.** Dec 79, EPA-600/3-79-115, Environmental Monitoring and Support Lab., Las Vegas, NV.

Order PB80-145675. Price code: PC A03/MF A01

**Distribution of Phytoplankton in Montana Lakes.** Dec 79, EPA-600/3-79-116, Environmental Monitoring and Support Lab., Las Vegas, NV.

Order PB80-142698. Price code: PC A04/MF A01

**Distribution of Phytoplankton in Nevada Lakes.** Dec 79, EPA-600/3-79-117, Environmental Monitoring and Support Lab., Las Vegas, NV.

Order PB80-144603. Price code: PC A03/MF A01

**Distribution of Phytoplankton in New Mexico Lakes.** Dec 79, EPA-600/3-79-118, Environmental Monitoring and Support Lab., Las Vegas, NV.

Order PB80-145691. Price code: PC A03/MF A01

**Distribution of Phytoplankton in Oregon Lakes.** Dec 79, EPA-600/3-79-119, Environmental Monitoring and Support Lab., Las Vegas, NV.

Order PB80-140270. Price code: PC A03/MF A01

**Distribution of Phytoplankton in Wyoming Lakes.** Nov 79, EPA-600/3-79-122, Environmental Monitoring and Support Lab., Las Vegas, NV.

Order PB80-157258. Price code: PC A03/MF A01

**Dynamics of Port Angeles Harbor and Approaches, Washington.** Sep 79, EPA-600/7-79-252, Evans-Hamilton, Inc., Seattle, WA. Western Region.

Order PB80-140791. Price code: PC A06/MF A01

## GUIDE TO EPA PUBLICATIONS

**Ecological and Physiological/Toxicological Effects of Petroleum on Aquatic Birds. A Summary of Research Activities FY76 through FY78.** Jul 79, Fish and Wildlife Service, Laurel, MD. Patuxent Wildlife Research Center. Order PB80-127285. Price code: PC A02/MF A01

**Ecological Recovery After Reclamation of Toxic Spoils Left by Coal Surface Mining. Phase 1: A Baseline Assessment of Environmental Conditions Prior to Application of Intensive Remedial Treatments.** Oct 79, EPA/600/7-79/209, Tennessee Valley Authority, Norris. Order PB80-126998. Price code: PC A05/MF A01

**Economic Analysis of Pretreatment Standards for Existing Sources of the Electroplating Point Source Category.** Aug 79, EPA-440/2-79-031, Booz-Allen and Hamilton, Inc., Bethesda, MD. Order PB80-135262. Price code: PC A20/MF A01

**Effect of Phosphorus Control Options on Lake Water Quality.** Sep 79, EPA/560/11-79/011, Tetra Tech, Inc., Lafayette, CA. Order PB80-123698. Price code: PC E10/MF\$5.50

**Effectiveness of Soil and Water Conservation Practices for Pollution Control.** Oct 79, EPA/600/3-79-106, New York State Coll. of Agriculture and Life Sciences, Ithaca. Order PB80-122237. Price code: PC A21/MF A01

**Effects of Acid Precipitation on Soil Leachate Quality: Computer Calculations.** Jan 80, EPA-600/3-80-015, California Univ., Riverside. Dept. of Soil and Environmental Sciences. Order PB80-137755. Price code: PC A03/MF A01

**The Effects of Decreased Nutrient Loading on the Limnology of Diamond Lake, Oregon.** Jun 79, EPA-600/8-79-017A, Corvallis Environmental Research Lab., OR. Order PB80-144561. Price code: PC A04/MF A01

**Effects of Petroleum Compounds on Estuarine Fishes.** Jan 80, EPA-600/3-80-019, University of Southern Mississippi, Hattiesburg. Dept. of Biology. Order PB80-141310. Price code: PC A03/MF A01

**Effects of Sulfuric Acid Rain on Two Model Hardwood Forests: Throughfall, Litter Leachate, and Soil Solution.** Jan 80, EPA-600/3-80-014, Corvallis Environmental Research Lab., OR. Order PB80-157217. Price code: PC A03/MF A01

**Environmental and Economic Impact of Agricultural Land Use Conversion: An Evaluation Methodology.** Jan 80, EPA-600/5-80-002, Georgia Univ., Athens. Order PB80-137185. Price code: PC A07/MF A01

**Environmental Effects of Western Coal Surface Mining. Part I. The Limnology and Biota of Mine Spoils Ponds in**

**Northwest Colorado.** Dec 79, EPA-600/3-79-124, Colorado State Univ., Fort Collins. Order PB80-143647. Price code: PC A03/MF A01

**Environmental Effects of Western Coal Surface Mining. Part IV--Chemical and Microbiological Investigations of a Surface Coal Mine Settling Pond.** Dec 79, EPA-600/3-79-125, Colorado State Univ., Fort Collins. Natural Resource Ecology Lab. Order PB80-144793. Price code: PC A05/MF A01

**Environmental Impact of Land Use on Water Quality.** Nov 77, EPA-905/9-77-007-D, Allen County Soil and Water Conservation District, Fort Wayne, IN. Order PB80-134059. Price code: PC A06/MF A01

**Estimating Water Treatment Costs. Volume 1. Summary.** Aug 79, EPA-600/2-79-162A, Culp/Wesner/Culp, Santa Ana, CA. Order PB80-139819. Price code: PC A10/MF A01

**Estimating Water Treatment Costs. Volume 2. Cost Curves Applicable to 1 to 200 mgd Treatment Plants.** Aug 79, EPA-600/2-79-162B, Culp/Wesner/Culp, Santa Ana, CA. Order PB80-139827. Price code: PC A23/MF A01

**Estimating Water Treatment Costs. Volume 3. Cost Curves Applicable to 2,500 gpd to 1 mgd Treatment Plants.** Aug 79, EPA-600/2-79-162C, Culp/Wesner/Culp, Santa Ana, CA. Order PB80-148455. Price code: PC A09/MF A01

**Evaluation of Flow Equalization in Municipal Wastewater Treatment.** May 79, EPA-600/2-79-096, Brown and Caldwell, Seattle, WA. Order PB80-139835. Price code: PC A12/MF A01

**Evaluation of Present Chemical Standards in Relationship to In Situ Marine Water Quality Measurements.** Apr 79, EPA/600/7-79/103, Interstate Electronics Corp., Anaheim, Ca. Oceanic Engineering Div. Order PB80-122583. Price code: PC A04/MF A01

**Evaluation of Protocols for Pesticides and PCB's in Raw Wastewater.** Nov 79, EPA/600/2-79-166, Little (Arthur D.), Inc., Cambridge, MA. Order PB80-133184. Price code: PC A06/MF A01

**Factors in the Determination of Selected Trace Elements in Near-Shore U. S. Waters of Lakes Superior and Huron.** 1978, EPA-600/J-78-157, Environmental Research Lab.-Duluth, MN. Order PB80-130362. Price code: PC A02/MF A01

**Federal Guidelines - Operation and Maintenance of Wastewater Treatment Facilities.** Aug 74, Environmental

## GUIDE TO EPA PUBLICATIONS

Protection Agency, Washington, DC. Office of Water and Hazardous Materials.  
Order PB80-138365. Price code: PC A03/MF A01

**Federal Plan for Ocean Pollution Research, Development, and Monitoring, Fiscal Years 1979-83.** Aug 79, National Oceanic and Atmospheric Administration, Rockville, MD.  
Order PB80-128820. Price code: PC A11/MF A01

**The Fetotoxic Potential of Municipal Drinking Water in the Mouse.** 20 Sep 78, EPA/600/J-79/037, Health Effects Research Lab., Research Triangle Park, NC. Environmental Toxicology Div.  
Order PB80-124456. Price code: PC A02/MF A01

**Final Report and Water Quality Management Plan.** Aug 79, Blue Ribbons of the Big Sky Country Areawide Planning Organization, Bozeman, MT.  
Order PB80-130412. Price code: PC A10/MF A01

**Formation and Removal of Halogenated Hydrocarbons in Drinking Water: A Case Study at Huron, South Dakota,** Jan 77, EPA-908/3-77-001, South Dakota School of Mines and Technology, Rapid City.  
Order PB80-159718. Price code: PC A04/MF A01

**Freshwater Micro-Ecosystem Development and Testing of Substitute Chemicals,** Jan 80, EPA-600/3-80-008, Science and Education Administration, Beltsville, MD. Pesticide Degradation Lab.  
Order PB80-151533. Price code: PC A03/MF A01

**FRDS Final Report.** 1979, Cincinnati Univ., OH. Southwestern Ohio Regional Computer Center.  
Order PB80-120488. Price code: PC A06/MF A01

**Geothermal Environmental Impact Assessment: Ground Water Monitoring Guidelines for Geothermal Development.** Sep 79, EPA-600/7-79-218, Harding-Lawson Associates, San Rafael, CA.  
Order PB80-144801. Price code: PC A11/MF A01

**Green Mountain Reservoir - Lower Blue River Study, Colorado, September, 1976,** Aug 77, EPA-908/2-77-003, Environmental Protection Agency, Denver, CO. Technical Investigations Branch.  
Order PB80-159528. Price code: PC A05/MF A01

**Impacts of Sediment and Nutrients on Biota in Surface Waters of the United States.** Oct 79, EPA/600/3-79-105, Georgia Univ., Athens. Inst. of Ecology.  
Order PB80-129588. Price code: PC A15/MF A01

**Infectivity and Pathogenicity of Enteroviruses Ingested with Drinking Water.** Jan 80, EPA-600/1-80-005, Wisconsin Univ.-Madison. Food Research Inst.  
Order PB80-150626. Price code: PC A03/MF A01

**Inspectors Guide for Evaluation of Municipal Wastewater Treatment Plants.** Apr 79, EPA/430/9-79-010, Culp/Wesner/Culp, El Dorado Hills, CA.  
Order PB80-138605. Price code: PC A16/MF A01

**Institutional Bases for Control of Nonpoint Source Pollution Under the Clean Water Act--With Emphasis on Agricultural Nonpoint Sources.** Nov 79, Economics, Statistics, and Cooperatives Service, Washington, DC. Natural Resource Economics Div.  
Order PB80-132665. Price code: PC A08/MF A01

**Interim Method for Determining Asbestos in Water.** Jan 80, EPA-600/4-80-005, Environmental Research Lab., Athens, GA.  
Order PB80-152879. Price code: PC A03/MF A01

**Investigation of Petroleum in the Marine Environs of the Strait of Juan de Fuca and Northern Puget Sound,** Jul 79, EPA-600/7-79-164, NOAA National Analytical Facility, Seattle, WA.  
Order PB80-128218. Price code: PC A06/MF A01

**Laboratory Evaluation of Methods to Separate Fine Grained Sediment from Storm Water.** Jul 79, EPA/600/2-79/076, Minnesota Univ., Minneapolis. St. Anthony Falls Hydraulic Lab.  
Order PB80-121528. Price code: PC A03/MF A01

**Level III: Receiving Water Quality Modeling for Urban Stormwater Management.** Aug 79, EPA-600/2-79-100, Duke Univ., Durham, NC. Dept. of Civil Engineering.  
Order PB80-134406. Price code: PC A10/MF A01

**Management of Bottom Sediments Containing Toxic Substances. Proceedings of the U. S.-Japan Experts' Meeting (4th) Held at Tokyo, Japan on October, 1978,** Sep 79, EPA/600/3-79/102, Corvallis Environmental Research Lab., OR.  
Order PB80-125917. Price code: PC A17/MF A01

**Management of Small-to-Medium Sized Municipal Wastewater Treatment Plants.** Jul 79, EPA/430/9-79-013, Culp/Wesner/Culp, El Dorado Hills, CA.  
Order PB80-132673. Price code: PC A09/MF A01

**Maximum Utilization of Water Resources in a Planned Community. Application of the Storm Water Management Model. Volume I.** Jul 79, EPA/600/2-79-050C, Espey, Huston and Associates, Inc., Austin, TX.  
Order PB80-121437. Price code: PC A09/MF A01

**Maximum Utilization of Water Resources in a Planned Community. Bacterial Characteristics of Stormwaters in Developing Rural Areas.** Aug 79, EPA/600/2-79-050F, Texas Univ. Health Science Center at Houston. School of Public Health.  
Order PB80-129091. Price code: PC A05/MF A01

## GUIDE TO EPA PUBLICATIONS

**Monitoring Septage Addition to Wastewater Treatment Plants. Volume I. Addition to the Liquid Stream.** Nov 79, EPA-600/2-79-132, Lowell Univ., MA.  
Order PB80-143613. Price code: PC A14/MF A01

**MSIS Training. Final Report B.** 1979, Cincinnati Univ., OH. Southwestern Ohio Regional Computer Center.  
Order PB80-120538. Price code: PC A05/MF A01

**NPDES Best Management Practices Guidance Document.** Dec 79, EPA-600/9-79-045, Hydrosience, Inc., Knoxville, TN.  
Order PB80-135221. Price code: PC A09/MF A01

**Oil Pollution Abstracts. Volume 6, Number 1.** Jul 79, EPA-600/7-79-160, California Univ., Santa Barbara. Marine Science Inst.  
Order PB80-129117. Price code: PC A10/MF A01

**Oil Pollution Abstracts. Volume 6, Number 2.** Dec 79, EPA-600/7-79-254, California Univ., Santa Barbara. Marine Science Inst.  
Order PB80-141583. Price code: PC A13/MF A01

**Physical Chemical Treatment of a Combined Sewer Impacted Secondary Effluent.** Jan 80, EPA/600/2-80/035, Environmental Design and Planning, Inc., Cambridge, MA.  
Order PB80-127004. Price code: PC A04/MF A01

**Phytoplankton Water Quality Relationships in U. S. Lakes. Part VII: Comparison of Some New and Old Indices and Measurements of Trophic State.** Jul 79, EPA-600/3-79-079, Environmental Monitoring and Support Lab., Las Vegas, NV.  
Order PB80-153679. Price code: PC A04/MF A01

**Pollution Control Practices—Fuel Conversion and Its Environmental Effects.** Aug 79, EPA/600/J-79/032, Industrial Environmental Research Lab., Research Triangle Park, NC.  
Order PB80-119704. Price code: PC A02/MF A01

**Polynuclear Aromatic Hydrocarbons in Estuarine and Nearshore Environments,** 1978, EPA-600/J-78-144, Environmental Research Lab., Narragansett, RI.  
Order PB80-140486. Price code: PC A02/MF A01

**Probable Effects of Acid Precipitation on Pennsylvania Waters.** Jan 80, EPA-600/3-80-012, Pennsylvania Cooperative Fishery Research Unit, University Park.  
Order PB80-132004. Price code: PC A03/MF A01

**Processing Refinery Wastewater by Coagulation and Flotation Following Biological Oxidation.** Feb 80, EPA-600/2-80-047, Standard Oil Co. (Indiana), Chicago, IL.  
Order PB80-142144. Price code: PC A14/MF A01

**Program Requirements Memoranda: Municipal Wastewater Treatment Works Construction Grants Program, Supplement Number 9.** Jan 80, EPA/MCD-02.9, Environmental Protection Agency, Washington, DC. Office of Water Program Operations.  
Order PB80-146509. Price code: PC A03/MF A01

**Regulatory Water Quality Monitoring Networks. Statistical and Economic Considerations.** Aug 79, EPA-600/4-79-055, Colorado State Univ., Fort Collins.  
Order PB80-140882. Price code: PC A06/MF A01

**Reports of the Subcommittees on: National Needs and Problems, Data Collection, Storage, and Distribution, Monitoring, Research and Development.** Aug 79, National Oceanic and Atmospheric Administration, Rockville, MD.  
Order PB80-135213. Price code: PC A09/MF A01

**Reuse and Renovation of Sewage Stabilization Pond Effluent Through Irrigation.** Feb 80, EPA-600/2-80-050, Belding, MI.  
Order PB80-143811. Price code: PC A06/MF A01

**Rotating Disc Biological Treatment of Acid Mine Drainage.** Jan 80, EPA-600/7-80-006, Pennsylvania State Univ., University Park.  
Order PB80-137219. Price code: PC A07/MF A01

**Sampling and Analysis of Selected Toxic Substances. Task I: Acrylamide.** Dec 79, EPA-560/13-79-013, Midwest Research Inst., Kansas City, MO.  
Order PB80-128150. Price code: PC A03/MF A01

**Screening/Flotation Treatment of Combined Sewer Overflows. Volume II: Full-Scale Operation, Racine, Wisconsin.** Aug 79, EPA-600/2-79-106A, Envirex, Inc., Milwaukee, WI. Environmental Sciences Div.  
Order PB80-130693. Price code: PC A17/MF A01

**Screening/Flotation Treatment of Combined Sewer Overflows. Volume II: Full-Scale Operation, Racine, Wisconsin. Appendices.** Dec 79, EPA-600/2-79-106B, Envirex, Inc., Milwaukee, WI. Environmental Sciences Div.  
Order PB80-130727. Price code: PC A14/MF A01

**Sediment-Pollutant Relationships in Runoff from Selected Agricultural, Suburban, and Urban Watersheds. A Statistical Correlation Study.** Jan 80, EPA-600/3-80-022, Tetra Tech, Inc., Lafayette, CA.  
Order PB80-158108. Price code: PC A07/MF A01

**Sequential Nitrification-Denitrification in a Plug Flow Activated Sludge System.** Nov 79, EPA/600/2-79-157, District of Columbia Dept. of Environmental Services, Washington. EPA-DC Pilot Plant.  
Order PB80-134075. Price code: PC A06/MF A01

## GUIDE TO EPA PUBLICATIONS

**Sources and Transports of Coal in the Duluth-Superior Harbor.** Jan 80, EPA-600/3-80-007, Minnesota Univ.-Duluth. Dept. of Physics.  
Order PB80-147283. Price code: PC A05/MF A01

**Spatial Distribution and Temperature Selection of Fish Near the Thermal Outfall of a Power Plant During Fall, Winter, and Spring,** Jan 80, EPA-600/3-80-009, Minnesota Univ., Minneapolis.  
Order PB80-148703. Price code: PC A07/MF A01

**A Stream Systems Evaluation - An Emphasis on Spawning Habitat for Salmonids,** Oct 79, EPA-600/3-79-109, Oregon State Univ., Corvallis. Dept. of Fisheries and Wildlife.  
Order PB80-128770. Price code: PC A03/MF A01

**Strip Mine Drainage--Aquatic Impact Assessment.** Feb 79, EPA-600/7-79-036, Tennessee Valley Authority, Chattanooga. Office of Natural Resources.  
Order PB80-133192. Price code: PC A05/MF A01

**A Study of the Dispersal of Suspended Sediment from the Fraser and Skagit Rivers into Northern Puget Sound using Landsat Imagery,** Feb 79, EPA-600/7-79-165, National Oceanic and Atmospheric Administration, Seattle, WA. Pacific Marine Environmental Lab.  
Order PB80-131501. Price code: PC A04/MF A01

**Surface and Subsurface Water Quality Hydrology in Surface Mined Watersheds. Part I: Text.** Aug 79, EPA-600/7-79-193A, Colorado State Univ., Fort Collins.  
Order PB80-142003. Price code: PC A10/MF A01

**Viruses, Organics, and Other Health-Related Constituents of the Occoquan Watershed and Water-Service Area. Part I: Trihalomethanes, Pesticides, and Metals.** Sep 79, EPA/570/9-79/019, Virginia Polytechnic Inst. and State Univ., Blacksburg. Dept. of Civil Engineering.  
Order PB80-121023. Price code: PC A09/MF A01

**Volatile Component Recovery from Sulfite Evaporator Condensate.** Dec 79, EPA-600/2-79-207, Flambeau Paper Co., Park Falls, WI.  
Order PB80-146921. Price code: PC A04/MF A01

**Wastewater Irrigation at Tallahassee, Florida,** Aug 79, EPA-600/2-79-151, Florida Univ., Gainesville.  
Order PB80-132210. Price code: PC A15/MF A01

**Water and Air Quality Trends in Region VIII (1978 Data).** Oct 79, EPA-908-79-001, Environmental Protection Agency, Denver, CO. Surveillance and Analysis Div.  
Order PB80-147663. Price code: PC A10/MF A01

**Water Filtration for Asbestos Fiber Removal.** Dec 79, EPA-600/2-79-206, Municipal Environmental Research Lab., Cincinnati, OH.  
Order PB80-135379. Price code: PC A08/MF A01

**Water Quality Management Plan: Campbell County, Johnson County, Sheridan County (Wyoming).** Aug 78, EPA-908/3-78-003, Powder River Areawide Planning Organization, Sheridan, WY.  
Order PB80-159270. Price code: PC A15/MF A01

**Water Quality Study, Grand Lake, Shadow Mountain Lake, Lake Granby, Colorado, 1974.** Jul 77, EPA-908/2-77-002, Environmental Protection Agency, Denver, CO. Technical Investigations Branch.  
Order PB80-156144. Price code: PC A10/MF A01

**Water Resources Data for Idaho, Water Year 1978. Volume 1. Great Basin and Snake River Basin above King Hill.** Sep 79, Geological Survey, Boise, ID. Water Resources Div.  
Order PB80-155542. Price code: PC A16/MF A01

**Water Resources Data for Idaho, Water Year 1978. Volume 2. Upper Columbia River Basin and Snake River Basin below King Hill.** Sep 79, Geological Survey, Boise, ID. Water Resources Div.  
Order PB80-155559. Price code: PC A17/MF A01

**Water Resources Data for North Dakota, Water Year 1978.** Sep 79, Geological Survey, Bismarck, ND. Water Resources Div.  
Order PB80-126253. Price code: PC A99/MF A01

**Water Resources Data for Oregon, Water Year 1978.** Jun 79, Geological Survey, Portland, OR. Water Resources Div.  
Order PB80-122344. Price code: PC A99/MF A01

**Water Reuse--From Research to Application. Proceedings of Water Reuse Symposium, Held at Washington, DC. on March 25-30, 1979. Volume 1.** Mar 79, American Water Works Association Research Foundation, Denver, CO.  
Order PB80-127079. Price code: PC A99/MF A01

**Water Reuse--From Research to Application. Proceedings of Water Reuse Symposium, Held at Washington, DC. on March 25-30, 1979. Volume 2.** Mar 79, American Water Works Association Research Foundation, Denver, CO.  
Order PB80-127087. Price code: PC A99/MF A01

**Water Reuse--From Research to Application. Proceedings of Water Reuse Symposium, Held at Washington, DC. on March 25-30, 1979. Volume 3.** Mar 79, American Water Works Association Research Foundation, Denver, CO.  
Order PB80-127095. Price code: PC A99/MF A01

## GUIDE TO EPA PUBLICATIONS

### PESTICIDES POLLUTION AND CONTROL

**Alternatives for Reducing Insecticides on Cotton and Corn: Economic and Environmental Impact.** Aug 79, EPA-600/5-79-007A, Cornell Univ., Ithaca, NY.  
Order PB80-145071. Price code: PC A08/MF A01

**CAM-4, A Portable Warning Device for Organophosphate Hazardous Material Spills.** Jan 80, EPA-600/2-80-033, Midwest Research Inst., Kansas City, MO.  
Order PB80-159494. Price code: PC A04/MF A01

**The Effect of Imidan Administered to Pregnant Rats,** Jan 80, EPA-600/1-80-008, Midwest Research Inst., Kansas City, MO.  
Order PB80-159627. Price code: PC A02/MF A01

**Effects of Pesticides on the Immune Response.** Sep 79, EPA-600/1-79-039, Scripps Clinic and Research Foundation, La Jolla, CA. Dept. of Biochemistry.  
Order PB80-130834. Price code: PC A04/MF A01

**Kepone (Trade Name) Effects on Development of 'Callinectes sapidus' and 'Rhithropanopeus harrisi'.** Sep 79, EPA-600/3-79-104, Duke Univ., Beaufort, NC. Marine Lab.  
Order PB80-134349. Price code: PC A03/MF A01

**A One Step Method for the Determination of Carbamate Pesticides by Derivatization with alpha-Bromo-2,3,4,5,6-Pentafluorotoluene.** Sep 79, EPA-600/4-79-077, Health Effects Research Lab., Research Triangle Park, NC. Analytical Chemistry Branch.  
Order PB80-142847. Price code: PC A06/MF A01

**Pesticides and Polychlorinated Biphenyls in the Atchafalaya Basin, Louisiana,** Sep 79, EPA-600/4-79-061, Environmental Monitoring and Support Lab., Las Vegas, NV.  
Order PB80-144835. Price code: PC A05/MF A01

**Polyurethane Foam as Trapping Agent for Airborne Pesticides: Analytical Method Development.** Jan 80, EPA-600/4-80-008, Science and Education Administration, Beltsville, MD. Soil Nitrogen and Environmental Chemistry Lab.  
Order PB80-159502. Price code: PC A05/MF A01

**Sublethal Effects of Toxaphene on Daphnids, Scuds, and Midges,** Jan 80, EPA-600/3-80-006, Fish and Wildlife Service, Columbia, MO. Fish-Pesticide Research Lab.  
Order PB80-153554. Price code: PC A03/MF A01

**Terminal Residues of Carbamate Insecticides.** 1978, EPA-600/J-78-160, Health Effects Research Lab., Research Triangle Park, NC. Environmental Toxicology Div.  
Order PB80-129984. Price code: PC A02/MF A01

**Toxicity of the Herbicides 2,4-D, DEF, Propanil and Trifluralin to the Dungeness Crab, 'Cancer magister',** c1979, Oregon State Univ., Corvallis. Agricultural Experiment Station.  
Order PB80-130883. Price code: PC A02

**Toxicity Studies with Decamethrin, A Synthetic Pyrethroid Insecticide.** 11 Sep 78, EPA/600/J-79/036, Health Effects Research Lab., Research Triangle Park, NC. Environmental Toxicology Div.  
Order PB80-124431. Price code: PC A02/MF A01

### RADIATION POLLUTION AND CONTROL

**Alternative Disposal Concepts for High-Level and Transuranic Radioactive Waste Disposal.** May 79, MITRE Corp., McLean, VA. METREK Div.  
Order PB80-143985. Price code: PC A13/MF A01

**AIRDOS-EPA: A Computerized Methodology for Estimating Environmental Concentrations and Dose to Man from Airborne Releases of Radionuclides.** Dec 79, EPA-520/1-79-009, Oak Ridge National Lab., TN.  
Order PB80-147838. Price code: PC A12/MF A01

**Selected Topics: Transuranium Elements in the General Environment.** Jun 78, Office of Radiation Programs, Washington, DC. Div. of Criteria and Standards.  
Order PB80-156284. Price code: PC A23/MF A01

**Simultaneous Determination of Americium and Curium in Soil,** 14 Sep 78, EPA/600/J-79/039, Environmental Monitoring and Support Lab., Las Vegas, NV.  
Order PB80-119670. Price code: PC A02/MF A01

**Summary Report on the Low-Level Radioactive Waste Burial Site, West Valley, New York (1963-1975),** Oct 77, EPA-902/4-77-010, Environmental Protection Agency, New York. Region II.  
Order PB80-138993. Price code: PC A07/MF A01

### ENVIRONMENTAL HEALTH AND SAFETY

**Ambient Oxidant Exposure and Health Costs in the United States-1973.** Apr 77, EPA-600/J-77-169, Health Effects Research Lab., Research Triangle Park, NC. Criteria and Special Studies Office.  
Order PB80-131386. Price code: PC A02/MF A01

**Assessment of Human Exposures to Atmospheric Cadmium.** Jun 79, EPA-450/5-79-007, Energy and Environmental Analysis, Inc., Arlington, VA.  
Order PB80-153885. Price code: MF A01

## GUIDE TO EPA PUBLICATIONS

**Causes of Death of Anesthesiologists from the Chloroform Era.** Oct 79, EPA/600/1-79-043, Northwestern Univ., Chicago, IL.  
Order PB80-125172. Price code: PC A03/MF A01

**Effect of the Pittsburgh Air Pollution Episode Upon Pulmonary Function in School Children.** Jun 76, EPA/600/J-76/100, Health Effects Research Lab., Research Triangle Park, NC. Population Studies Div.  
Order PB80-124449. Price code: PC A02/MF A01

**Effects of Endogenous Ammonia on Neutralization of Inhaled Sulfuric Acid Aerosols.** Dec 79, EPA/600/1-79/045, Battelle Pacific Northwest Labs., Richland, WA.  
Order PB80-147978. Price code: PC A03/MF A01

**Epidemiologic Studies of Virus Transmission in Swimming Waters.** Jan 80, EPA-600/1-80-006, Wisconsin Univ.-Madison.  
Order PB80-159676. Price code: PC A04/MF A01

**Estimate of the Cancer Risk Due to Nuclear-Electric Power Generation.** Oct 76, Office of Radiation Programs, Washington, DC. Div. of Criteria and Standards.  
Order PB80-119852. Price code: PC A03/MF A01

**Identifying a Susceptible Subgroup: Effects of the Pittsburgh Air Pollution Episode Upon School Children.** 27 Nov 78, EPA/600/J-79/041, Health Effects Research Lab., Research Triangle Park, NC. Population Studies Div.  
Order PB80-123409. Price code: PC A02/MF A01

**Low-Level Carbon Monoxide Exposure and Work Capacity at 1600 Meters.** Sep 79, EPA-600/1-79-037, National Asthma Center, Denver, CO. Dept. of Physiology.  
Order PB80-129083. Price code: PC A03/MF A01

**Maximum Utilization of Water Resources in a Planned Community - Chlorine and Ozone Toxicity Evaluation.** Aug 79, EPA-600/2-79/050E, Rice Univ., Houston, TX. Dept. of Biology.  
Order PB80-131121. Price code: PC A03/MF A01

**Model for Measuring the Health Impact from Changing Levels of Ambient Air Pollution: Mortality Study.** Aug 79, EPA/600/1-79/034, Illinois Univ. at the Medical Center, Chicago. School of Public Health.  
Order PB80-119522. Price code: PC A05/MF A01

**Proceedings of the Symposium on the Development and Usage of Personal Monitors for Exposure and Health Effect Studies Held at Chapel Hill, North Carolina on January 22-24, 1979.** Jun 79, EPA-600/9-79-032, Kappa Systems, Inc., Arlington, VA.  
Order PB80-143894. Price code: PC A22/MF A01

**Response to Comments: Guidance on Dose Limits for Persons Exposed to Transuranium Elements in the**

**General Environment.** Oct 78, EPA-520/4-78-010, Office of Radiation Programs, Washington, DC.  
Order PB80-154610. Price code: PC A16/MF A01

## ENVIRONMENTAL IMPACT STATEMENTS

**Ammonium Sulfate Manufacture-Background Information for Proposed Emission Standards.** Dec 79, EPA-450/3-79-034A, Environmental Protection Agency, Research Triangle Park, NC. Office of Air Quality Planning and Standards.  
Order PB80-140163. Price code: PC A14/MF A01

**Automobile and Light-Duty Truck Surface Coating Operations-Background Information for Proposed Standards.** Sep 79, EPA/450/3-79/030, Environmental Protection Agency, Research Triangle Park, NC. Emission Standards and Engineering Div.  
Order PB80-123540. Price code: PC A15/MF A01

**Benzene Emissions from Maleic Anhydride Industry - Background Information for Proposed Standards.** Feb 80, EPA-450/3-80-001A, Environmental Protection Agency, Research Triangle Park, NC. Office of Air Quality Planning and Standards.  
Order PB80-152812. Price code: PC A09/MF A01

**Cahaba River Wastewater Facilities Jefferson, Shelby and St. Clair Counties, Alabama. Appendices.** Jun 78, EPA-904/9-78-009, Environmental Protection Agency, Atlanta, GA. Region IV.  
Order PB80-135288. Price code: PC A14/MF A01

**Greeley Environmental Impact Statement for Wastewater Facilities and the Wastewater Management Program.** Dec 79, EPA-908/5-80-001A, Environmental Protection Agency, Denver, CO. Region VIII.  
Order PB80-158850. Price code: PC A08/MF A01

**Lake Apopka Restoration Project, Lake and Orange Counties, Florida.** Sep 79, EPA-904/9-79-043, Environmental Protection Agency, Atlanta, GA. Region IV.  
Order PB80-151731. Price code: PC A20/MF A01

**Lead-Acid Battery Manufacture - Background Information for Proposed Standards.** Nov 79, EPA-450/3-79-028A, Environmental Protection Agency, Research Triangle Park, NC. Office of Air Quality Planning and Standards.  
Order PB80-150261. Price code: PC A17/MF A01

**Northglenn Water Management Program, City of Northglenn, Colorado.** 11 Jan 80, EPA-908/5-79-002A, Engineering-Science, Inc., Denver, CO.  
Order PB80-150246. Price code: PC A13/MF A01

## GUIDE TO EPA PUBLICATIONS

**Organic Solvent Cleaners - Background Information for Proposed Standards.** Oct 79, EPA-450/2-78-045A, GCA Corp., Bedford, MA. GCA Technology Div.  
Order PB80-137912. Price code: PC A13/MF A01

**Phosphate Rock Plants - Background Information for Proposed Standards.** Sep 79, Environmental Protection Agency, Research Triangle Park, NC. Office of Air Quality Planning and Standards.  
Order PB80-141625. Price code: PC A17/MF A01

**Proposed Wastewater Treatment Facilities, South Shore Lake Tahoe Basin. Draft Environmental Impact Statement.** Oct 79, South Tahoe Public Utilities District, South Lake Tahoe, CA.  
Order PB80-141138. Price code: PC A15/MF A01

**Proposed Wastewater Treatment Facilities, South Shore Lake Tahoe Basin. Technical Appendices. Draft Environmental Impact Statement.** Oct 79, South Tahoe Public Utilities District, South Lake Tahoe, CA.  
Order PB80-141120. Price code: PC A17/MF A01

**Standard Support and Environmental Impact Statement. Volume II: Promulgated Standards of Performance for Stationary Gas Turbines.** Sep 79, EPA/450/2-77/017B, Environmental Protection Agency, Research Triangle Park, NC. Emission Standards and Engineering Div.  
Order PB80-126022. Price code: PC A04/MF A01

## GENERAL

**'In Vitro' Microbiological Mutagenicity and Unscheduled DNA Synthesis Studies of Eighteen Pesticides.** Oct 79, EPA-600/1-79-041, SRI International, Menlo Park, CA.  
Order PB80-133226. Price code: PC A09/MF A01

**Alternatives for Reducing Insecticides on Cotton and Corn: Economic and Environmental Impact - Supplement 1: Detailed Data for Static and Linear Analysis of Alternatives for Reducing Insecticides on Cotton and Corn,** 1979, EPA-600/5-79-007B, Cornell Univ., Ithaca, NY.  
Order PB80-150444. Price code: PC A08/MF A01

**Alternatives for Reducing Insecticides on Cotton and Corn: Economic and Environmental Impact - Supplement 2: Procedures Used in Setting Up the Agricultural Production Model,** 1979, EPA-600/5-79-007C, Cornell Univ., Ithaca, NY.  
Order PB80-150451. Price code: PC A06/MF A01

**Assessing the Environmental Impact of Fossil-Fuel Based Energy Sources: Measurement of Organometal Species in Biological and Water Samples Using Liquid Chromatography with Electrochemical Detection.** Nov 79, EPA-600/7-79-211, National Bureau of Standards, Washington, DC.  
Order PB80-128168. Price code: PC A04/MF A01

**Assessment of Instrumentation for Monitoring Coal Flowrate and Composition.** Aug 79, EPA-600/7-79-196, TRW Systems and Energy, Redondo Beach, CA.  
Order PB80-138746. Price code: PC A08/MF A01

**Assessment of Waste Management of Volatile Radionuclides.** May 79, MITRE Corp., McLean, VA. METREK Div.  
Order PB80-147754. Price code: PC A06/MF A01

**Average Lifetime Periods for Light-Duty Trucks and Heavy-Duty Vehicles.** Nov 79, EPA-AA-SDSB-79-24, Environmental Protection Agency, Ann Arbor, MI. Standards Development and Support Branch.  
Order PB80-153893. Price code: PC A03/MF A01

**Bibliography of the Interagency Energy/Environment R and D Program.** Aug 79, EPA-600/9-79-015, Environmental Protection Agency, Washington, DC. Office of Energy, Minerals and Industry.  
Order PB80-159767. Price code: PC A14/MF A01

**Bicycling and Air Quality Information Document.** Sep 79, EPA-400/2-79-001, Abt Associates, Inc., Cambridge, MA.  
Order PB80-146863. Price code: PC A10/MF A01

**The Characteristic Impedance of Rectangular Transmission Lines with Thin Center Conductor and Air Dielectric.** 29 Apr 77, EPA-600/J-78-152, Health Effects Research Lab., Research Triangle Park, NC. Experimental Biology Div.  
Order PB80-130420. Price code: PC A02/MF A01

**Chemiluminescence of Phagocytic Cells Caused by N-Formylmethionyl Peptides.** 1978, EPA-600/J-78-148, Health Effects Research Lab., Research Triangle Park, NC. Clinical Studies Div.  
Order PB80-129372. Price code: PC A02/MF A01

**Citizen Concern with Power Plant Siting: Wisconsin Power Plant Impact Study.** Jan 80, EPA-600/3-80-004, Wisconsin Univ.-Madison. Inst. for Environmental Studies.  
Order PB80-151541. Price code: PC A06/MF A01

**Coal Conversion Control Technology. Volume I. Environmental Regulations; Liquid Effluents.** Oct 79, EPA/600/7-79/228A, Pullman Kellogg, Houston, TX.  
Order PB80-126469. Price code: PC A23/MF A01

**Coal Conversion Control Technology. Volume II. Gaseous Emissions; Solid Wastes.** Oct 79, EPA/600/7-79/228B, Pullman Kellogg, Houston, TX.  
Order PB80-126477. Price code: PC A17/MF A01

**Coal Surface Mining and Power Production in the Face of Environmental Protection Requirements,** Oct 79, EPA/600/7-79-159, Central Research and Design Inst. for Open-Pit Mining, Wroclaw (Poland).  
Order PB80-124837. Price code: PC A13/MF A01

## GUIDE TO EPA PUBLICATIONS

**Comparison of Model Predictions and Consumptive Water Use of Closed Cycle Cooling Systems.** Nov 78, EPA-600/7-78-206, Versar, Inc., Springfield, VA.  
Order PB80-148273. Price code: MF A01

**Comprehensive Progress Report for Fourier Transform NMR (Nuclear Magnetic Resonance) of Metals of Environmental Significance,** Sep 79, EPA-600/1-79-035, South Carolina Univ., Columbia. Dept. of Chemistry.  
Order PB80-137490. Price code: PC A05/MF A01

**Computer Program for Reducing Mass Spectra Data from GC/MS Systems.** Oct 79, EPA-600/2-79-194, Research Triangle Inst., Research Triangle Park, NC.  
Order PB80-133119. Price code: PC A08/MF A01

**Cooperative Agreement for the Evaluation of Current Environmental Research and Establishment of Priorities.** Apr 80, EPA-600/9-80-021, Pennsylvania State Univ., University Park. Program in Health Planning and Administration.  
Order PB80-158868. Price code: PC A16/MF A01

**CICIS - Chemical Inventory Information Tape: Supplement 1.** Nov 79, EPA/DF-80/001, Environmental Protection Agency, Washington, DC.  
Order PB80-127418. Price code: CP T02

**Determination of Human Body Burden Baseline Data of Platinum through Autopsy Tissue Analysis.** Jun 76, EPA-600/J-76-101, Health Effects Research Lab., Research Triangle Park, NC. Criteria and Special Studies Office.  
Order PB80-129943. Price code: PC A02/MF A01

**Development of an Interactive System to Study Sublethal Effects of Pollutants on the Behavior of Organisms.** Jan 80, EPA-600/3-80-010, Southeastern Massachusetts Univ., North Dartmouth.  
Order PB80-147994. Price code: PC A03/MF A01

**Development of Government Procurement Guidelines for Construction Products Containing Recovered Materials.** Oct 79, EPA/530/SW-181C, Calspan Corp., Buffalo, NY.  
Order PB80-124654. Price code: PC A08/MF A01

**Dietary Subacute Toxicity of Ethylene Thiourea in the Laboratory Rat.** 26 May 77, EPA-600/J-77-168, Health Effects Research Lab., Research Triangle Park, NC. Environmental Toxicology Div.  
Order PB80-129927. Price code: PC A02/MF A01

**Directory of Federal Coordinative Groups for Toxic Substances.** Aug 79, EPA-560/13-79-004, Environmental Protection Agency, Washington, DC. Office of Toxic Substances.  
Order PB80-137870. Price code: PC A06/MF A01

**Distribution and Abundance of Submerged Aquatic Vegetation in the Lower Chesapeake Bay, Virginia.** Aug 79, EPA-600/8-79-029/SAV1, Virginia Inst. of Marine Science, Gloucester Point.  
Order PB80-140726. Price code: PC A10/MF A01

**Effect of Acute and Chronic Cd Exposure on Lindane Metabolism.** 17 Jul 78, EPA-600/J-78-150, Health Effects Research Lab., Research Triangle Park, NC. Environmental Toxicology Div.  
Order PB80-129919. Price code: PC A02/MF A01

**The Effect of Technical and Purified Pentachlorophenol on the Rat Liver.** 17 Nov 77, EPA-600/J-78-163, Health Effects Research Lab., Research Triangle Park, NC. Environmental Toxicology Div.  
Order PB80-130321. Price code: PC A02/MF A01

**Effectiveness of Alternative Skid Reduction Measures. Volume I. Evaluation of Accident Rate-Skid Number Relationships.** Nov 78, Midwest Research Inst., Kansas City, MO.  
Order PB80-158454. Price code: PC A12/MF A01

**Effects of Nutrient Enrichment, Light Intensity and Temperature on Growth of Phytoplankton from Lake Huron.** Oct 79, EPA/600/3-79/049, Michigan Univ., Ann Arbor. Great Lakes Research Div.  
Order PB80-122831. Price code: PC A05/MF A01

**Effects of Pentachlorophenol on Hepatic Drug-Metabolizing Enzymes and Porphyria Related to Contamination with Chlorinated Dibenzo-p-Dioxins and Dibenzofurans,** 12 May 76, EPA-600/J-77-171, Health Effects Research Lab., Research Triangle Park, NC. Environmental Toxicology Div.  
Order PB80-129976. Price code: PC A02/MF A01

**Energy Pilot Studies - Integrating Report. Geothermal Solar Rational Use of Energy (Conservation) Automotive Propulsion Systems.** Oct 78, NATO Committee on the Challenges of Modern Society, Brussels (Belgium).  
Order PB80-146988. Price code: PC A05/MF A01

**Environment Midwest, January 1978 through December 1978.** Jan 78, Environmental Protection Agency, Chicago, IL. Region V.  
Order PB80-131352. Price code: PC A09/MF A01

**Environmental Assessment of Coal Cleaning Processes: Homer City Power Complex Testing.** Sep 79, EPA-600/7-79-073F, Battelle Columbus Labs., OH.  
Order PB80-140767. Price code: PC A12/MF A01

**Environmental Impact Assessment Guidelines for New Source Pulp and Paper Mills.** Sep 79, EPA-130/6-79-002, WAPORA, Inc., Washington, DC.  
Order PB80-133804. Price code: PC A07/MF A01

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**Environmental Impact Assessment Guidelines for New Source Surface Coal Mines.** Dec 79, EPA-130/6-79-005, WAPORA, Inc., Washington, DC.  
Order PB80-151756. Price code: PC A08/MF A01

**An Examination of Issues Related to U.S. Lake Erie Natural Gas Development.** Sep 78, Argonne National Lab IL Div of Environmental Impact Studies  
Order AD-A080 844/4. Price code: PC A10/MF A01

**EPA and the Academic Community - Partners in Research.** Dec 79, EPA-600/8-79-032, Environmental Protection Agency, Washington, DC. Office of Research and Development.  
Order PB80-133564. Price code: PC A02/MF A01

**EPA and the Academic Community. Partners in Research: Solicitation for Grant Proposals.** Jan 80, EPA-600/8-80-010, Environmental Protection Agency, Washington, DC. Office of Research and Development.  
Order PB80-146103. Price code: PC A02/MF A01

**EPA Publications Bibliography. Quarterly Abstract Bulletin.** 1980, Environmental Protection Agency, Washington, DC. Library Systems Branch.  
Order PB80-904200. Price code: Subscription

**Field Testing of Prototype Acoustic Emission Sewer Flowmeter.** Aug 79, EPA/600/2-79-084, Grumman Aerospace Corp., Bethpage, NY. Research Dept.  
Order PB80-121544. Price code: PC A05/MF A01

**Freshwater Algae of Rae Lakes Basin, Kings Canyon National Park (California),** Jul 79, EPA/600/3-79/080, Environmental Monitoring and Support Lab., Las Vegas, NV.  
Order PB80-122260. Price code: PC A06/MF A01

**Fuel Consumption Measurements-Carbon Balance vs. Flow Meter.** Jul 79, EPA-AA-SDSB-79-28, Environmental Protection Agency, Ann Arbor, MI. Standards Development and Support Branch.  
Order PB80-128549. Price code: PC A02/MF A01

**Great Smoky Mountain Preliminary Study for Biosphere Reserve Pollutant Monitoring.** Nov 79, EPA-600/4-79-072, Environmental Monitoring Systems Lab., Las Vegas.  
Order PB80-142201. Price code: PC A04/MF A01

**Hazardous Materials Incidents Reported to U.S. Environmental Protection Agency Regional Offices from October, 1977 through September, 1979.** Jan 80, EPA-430/9-79/019, Environmental Protection Agency, Washington, DC. Oil and Special Materials Control Div.  
Order PB80-144637. Price code: PC A18/MF A01

**Hazardous Waste Management Issues Pertinent to Section 3004 of the Resource Conservation and Recovery**

**Act of 1976.** Nov 79, International Research and Technology Corp., McLean, VA.  
Order PB80-127400. Price code: PC A16/MF A01

**Instrumentation and Techniques. A Self-Contained, Regulated, Burst-Firing Constant-Current AC Shock Generator.** 26 Oct 76, EPA-600/J-77-170, Health Effects Research Lab., Research Triangle Park, NC. Experimental Biology Div.  
Order PB80-129935. Price code: PC A02/MF A01

**Intact or Unit-Kernel Sweet Corn.** Oct 79, EPA-600/2-79-193, Science and Education Administration, Albany, CA. Western Regional Research Center.  
Order PB80-130461. Price code: PC A04/MF A01

**An Introduction to Neurobehavioral Toxicology.** 1978, EPA-600/J-78-162, Health Effects Research Lab., Research Triangle Park, NC. Experimental Biology Div.  
Order PB80-129364. Price code: PC A02/MF A01

**Investigation of Effects of Temperature, Salinity, and Electrode Design on the Performance of an Electrochemical Coliform Detector.** Nov 79, EPA-600/4-79-075, National Aeronautics and Space Administration, Langley Station, VA. Langley Research Center.  
Order N80-14676/4. Price code: PC A04/MF A01

**Isolation of a Soluble Cadmium-Binding Protein from Pulmonary Macrophages.** 23 Sep 78, EPA-600/J-78-149, Health Effects Research Lab., Research Triangle Park, NC. Environmental Toxicology Div.  
Order PB80-129950. Price code: PC A02/MF A01

**Isozyme Profiles of Lactic Dehydrogenase and Creatine Phosphokinase in Neonatal Mouse Hearts.** 1978, EPA-600/J-78-159, Health Effects Research Lab., Research Triangle Park, NC. Environmental Toxicology Div.  
Order PB80-129901. Price code: PC A02/MF A01

**Journal Holdings Report - 1979.** Nov 79, EPA-IRSB-70-05, Environmental Protection Agency, Washington, DC. Information Resources and Services Branch.  
Order PB80-121171. Price code: PC A16/MF A01

**Local Land-Use and Landownership Patterns Near a Power Plant-Wisconsin Power Plant Impact Study.** Jan 80, EPA-600/3-80-021, Wisconsin Univ.-Madison. Environmental Monitoring and Data Acquisition Group.  
Order PB80-158660. Price code: PC A04/MF A01

**Managing Small Water Systems: A Cost Study. Volume I.** Sep 79, EPA/600/2-79/147A, ACT Systems, Inc., Winter Park, FL.  
Order PB80-126402. Price code: PC A10/MF A01

## GUIDE TO EPA PUBLICATIONS

**Managing Small Water Systems: A Cost Study. Volume II.** Sep 79, EPA-600/2-79/147B, ACT Systems, Inc., Winter Park, FL.

Order PB80-126410. Price code: PC A14/MF A01

**Maximum Utilization of Water Resources in a Planned Community - Application of the Storm Water Management Model. Volume II: Appendices.** Dec 79, EPA-600/2-79-050D, Espey, Huston and Associates, Inc., Austin, TX.

Order PB80-130792. Price code: PC A13/MF A01

**Minisite Preparation for Reforestation of Strip-Mined Lands.** Jan 80, EPA-600/7-80-005, Tennessee Univ., Knoxville. Dept. of Forestry, Wildlife, and Fisheries.

Order PB80-148000. Price code: PC A03/MF A01

**Minority Consulting Professional Firms.** 1977, EPA-905/9-77-009, Environmental Protection Agency, Chicago, IL. Office of Civil Rights and Urban Affairs.

Order PB80-134752. Price code: PC A02/MF A01

**Operation of the Old River Control Project, Atchafalaya Basin: An Evaluation from Multiuse Management Standpoint.** Nov 79, EPA-600/4-79-093, Coastal Environments, Inc., Baton Rouge, LA.

Order PB80-144587. Price code: PC A04/MF A01

**Particle Size Distribution of Yellowcake Emissions at the United Nuclear-Churchrock Uranium Mill,** Jan 80, Office of Radiation Programs, Las Vegas, NV.

Order PB80-165921. Price code: PC A03/MF A01

**Preliminary Cost Estimates of Pollution Control Technologies for Geothermal Developments.** Oct 79, EPA-600/7-79-225, TRW Environmental Engineering Div., Redondo Beach, CA.

Order PB80-132368. Price code: PC A07/MF A01

**Proceedings: National Conference on Water Conservation and Municipal Wastewater Flow Reduction, Held at Chicago, Illinois on November 28-29, 1978.** Aug 79, EPA-430/9-79/-015, Environmental Protection Agency, Washington, DC. Office of Water Program Operations.

Order PB80-125065. Price code: PC A14/MF A01

**Proceedings: Symposium on Flue Gas Desulfurization Held at Las Vegas, Nevada, March 1979; Volume I,** Jul 79, EPA-600/7-79-167A, Research Triangle Inst., Research Triangle Park, NC.

Order PB80-133168. Price code: PC A99/MF A01

**Proceedings: Symposium on Flue Gas Desulfurization Held at Las Vegas, Nevada, March 1979; Volume II,** Jul 79, EPA-600/7-79-167B, Research Triangle Inst., Research Triangle Park, NC.

Order PB80-133176. Price code: PC A99/MF A01

**Reclamation and Water Relations of Strip Mine Spoils in Northern Arizona, 1976-1978.** Dec 79, EPA-600/7-79-258, Arizona Univ., Tucson.

Order PB80-152861. Price code: PC A04/MF A01

**Research to Identify Components of Energy-Related Wastes: A State-of-the-Art Report.** Dec 79, EPA-600/7-79-255, Gulf South Research Inst., New Orleans, LA.

Order PB80-137961. Price code: PC A23/MF A01

**Research Program Abstracts of the Interagency Energy/Environment R and D Program. Fiscal Year 1977.** Aug 79, EPA-600/9-79-016, Environmental Protection Agency, Washington, DC. Office of Energy, Minerals and Industry.

Order PB80-159775. Price code: PC A11/MF A01

**Research Review.** Sep 79, EPA-600/9-79-028, Environmental Research Lab., Gulf Breeze, FL.

Order PB80-119878. Price code: PC A05/MF A01

**Research, Demonstration, Training, and Fellowship Awards, October FY 1978.** Oct 78, EPA-GAD/1-78-02, Environmental Protection Agency, Washington, DC. Grants Administration Div.

Order PB80-152077. Price code: PC A16/MF A01

**The Seasonal Distribution and Abundance of Marine Bird Populations in the Strait of Juan de Fuca and Northern Puget Sound in 1978.** Sep 79, Washington Univ., Seattle. Coll. of Forest Resources.

Order PB80-130859. Price code: PC A17/MF A01

**Seminar Proceedings of Environmental Evaluation of Gasohol Production and Health Effects Held at Kansas City, Missouri on June 27, 1979.** Oct 79, EPA-907/9-79-005, Environmental Protection Agency, Kansas City, MO. Region VII.

Order PB80-146756. Price code: PC A04/MF A01

**The Societal Costs of Congestion in New York City, with Appendices.** Dec 79, EPA-902/4-79-007, Citizens for Clean Air, Inc., New York.

Order PB80-147366. Price code: PC A09/MF A01

**Soil Development and Nitrates in Minesoil.** Dec 79, EPA-600/7-79-253, Wyoming Agricultural Experiment Station, Laramie.

Order PB80-148240. Price code: PC A04/MF A01

**Stack Sampling Technical Information. A Collection of Monographs and Papers.** Oct 78, Environmental Protection Agency, Research Triangle Park, NC. Emission Measurement Branch.

Order PB80-161664. Price code: PC E13

**State and Local Grant Awards, October 1978-March 1979.** 1979, EPA-GAD/2-79-02, Environmental Protection Agency, Washington, DC. Grants Administration Div.

Order PB80-157316. Price code: PC A14/MF A01

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**Status Assessment of Toxic chemicals: Benzidine.** Dec 79, EPA-600/2-79-210E, Monsanto Research Corp., Dayton, OH.  
Order PB80-146343. Price code: PC A03/MF A01

**Status Assessment of Toxic Chemicals.** Dec 79, Monsanto Research Corp., Dayton, OH.  
Order PB80-146293. Price code: PC E99

**Status Assessment of Toxic Chemicals: Acrylonitrile.** Dec 79, EPA-600/2-79-210A, Monsanto Research Corp., Dayton, OH.  
Order PB80-146301. Price code: PC A03/MF A01

**Status Assessment of Toxic Chemicals: Arsenic.** Dec 79, EPA-600/2-79-210B, Monsanto Research Corp., Dayton, OH.  
Order PB80-146319. Price code: PC A03/MF A01

**Status Assessment of Toxic Chemicals: Asbestos.** Dec 77, EPA-600/2-79-210C, Monsanto Research Corp., Dayton, OH.  
Order PB80-146327. Price code: PC A03/MF A01

**Status Assessment of Toxic Chemicals: Benzene.** Dec 79, EPA-600/2-79-210D, Monsanto Research Corp., Dayton, OH.  
Order PB80-146335. Price code: PC A03/MF A01

**Status Assessment of Toxic Chemicals: Cadmium.** Dec 79, EPA-600/2-79-210F, Monsanto Research Corp., Dayton, OH.  
Order PB80-146350. Price code: PC A03/MF A01

**Status Assessment of Toxic Chemicals: Hexachlorobenzene.** Dec 79, EPA-600/2-79-210G, Monsanto Research Corp., Dayton, OH.  
Order PB80-146368. Price code: PC A03/MF A01

**Status Assessment of Toxic Chemicals: Lead.** Dec 79, EPA-600/2-79-210H, Monsanto Research Corp., Dayton, OH.  
Order PB80-146376. Price code: PC A03/MF A01

**Status Assessment of Toxic Chemicals: Mercury.** Dec 79, EPA-600/2-79-210I, Monsanto Research Corp., Dayton, OH.  
Order PB80-146384. Price code: PC A03/MF A01

**Status Assessment of Toxic Chemicals: Phosphates.** Dec 79, EPA-600/2-79-210J, Monsanto Research Corp., Dayton, OH.  
Order PB80-146392. Price code: PC A03/MF A01

**Status Assessment of Toxic Chemicals: Polybrominated Biphenyls.** Dec 79, EPA-600/2-79-210K, Monsanto Research Corp., Dayton, OH.  
Order PB80-146400. Price code: PC A03/MF A01

**Status Assessment of Toxic Chemicals: Polynuclear Aromatic Hydrocarbons.** Dec 79, EPA-600/2-79-210L, Monsanto Research Corp., Dayton, OH.  
Order PB80-146418. Price code: PC A03/MF A01

**Status Assessment of Toxic Chemicals: Trichloroethylene.** Dec 79, EPA-600/2-79-210M, Monsanto Research Corp., Dayton, OH.  
Order PB80-146426. Price code: PC A03/MF A01

**Status Assessment of Toxic Chemicals: Tris(2,3-Dibromopropyl) Phosphate.** Dec 79, EPA-600/2-79-210N, Monsanto Research Corp., Dayton, OH.  
Order PB80-146434. Price code: PC A03/MF A01

**Status Assessment of Toxic Chemicals: Vinylidene Chloride.** Dec 79, EPA-600/2-79-210O, Monsanto Research Corp., Dayton, OH.  
Order PB80-146442. Price code: PC A03/MF A01

**The Strait of Juan de Fuca Intertidal and Subtidal Benthos.** Mar 79, EPA-600/7-79-213, Washington Univ., Friday Harbor. Friday Harbor Labs.  
Order PB80-142136. Price code: PC E05/MF A01

**Structures of Some Kepone Photoproducts and Related Chlorinated Pentacyclodecanes by Carbon-13 and Proton Nuclear Magnetic Resonance.** 5 Sep 78, EPA/600/J-79/038, Health Effects Research Lab., Research Triangle Park, NC. Environmental Toxicology Div.  
Order PB80-121080. Price code: PC A02/MF A01

**Studies to Determine the Absorption and Excretion Dynamics of Lead.** Feb 80, EPA-600/3-80-030, Environmental Monitoring Systems Lab., Las Vegas, NV.  
Order PB80-166861. Price code: PC A03/MF A01

**Surface Phenomena in the Dewatering of Coal.** Jan 79, EPA-600/7-79-008, Syracuse Univ., NY. Dept. of Chemical Engineering and Materials Science.  
Order FE-9001-1. Price code: PC A09/MF A01

**Symposium Proceedings: Environmental Aspects of Fuel Conversion Technology, IV (April 1979, Hollywood, FL).** Sep 79, EPA-600/7-79-217, Research Triangle Inst., Research Triangle Park, NC.  
Order PB80-134729. Price code: PC A24/MF A01

**SASOL: South Africa's Oil from Coal Story--Background for Environmental Assessment.** Jan 80, EPA-600/8-80-002, TRW Environmental Engineering Div., Redondo Beach, CA.  
Order PB80-148752. Price code: PC A03/MF A01

**Tire Programs - Several Approaches with Significant Potential to Decrease Fuel Consumption.** Jun 79, En-

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Environmental Protection Agency, Ann Arbor, MI. Standards Development and Support Branch.

Order PB80-122419. Price code: PC A02/MF A01

**Tire Related Effects on Vehicle Fuel Economy.** Jul 79, EPA-AA-SDSB-79-27, Environmental Protection Agency, Ann Arbor, MI. Standards Development and Support Branch.

Order PB80-130594. Price code: PC A02/MF A01

**Tire-Dynamometer Roll Effects.** Mar 78, EPA-AA-LDTP-77-4, Environmental Protection Agency, Ann Arbor, MI. Standards Development and Support Branch.

Order PB80-142839. Price code: PC A04/MF A01

**The Toxic Substances Control Act, Public Law 94-469. Reporting for the Chemical Substances Inventory: Instructions for Reporting for the Revised Inventory.** Jun 79, Environmental Protection Agency, Washington, DC. Office of Toxic Substances.

Order PB80-147499. Price code: PC A03/MF A01

**A Track to Twin Roll Dynamometer Comparison of Several Different Methods of Vehicle Velocity Simulation.** Jun 79, EPA-AA-SDSB-79-26, Environmental Protection Agency, Ann Arbor, MI. Standards Development and Support Branch.

Order PB80-129141. Price code: PC A03/MF A01

**Use of Activity Measures in Behavioral Toxicology.** Oct 78, EPA-600/J-78-161, Health Effects Research Lab., Research Triangle Park, NC. Experimental Biology Div.

Order PB80-129893. Price code: PC A02/MF A01

**Use of Green-Manure Amendments and Tillage to Improve Minesoil Productivity.** Dec 79, EPA-600/7-79-257, Virginia Polytechnic Inst. and State Univ., Blacksburg. Dept. of Horticulture.

Order PB80-146459. Price code: PC A05/MF A01

**User's Guide for the Gas Chromatography Automation System,** Oct 79, EPA/600/4-79-067, Cincinnati Univ., OH. Southwestern Ohio Regional Computer Center.

Order PB80-125180. Price code: PC A03/MF A01

**Vehicle Efficiency: Road vs Dynamometer.** Aug 79, EPA-AA-SDSB-79-29, Environmental Protection Agency, Ann Arbor, MI. Standards Development and Support Branch.

Order PB80-132566. Price code: PC A02/MF A01

**Water Chlorination -- Environmental Impact and Health Effects. Volume II.** 1978, Oak Ridge National Lab., TN.

Order HRP-0030639/9. Price code: Not Available NTIS

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