



## *ORD Publications Announcement*

### **February-March-April 1982**

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The following pages list titles of publications that are available in each category; Project Summaries are subdivided by subject area. Publications announced for the first time are displayed in bold type. To order any publication, circle the corresponding order number on the order form at the back of this *Announcement* and return the entire back page, with your mailing label attached, to:

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# Announcement for Publication Material

## Project Summaries

### Environmental Health Effects Research

- 10001 Pesticide Effects on Prenatal Cardiovascular Physiology (Mirex-Exposed Rat Fetuses and Newborns) (EPA-600/S1-80-032)
- 10002 Study of Pathogenic Free-Living Amebas in Fresh-Water Lakes in Virginia (EPA-600/S1-80-037)
- 10004 Chromosome Aberrations in Peripheral Lymphocytes of College Students as a Response to Photochemical Air Pollution (EPA-600/S1-81-007)
- 10005 Effects of 2% Venous Carboxyhemoglobin on Exercise-Induced Angina Pectoris (EPA-600/S1-81-012)
- 10007 Effect of Industrial Particulate Samples on Alveolar Macrophages (EPA-600/S1-81-003)
- 10009 Effect of Chlorine Dioxide, Chlorite and Nitrite on Mice with Low and High Levels of Glucose 6 Phosphate Dehydrogenase (G6PD) in their Erythrocytes (EPA-600/S1-81-014)
- 10010 Assessment of Mutagenic Potential of Mixtures of Organic Substances in Renovated Water (EPA-600/S1-81-016)
- 10011 Air Pollution and Health Effects in Children Residing in Akron, Ohio (EPA-600/S1-81-004)
- 10013 Mutagenesis Screening of Pesticides Using *Drosophila* (EPA-600/S1-81-017)
- 10014 Epidemiological Study of *Klebsiella pneumoniae* Among Pulp and Paper Mill Workers (EPA-600/S1-81-023)
- 10015 Investigation of Effects of Prolonged Inhalation of Nickel - Enriched Fly Ash in Syrian Golden Hamsters (EPA-600/S1-81-009)
- 10016 *Tradescantia* MCN-In-Tetrad Mutagen Test for On-Site Monitoring and Further Validation (EPA-600/S1-81-019)
- 10018 Effects of Halogenated Aromatic Compounds on the Metabolism of Foreign Organic Compounds (EPA-600/S1-81-010)
- 10022 Mutagenic Activity and Chemical Characterization for the Palo Alto Wastewater Reclamation and Groundwater Injection Facility (EPA-600/S1-81-029)
- 10024 Potential Health Effects from Viable Emissions and Toxins Associated with Wastewater Treatment Plants and Land Application Sites (EPA-600/S1-81-006)
- 10025 Determining Effect of Pollutants on the Immune System (EPA-600/S1-81-020)
- 10026 Tracheal Organ Culture as Air Pollution Damage Indicator (EPA-600/S1-81-021)
- 10027 Pilot Program for the National Environmental Specimen Bank-Phase I (EPA-600/S1-81-025)
- 10028 Effects of Etiologically Defined Respiratory Infection on Lung Function and Its Growth in an Area of Low Air Pollution-Spirometry in Young Children When Illness-Free (EPA-600/S1-81-022)
- 10030 Health Effects of Sewage Aerosols: Additional Serological Surveys and Search for *Legionella pneumophila* in Sewage (EPA-600/S1-81-032)
- 10031 Effects of Ozone on Leukocyte DNA (EPA-600/S1-81-031)
- 10032 Teratology and Postnatal Studies in Rats of the Propylene Glycol Butyl Ether and Isoctyl Esters of 2,4-Dichlorophenoxyacetic Acid (EPA-600/S1-81-035)
- 10033 Carcinogenic Potential of Rotenone: Subchronic Oral and Peritoneal Administration to Rats and Chronic Dietary Administration to Syrian Golden Hamsters (EPA-600/S1-81-037)
- 10034 Effect of Conventional and Advanced Coal Conversion By-Products on the Pulmonary System (EPA-600/S1-81-038)
- 10035 Effects of Particulate Air Pollution on Asthmatic Subjects (EPA-600/S1-81-033)
- 10036 Skeletal Variants as an Indicator of Biological Effects of Environmental Contaminants (EPA-600/S1-81-034)
- 10037 Report of Workshop on Epidemiologic Studies of Airborne Particles (EPA-600/S1-81-039)
- 10038 Interaction of Acid Sulfates and the Respiratory System (EPA-600/S1-81-036)
- 10039 Hematologic and Immunologic Studies of Humans Exposed to SO<sub>2</sub> (EPA-600/S1-81-047)
- 10040 Development of an In Vitro Neurotoxicity Assay (EPA-600/S1-81-043)
- 10041 The University of Akron Urban Air Pollution and Human Health Study (EPA-600/S1-81-050)
- 10042 Microwaves, Hyperthermia and Human Leukocyte Function (EPA-600/S1-81-041)
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- 066 Community Health Associated with Arsenic in Drinking Water in Millard County, Utah (EPA-600/S1-81-064)
- 067 Determination of the Effects of Material from Alternate Energy Sources on the Upper Respiratory Tract Clearance Mechanism: Part I and Part II (EPA-600/S1-81-067)
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- 20176 Field Test Kit for Oil-Brine Effluents from Offshore Drilling Platforms (EPA-600/S2-81-200)
- 20177 Oil Content in Produced Brine on Ten Louisiana Production Platforms (EPA-600/S2-81-209)
- 20178 Pipeline Landfalls: A Handbook of Impact Management Techniques (EPA-600/S2-81-210)
- 20179 Use of Selected Sorbents and an Aqueous Film Forming Foam on Floating Hazardous Materials (EPA-600/S2-81-211)
- 20180 A Hazardous Materials Spill Warning System (EPA-600/S2-81-212)
- 20181 Feasibility of Commercialized Water Treatment Techniques for Concentrated Waste Spills (EPA-600/S2-81-213)
- 20182 Modification of Spill Factors Affecting Air Pollution: Volume I. An Evaluation of Cooling as a Vapor Mitigation Procedure for Spilled Volatile Chemicals (EPA-600/S2-81-214)
- 20183 Modification of Spill Factors Affecting Air Pollution: Volume II. The Control of the Vapor Hazard from Spills of Liquid Rocket Fuels (EPA-600/S2-81-215)
- 20184 A Stress Function for Evaluation Strategies for Water Quality Management (EPA-600/S2-81-217)
- 20185 A Mobile Stream Diversion System for Hazardous Materials Spills Isolation (EPA-600/S2-81-219)
- 20186 Survey and Evaluation of Fine Bubble Dome Diffuser Aeration Equipment (EPA-600/S2-81-222)
- 20187 Areawide Stormwater Pollution Analysis with the Macroscopic Planning (ABMAC) Model (EPA-600/S2-81-223)
- 20188 Heavy Metal Sources and Flows in a Municipal Sewage System: Literature Survey and Field Investigation of the Kokomo, Indiana, Sewage System (EPA-600/S2-81-224)
- 20189 Assessment of Oil Production Volatile Organic Compound Sources (EPA-600/S2-81-197)
- 20190 Guidelines for the Use of Chemicals in Removing Hazardous Substance Discharges (EPA-600/S2-81-205)
- 20191 Treatability Studies of Pesticide Manufacturing Wastewaters (EPA-600/S2-80-077)
- 20192 Applying for a Permit to Destroy PCB Waste Oil. Volumes I and II (EPA-600/S2-81-033)
- 20193 Evaluation of a Treatment Lagoon for Combined Sewer Overflow (EPA-600/S2-81-196)
- 20194 Performance of Activated Sludge Processes: Reliability, Stability and Variability (EPA-600/S2-81-227)
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- 20199 Evaluation of Abatement Alternatives Through the Use of Remote Sensing Devices (EPA-600/S2-81-185)
- 20200 Comparative Study of Air Classifiers (EPA-600/S2-81-221)
- 20201 Performance of Trickling Filter Plants: Reliability, Stability and Variability (EPA-600/S2-81-228)
- 20202 Physical and Chemical Characteristics of Synthetic Asphalt Produced from Liquefaction of Sewage Sludge (EPA-600/S2-81-242)
- 20203 A Water Vapor Monitor Using Differential Infrared Absorption (EPA-600/S2-81-162)
- 20204 Monitoring to Detect Groundwater Problems Resulting from Enhanced Oil Recovery (EPA-600/S2-81-241)

- 0205 **Guide for Spill Prevention and Countermeasure Inspectors** (EPA-600/S2-81-239)
- 0206 **Source Resolution of Polycyclic Aromatic Hydrocarbons in the Los Angeles Atmosphere: Application of a Chemical Species Balance Method with First Order Chemical Decay** (EPA-600/S2-81-161)
- 0207 **Barrel and Drum Reconditioning Industry Assessment** (EPA-600/S2-81-231)
- 0208 **Survey of On-Going and Completed Remedial Action Projects** (EPA-600/S2-81-246)
- 0209 **HERL Biological Exposure Chamber Conceptual Design: Technical Note** (EPA-600/S2-81-234)
- 0210 **Possible Approaches to the Health Effects Testing of Fuels and Fuel Additives** (EPA-600/S2-81-235)
- 0211 **Organic Emissions Evaluation of a Paint Bake Oven with Catalytic Incineration** (EPA-600/S2-81-244)
- 0212 **Model Protocol for the Comprehensive Evaluation of Publicly Owned Treatment Works Performance and Operation** (EPA-600/S2-82-015)
- 0213 **Sodium Fluxing and *In-Situ* Glassification for Hazardous Materials Disposal** (EPA-600/S2-82-021)
- 0214 **Evaluation and Control of Sidestreams Generated in Publicly Owned Treatment Works** (EPA-600/S2-82-016)
- 0215 **Spreading Lagooned Sewage Sludge on Farmland: A Case History** (EPA-600/S2-82-019)
- 0216 **Increasing ARCAT Test Sensitivity for Examination of Potable Waters** (EPA-600/S2-82-025)

## Biological Research

- 30001 **Biliary Excretion and Tissue Distribution of Cadmium-109 Administered to Rats** (EPA-600/PS3-80-085)
- 30005 **Phytoplankton Water Quality Relationships in U.S. Lakes, Part VIII: Algae Associated With or Responsible for Water Quality Problems** (EPA-600/S3-80-100)
- 30006 **Aerosol Formation from Diesel Exhaust and SO<sub>2</sub>: A Chamber Study** (EPA-600/S3-80-095)
- 30007 **Houston Aerosol Characterization Study** (EPA-600/S3-80-098)
- 30009 **Interlaboratory Comparison: Acute Testing Set** (EPA-600/S3-81-005)
- 30010 **Effects of Fluctuating Sublethal Applications of Heavy Metal Solutions Upon the Gill Ventilatory Response of Bluegills (*Lepomis macrochirus*)** (EPA-600/S3-81-003)
- 30011 **The Precision of the ASTM Bioconcentration Test** (EPA-600/S3-81-022)
- 30012 **Development of a Protocol for Testing Effects of Toxic Substances on Plants** (EPA-600/S3-81-006)
- 30013 **Experimental Protocol for Determining Ozone Reaction Rate Constants** (EPA-600/S3-81-024)
- 30014 **Production in Coastal Salt Marshes of Southern California** (EPA-600/S3-81-023)
- 30015 **Application of Fourier Transform Spectroscopy to Air Pollution Problems** (EPA-600/S3-80-093)
- 30016 **Development of Bioassay Procedures for Defining Pollution of Harbor Sediments** (EPA-600/S3-81-025)
- 30017 **Atmospheric Measurements of Trace Pollutants: Long Path Fourier Transform Infrared Spectroscopy** (EPA-600/S3-81-026)
- 30018 **State-of-the-Art of Structure Activity Methods Development** (EPA-600/S3-81-029)
- 30019 **Some Effects of Petroleum on Nearshore Alaskan Marine Organisms** (EPA-600/S3-81-018)
- 30020 **Natural Variation in Abundance of Salmonid Populations in Streams** (EPA-600/S3-81-021)
- 30021 **Behavior of DDT, Kepone, and Permethrin in Sediment-Water Systems Under Different Oxidation-Reduction and pH Conditions** (EPA-600/S3-81-038)
- 30022 **Historical Emission and Ozone Trends in the Houston Area** (EPA-600/S3-81-030)
- 30023 **Effect of Agricultural Land Development on Drainage Waters in the North Carolina Tidewater Region** (EPA-600/S3-80-087)
- 30024 **Microcosms as Test Systems for Ecological Effects of Toxic Substances: An Appraisal with Cadmium** (EPA-600/S3-81-036)
- 30025 **Evaluation of Remote Sensing Data for Input into Hydrological Simulation Program—FORTRAN (HSPF)** (EPA-600/S3-81-037)
- 30026 **Atmospheric Measurements of Selected Hazardous Organic Chemicals** (EPA-600/S3-81-032)
- 30027 **Water Temperature Dynamics in Experimental Field Channels: Analysis and Modeling** (EPA-600/S3-81-008)
- 30028 **Oxygen-Consuming Organics in Nonpoint Source Runoff** (EPA-600/S3-81-033)
- 30029 **Effects of Planform Geometry on Tidal Flushing and Mixing in Marinas** (EPA-600/S3-81-039)
- 30030 **Response of Phytoplankton Acidification in Experimental Streams** (EPA-600/S3-81-042)
- 30031 **Reduction of Toxicity to Aquatic Organisms by Industrial Wastewater Treatment** (EPA-600/S3-81-043)
- 30032 **Influence of Diet and Starvation on Toxicity of Endrin to Fathead Minnows (*Pimephales promelas*)** (EPA-600/S3-81-048)
- 30033 **Nutritional Requirements of Marine Larval and Juvenile Fish** (EPA-600/S3-81-049)
- 30034 **Characterization of Scrubbed and Unscrubbed Power Plant** (EPA-600/S3-81-041)
- 30035 **Modeling of SO<sub>2</sub> Oxidation in Smog** (EPA-600/S3-81-040)
- 30036 **Experimental Protocol for Determining Absorption Cross Sections of Organic Compounds** (EPA-600/S3-81-051)
- 30037 **Nearshore Marine Trace Metal Geochemistry** (EPA-600/S3-81-050)
- 30038 **Marine Fish Larvae Growth and Survival** (EPA-600/S3-81-052)
- 30039 **Dependence of Nephelometer Scattering Coefficients on Relative Humidity: Fronts, Nocturnal Disturbances and Wood Smoke** (EPA-600/S3-82-006)
- 30040 **Persistence in Model Ecosystems** (EPA-600/S3-82-030)
- 30041 **Validation of the EKMA Model Using Historical Air Quality Data** (EPA-600/S3-82-015)
- 30042 **Design, Fabrication and Testing of Ambient Aerosol Sampler Inlets** (EPA-600/S3-82-039)

## Environmental Monitoring

- 40001 Livermore Regional Air Quality (LIRAQ) Model (Transfer to EPA) (EPA-600/PS4-80-041)
- 40002 Thermal Analysis of the Manning S-4000 Portable Wastewater Sampler (EPA-600/PS4-80-045)
- 40003 Evaluation of Ozone Calibration Procedures (EPA-600/S4-80-050)
- 40004 Aerosol Analysis for the Regional Air Pollution Study: Final Report (EPA-600/S4-81-006)
- 40007 Optimum Meteorological and Air Pollution Sampling Network Selection in Cities. Volume III: Objective Variational Analysis Model (EPA-600/S4-81-012)
- 40008 Potential Flow Model for Gaussian Plume Interaction with Simple Terrain Features (EPA-600/S4-81-008)
- 40009 Meadowland Natural Treatment Processes in the Lake Tahoe Basin: A Field Investigation (EPA-600/S4-81-026)
- 40010 Reaction Products from the Chlorination of Seawater (EPA-600/S4-81-010)
- 40011 Dependence of Nephelometer Scattering Coefficients on Relative Humidity: Evolution of Aerosol Bursts (EPA-600/S4-81-030)
- 40012 Evaluation of Sampling Techniques for Atmospheric Emissions from Sintering in the Iron and Steel Industry (EPA-600/S4-81-023)
- 40013 Evaluation of Molecular Sieves for Sampling NO<sub>x</sub> Emissions at Electric Utility Plants (EPA-600/S4-81-024)
- 40014 A Summary of the EPA National Source Performance Audit Program—1979 (EPA-600/S4-81-029)
- 40016 Development of Methods and Analysis of Particulate Sampler Data from RAPS (EPA-600/S4-81-021)
- 40017 Water Quality and Mangrove Ecosystem Dynamics (EPA-600/S4-81-022)
- 40018 Design of a Laboratory for Particulate Analysis (EPA-600/S4-81-032)
- 40019 Evaluation of the Procedures for Identification of Hazardous Wastes, Part 1. Sampling, Extraction, and Inorganic Analytical Procedures (EPA-600/S4-81-027)
- 40020 Geothermal Environmental Assessment Baseline Study—Vegetation and Soils of the Roosevelt Hot Springs Geothermal Research Area (EPA-600/S4-81-060)
- 40021 Evaluation of the Hewlett-Packard 5993B Gas Chromatograph-Mass Spectrometer (EPA-600/S4-81-043)
- 40022 Case Studies in the Application of Air Quality Modeling in Environmental Decision Making (EPA-600/S4-81-034)
- 40023 Sampling and Analysis of Wastes Generated by Gray Iron Foundries (EPA-600/S4-81-028)
- 40024 Tissue Assays and Population Characteristics of Roosevelt Hot Springs' Animals (1977-1978) (EPA-600/S4-81-072)
- 40025 National Performance Audit Program: 1979 Proficiency Surveys for Sulfur Dioxide, Nitrogen Dioxide, Carbon Monoxide, Sulfate, Nitrate, Lead and High Volume Flow (EPA-600/S4-81-025)
- 40026 Determination of Phthalates in Industrial and Municipal Wastewaters (EPA-600/S4-81-063)
- 40027 Determination of Haloethers in Industrial and Municipal Wastewaters (EPA-600/S4-81-062)
- 40028 Determination of Volatile Organics in Industrial and Municipal Wastewaters (EPA-600/S4-81-071)
- 40029 Impact of Topographic Circulations on the Transport and Dispersion of Air Pollutants (EPA-600/S4-81-068)
- 40030 Carbon Monoxide Commuter Exposure Data Base: A 5-Day Study in Los Angeles (EPA-600/S4-81-069)
- 40031 Long-Range Transport and Transformation of SO<sub>2</sub> and Sulfate Refinement, Application and Verification of Models (EPA-600/S4-81-070)
- 40032 Air Quality Data for Nonmetallic Inorganic Ions: Nitrate and Sulfate for 1977 and 1978 from the National Air Surveillance Networks (EPA-600/S4-81-074)
- 40033 A Summary of the EPA National Source Performance Audit Program—1980 (EPA-600/S4-81-077)
- 40034 Analysis of Commercial Cylinder Gases of Nitric Oxide, Sulfur Dioxide, and Carbon Monoxide at Source Concentrations—Results of Audit 5 (EPA-600/S4-81-080)
- 40035 Development of Analytical Test Procedures for Organic Pollutants in Wastewater—Application to Pesticides (EPA-600/S4-81-017)
- 40036 Technical Assistance Document for the Calibration and Operation of Automated Ambient Non-Methane Organic Compound Analyzers (EPA-600/S4-81-015)
- 40037 Polynuclear Aromatic Hydrocarbons and Cellular Proliferative Disorders in Bivalve Molluscs from Oregon Estuaries (EPA-600/S4-82-026)
- 40038 Determination of an Empirically Derived IP/TSP Relationship (EPA-600/S4-82-034)
- 40039 Determination of Benzidines in Industrial and Municipal Wastewaters (EPA-600/S4-82-022)

## Socioeconomic Environmental Studies

- 50001 Socioeconomic Analysis of Hazardous Waste Management Alternatives: Methodology and Demonstration (EPA-600/S5-81-001)

## Interagency Energy-Environment Research and Development

- 70002 Environmental Assessment of a Waste-to-Energy Process, Burlington Electric's Wood and Oil Co-Fired Boiler (EPA-600/PS7-80-148)
- 70003 Environmental Assessment of a Waste-to-Energy Process: Braintree Municipal Incinerator (EPA-600/PS7-80-149)
- 70004 Further Study of Adipic Acid Degradation in FGD Scrubbers (EPA-600/PS7-80-152)
- 70005 Demonstration of Debris Basin Effectiveness in Sediment Control (EPA-600/PS7-80-154)
- 70006 Support Studies in Fluidized-Bed Combustion—Annual Report, October 1978 - September 1979 (EPA-600/PS7-80-156)
- 70007 Fabric Filtration Analyses for Three Utility Boiler Flyashes (EPA-600/PS7-80-157)
- 70008 Fugitive Dust from Western Surface Coal Mines (EPA-600/PS7-80-158)
- 70009 Environmental Assessment of Waste-to-Energy Process: Union Carbide's Purox® Process (EPA-600/S7-80-161)
- 70011 Environmental Assessment of a Waste-to-Energy Process: GSA/Pentagon Co-Fired Boiler Tests (EPA-600/S7-80-170)
- 70012 Trace Metals and Stationary Conventional Combustion Processes (EPA-600/S7-80-155)



- 70013 Gaseous and Particulate Ammonia and Nitric Acid Concentrations, Columbus, Ohio Area—Summer 1980 (EPA-600/S7-80-179)
- 70014 Effect of Scrubbing Operating Conditions on Adipic Acid Degradation (EPA-600/S7-81-017)
- 70015 Reconnaissance Study of Leachate Quality from Raw Mined Oil Shale - Laboratory Columns (EPA-600/S7-80-181)
- 70016 Hydrologic Impacts from Potential Coal Strip Mining—Northern Cheyenne Reservation (EPA-600/S7-81-004)
- 70017 Aerosol Characterization of Ambient Air Near a Commercial Lurgi Coal Gasification Plant—Kosova Region, Yugoslavia (EPA-600/S7-80-177)
- 70018 Environmental Effects of *In-Situ* Gasification of Texas Lignite (EPA-600/S7-81-035)
- 70019 Interagency Flue Gas Desulfurization Evaluation: Final Report (EPA-600/S7-81-015)
- 70020 Environmental Characterization of Geokinetics *In-Situ* Oil Shale Retorting Technology (EPA-600/S7-81-021)
- 70021 Addendum to Environmental Assessment: Source Test and Evaluation Report—Chapman Low BTU Gasification (EPA-600/S7-80-178)
- 70022 Emissions Assessment of Conventional Stationary Combustion Systems: Vol. III. External Combustion Sources for Electricity Generation (EPA-600/S7-81-003a)
- 70023 Emissions Assessment of Conventional Stationary Combustion Systems: Vol. IV. Commercial Institutional Combustion Sources (EPA-600/S7-81-003b)
- 70024 Impact of Resource Conservation and Recovery Act on FBC Residue Disposal (EPA-600/S7-81-011)
- 70025 Environmental, Operational and Economic Aspects of Thirteen Selected Energy Technologies (EPA-600/S7-80-173)
- 70026 Comparison of Relative Emissions from Double Mechanical Pump Seals to Other Types of Pump Shaft Seals (EPA-600/S7-81-019)
- 70027 Summary of Coal-Based Synthetic Fuel Initiatives (EPA-600/S7-81-023)
- 70028 Characterization of Two Core Holes from the Naval Oil Shale Reserve Number 1 (EPA-600/S7-81-024)
- 70029 Effect of Collisional Lifetime in Optoacoustic Detection of Pollutant Gases (EPA-600/S7-81-026)
- 70030 Asbestos/Asbestiform Research in EPA ORD (EPA-600/S7-81-032)
- 70031 Greenhouse Production of All Bedding and Foliage Plants with Industrial Heat (EPA-600/S7-81-034)
- 70032 Assessment of Oil Shale Retort Wastewater Treatment and Control Technology—Phases I & II (EPA-600/S7-81-081)
- 70033 Batch Pretreatment Process Technology for Abatement of Emissions and Conservation of Energy in Glass Melting Furnaces: Phase I. Process Design Manual (EPA-600/S7-81-038)
- 70034 Limestone-Lime Treatment of Acid Mine Drainage—Full Scale (EPA-600/S7-81-033)
- 70035 Water Pollution Potential of Coal-Slurry Pipelines (EPA-600/S7-81-082)
- 70036 Sulfur Dioxide Oxidation Reactions in Aqueous Solutions (EPA-600/S7-81-085)
- 70037 Methods for Level 2 Analysis by Organic Compound Category (EPA-600/S7-81-029)
- 70038 Facilities Evaluation of High Efficiency Boiler Destruction of PCB Waste (EPA-600/S7-81-031)
- 70039 Planning Study to Model and Monitor Coal Pile Runoff (EPA-600/S7-81-016)
- 70040 Second Survey of Dry SO<sub>2</sub> Control Systems (EPA-600/S7-81-018)
- 70041 Effect of Parameters of Filtration on Dust Cleaning Fabrics (EPA-600/S7-81-028)
- 70042 Ohio River Basin Energy Study (ORBES) (EPA-600/S7-81-008)
- 70043 The Analysis of Oil Shale Wastes: A Review (EPA-600/S7-81-084)
- 70044 Fabric Filter Systems Study: Second Annual Report (EPA-600/S7-81-037)
- 70045 Secondary Formation Products in Power Plant Plumes (EPA-600/S7-81-092)
- 70046 Technique for Measuring Reduced Forms of Sulfur in Ambient Air (EPA-600/S7-81-041)
- 70047 Evaluation of Emissions and Control Technology for Industrial Stoker Boilers (EPA-600/S7-81-090)
- 70048 Environmental Aspects of Synfuel Utilization (EPA-600/S7-81-025)
- 70049 Public Health Effects from Industrial Amines Production, A Preliminary Evaluative Approach (EPA-600/S7-80-174)
- 70050 Environmental Assessment: Source Test and Evaluation Report Koppers-Totzek Process (EPA-600/S7-81-009)
- 70051 Preliminary Environmental Assessment of Afterburner Combustion Systems (EPA-600/S7-80-153)
- 70052 Selective Catalytic Reduction and NO<sub>x</sub> Control in Japan (EPA-600/S7-81-030)
- 70053 Vapor-Phase Cracking and Wet Oxidation as Potential Pollutant Control Techniques for Coal Gasification (EPA-600/S7-81-096)
- 70054 Control of Emissions from Residential Wood Burning by Combustion Modification (EPA-600/S7-81-091)
- 70055 Evaluation of Relative Environmental Hazards from a Coal Gasifier (EPA-600/S7-81-100)
- 70056 EPA Coal Cleaning Program: FY1979 Progress Report (EPA-600/S7-81-070)
- 70057 Environmental Aspects of Fluidized-Bed Combustion (EPA-600/S7-81-075)
- 70058 Source Test and Evaluation Report: D. H. Mitchell Unit No. 11, Northern Indiana Public Service Co. (EPA-600/S7-81-104)
- 70059 Emissions Assessment of Conventional Stationary Combustion Systems: Vol. V. Industrial Combustion Sources (EPA-600/S7-81-003c)
- 70060 Control of Utility Boiler and Gas Turbine Pollutant Emissions by Combustion Modification—Phase II (EPA-600/S7-81-039)
- 70061 Coal Gasifier Parameters Influencing Environmental Pollutant Production (EPA-600/S7-81-098)
- 70062 Disposal of Flue Gas Desulfurization Wastes: EPA Shawnee Field Evaluation—Final Report (EPA-600/S7-81-103)
- 70063 Coal and the Environment Abstract Series: Bibliography on Disposal of Mine and Cleaning Plant Refuse (EPA-600/S7-81-107)
- 70064 Mixing Phenomena in Industrial Fume Afterburner Systems (EPA-600/S7-81-110)
- 70065 Third Survey of Dry SO<sub>2</sub> Control Systems (EPA-600/S7-81-097)

- 70066 Assessment of Hazard Potential from Combustion of Wastes in Industrial Boilers (EPA-600/S7-81-108)
- 70067 Performance Evaluation of the Braintree Electric Light Department Dry Cooling Tower (EPA-600/S7-81-109)
- 70068 Use of Vegetative Filter Zone to Control Fine-Grained Sediments from Surface Mines (EPA-600/S7-81-117)
- 70069 Environmental and Economic Comparison of Advanced Processes for Conversion of Coal Biomass into Clean Energy (EPA-600/S7-81-133)
- 70070 Source Test and Evaluation Report: Cane Run Unit No. 6, Louisville Gas and Electric Co. (EPA-600/S7-81-134)
- 70071 EPA Utility FGD Survey—January-March 1981 (EPA-600/S7-81-012c)
- 70072 Environmental Hazard Rankings of Pollutants Generated in Coal Gasification Processes (EPA-600/S7-81-101)
- 70073 ENAMAP-1 Long-Term SO<sub>2</sub> and Sulfate Pollution Model: Further Application to Eastern North America (EPA-600/S7-81-102)
- 70074 Control of Hydrocarbon Emissions from Gasoline Loading by Refrigeration Systems (EPA-600/S7-81-121)
- 70075 Photoacoustic Detection of Particulate Carbon (EPA-600/S7-81-129)
- 70076 Final Report on the Workshop on Energy Development Issues Affecting Appalachia (EPA-600/S7-81-130)
- 70077 Coal Resources and Sulfur Emissions Regulations: A Summary of Eight Eastern and Midwestern States (EPA-600/S7-81-086)
- 70078 Executive Summary for Power Plant Cooling System Water Consumption and Nonwater Impact Reports (EPA-600/S7-81-112)
- 70079 Field Studies on Paraho Retorted Oil Shale Lysimeters: Leachate, Vegetation, Moisture, Salinity and Runoff, 1977-1980 (EPA-600/S7-81-131)
- 70080 Energy Use Patterns and Environmental Implications of Direct-Fired Industrial Processes (EPA-600/S7-81-132)
- 70081 Pilot-Scale Development of a Low-NO<sub>x</sub> Coal-Fired Tangential System (EPA-600/S7-81-137)
- 70082 Sampling and Analysis of Potential Geothermal Sites (EPA-600/S7-81-138)
- 70083 Demonstration of Wellman-Lord/Allied Chemical FGD Technology: Final Report and Demonstration Test Second Year Results (EPA-600/S7-81-140)
- 70085 Use of Coal Cleaning for Compliance with SO<sub>2</sub> Emission Regulations (EPA-600/S7-81-146)
- 70086 Feasibility of Coal Burning in Catalytic Combustors (EPA-600/S7-81-150)
- 70087 Fuel NO<sub>x</sub> Control by Catalytic Combustion (EPA-600/S7-81-151)
- 70088 Environmental Assessment: Source Test and Evaluation Report—Coal Preparation Plant No. 1 (EPA-600/S7-81-071a)
- 70089 Field Studies on USBM and TOSCO II Retorted Oil Shales: Vegetation, Moisture, Salinity and Runoff, 1977-1978 (EPA-600/S7-81-139)
- 70090 Pilot Field Studies of FGD Waste Disposal at Louisville Gas and Electric (EPA-600/S7-81-155)
- 70091 Electric Rates and Boiler Fuel Choice (EPA-600/S7-81-157)
- 70092 Bioassay and Chemical Analysis for Hazardous Materials in Residual Oils (EPA-600/S7-81-080)
- 70093 Emissions Assessment of Conventional Stationary Combustion Systems: Summary Report (EPA-600/S7-81-003d)
- 70094 On-Site GC/MS Analysis of Chapman Gasification Separator Liquor (EPA-600/S7-81-136)
- 70095 Study of Automatic Control Systems to Maintain Constant Percentage SO<sub>2</sub> Retention in a Pressurized FBC (EPA-600/S7-81-154)
- 70096 Fuel Decomposition and Flame Reactions in Conversion of Fuel Nitrogen to NO<sub>x</sub> (EPA-600/S7-81-158)
- 70097 Long-Term Effects of Slow-Rate Land Application of Municipal Wastewater (EPA-600/S7-81-152)
- 70098 Environmental and Economic Aspects of Indirect Coal Liquefaction Processes: A Report Emphasizing the Relationship Between Product Mix and Efficiency (EPA-600/S7-81-153)
- 70099 Control of Particulate Emissions from Atmospheric Fluidized-Bed Combustion with Fabric Filters and Electrostatic Precipitators (EPA-600/S7-81-105)
- 70100 Emissions and Efficiency Performance of Industrial Coal-Stoker-Fired Boilers (EPA-600/S7-81-111)
- 70101 Spray Charging and Trapping Scrubber for Fugitive Particle Emission Control (EPA-600/S7-81-125)
- 70102 Evaluation of the Limestone Dual Alkali Prototype System at Plant Scholz: Final Report (EPA-600/S7-81-141b)
- 70103 Environmental Assessment: Source Test and Evaluation Report—Lurgi (Kosovo) Medium-Btu Gasification, Final Report (EPA-600/S7-81-142)
- 70104 Performance Evaluation of an Industrial Spray Dryer for SO<sub>2</sub> Control (EPA-600/S7-81-143)
- 70105 EPA Utility FGD Survey April - June 1981 (EPA-600/S7-81-012d)
- 70106 Environmental Assessment: Source Test and Evaluation Report—Coal Preparation Plant No. 2 (EPA-600/S7-81-071b)
- 70107 Solar Energy for Pollution Control (EPA-600/S7-81-166)
- 70108 Inventory of Current Indoor Air Quality-Related Research (EPA-600/S7-81-119)
- “Special” Project Summaries**
- 80009 Limestone FGD Scrubbers: User’s Handbook (EPA-600/S8-81-017)
- 80010 Assessment of Future Environmental Trends and Problems: Industrial Use of Applied Genetics and Biotechnologies (EPA-600/S8-81-020)
- Miscellaneous Project Summaries**
- 90014 Proceedings: Fourth Symposium on Fugitive Emissions: Measurement and Control (New Orleans, LA, May 1980) (EPA-600/S9-81-041)
- 90015 Proceedings: EPA/Industry Forum on Coal Liquefaction (October 1979) (EPA-600/S9-80-054)
- 90016 Proceedings of the Joint Symposium on Stationary Combustion NO<sub>x</sub> Control (EPA-600/S9-81-028)
- 90017 Proceedings: Symposium on Iron and Steel Pollution Abatement Technology for 1980 (EPA-600/S9-81-017)
- 90018 Environmental Regulations and Technology: The Dry Cleaning Industry (EPA-625/S10-81-002)
- 90019 Symposium Proceedings: Environmental Aspects of Fuel Conversion Technology, V (Sept. 1980, St. Louis, MO) (EPA-600/S9-81-006)
- 90020 Proceedings: Symposium on Flue Gas Desulfurization—Houston, October 1980 (EPA-600/S9-81-019)

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