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ABSTRACT

Prepared for the Environmental Protection Agency (EPA), this bibliography of published reports covers information concerning the advancement of water pollution control technology and knowledge. The reports provide a central source of information on the research, development, and demonstration activities in the water research program of the EPA, through inhouse research and grants and contracts with Federal, State, and local agencies, research institutions, and industrial organizations. Items are categorized as: (1) Municipal Pollution Control, (2) Industrial Pollution Control, (3) Agricultural Pollution Control, (4) Mining Pollution Control, (5) Other Sources of Pollution Control, (6) Water Quality Control, (7) Waste Treatment and Ultimate Disposal, and (8) Water Quality Requirements Research. Each entry lists report number, title and author of report, source of availability, and cost of purchase. Over 600 reports are noted. (BL)

WATER POLLUTION CONTROL RESEARCH SERIES

Bibliography of Water Quality Research Reports

JUNE, 1972

OFFICE OF RESEARCH AND MONITORING
U.S. Environmental Protection Agency
Washington, D.C. 20460

FOREWORD

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Report Number	Title/Author	Source
	Municipal Pollution Control	
1101 - Sewered Wastes		
11010EGO01/71	Phosphorus Removal by Ferrous Iron and Lime; by Rand Development Corp., Cleveland, Ohio, and County of Lake, Painesville, Ohio	GPO - 75¢ NTIS - PB 208 208
11010ESQ08/71	Design Guides for Biological Wastewater Treatment Process; by the City of Austin, Texas, and the Center for Research in Water Resources, Univ. of Texas, Austin, Texas	GPO - $1.75
11010EVE01/71	Evaluation of Conditioning and Dewatering Sewage Sludge by Freezing; by Sewerage Commission of the City of Milwaukee, Wisconsin	GPO - 70¢
11010FLQ03/71	Phosphorus Removal with Pickle Liquor in an Activated Sludge Plant; by Sewerage Commission of the City of Milwaukee, Wisconsin	GPO - $1.25 NTIS - PB 208 216
11010FMY10/70	Engineering Feasibility Demonstration Study for Muskegon County, Michigan Wastewater Treatment-Irrigation System; by Muskegon County Board and Dept. of Public Works, Muskegon, Michigan	GPO - $1.50 NTIS - PB 197 447
1102 - Combined Sewer Discharges		
11020---09/67	Demonstrate the Feasibility of the Use of Ultrasonic Filtration in Treating the Overflows from Combined and/or Storm Sewers; by Acoustica Assoc., Inc., Los Angeles, Calif.	NTIS - PB 201 745
11020---12/67	Problems of Combined Sewer Facilities and Overflows - 1967; by American Public Works Association, Chicago, IL	GPO - $1.00
11020---05/68	Feasibility of a Stabilization-Retention Basin in Lake Erie at Cleveland, Ohio; by Havens and Emerson, Cleveland, Ohio	NTIS - PB 195 083
11020---06/69	Reduction in Infiltration by Zone Pumping; by Hoffman and Fiske, Lewiston, Idaho	NTIS - PB 187 868
11020---10/69	Crazed Resin Filtration of Combined Sewer Overflows; by Hercules, Inc., Wilmington, Delaware	NTIS - PB 187 867

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11020---03/70	Combined Sewer Overflow Seminar Papers; by Storm and Combined Sewer Pollution Control Branch, Division of Applied Science and Technology, FWQA, Washington, D.C.	NTIS - PB 199 361
11020---02/71	Deep Tunnels in Hard Rock; by College of Applied Science and Engineering and Univ. Extension, Univ. of Wisconsin, Milwaukee, Wisconsin	GPO - $1.75
11020DES06/69	Selected Urban Storm Water Runoff Abstracts; by The Franklin Institute, Phila., Pa.	NTIS - PB 185 314
11020DGZ10/69	Design of a Combined Sewer Fluidic Regulator; by Bowles Engineering Corp., Silver Spring, Maryland	NTIS - PB 188 914
11020DHQ06/72	Ground Water Infiltration and Internal Sealing of Sanitary Sewers, Montgomery County, Ohio; by G. E. Cronk, Montgomery County Sanitary Dept., Dayton, OH	(At press)
11020DIG08/69	Polymers for Sewer Flow Control; by The Western Co., Richardson, Texas	NTIS - PB 185 951
11020DIH06/69	Improved Sealants for Infiltration Control; by The Western Company, Richardson, Texas	GPO - $1.25 NTIS - PB 185 950
11020DNO08/67	Feasibility of a Periodic Flushing System for Combined Sewer Cleansing; by FMC Corp., Santa Clara, California	NTIS - PB 195 223
11020DNO03/72	A Flushing System for Combined Sewer Cleansing; by Central Engineering Laboratories, FMC Corporation, Santa Clara, California	GPO - $1.75
11020DWF12/69	Control of Pollution by Underwater Storage; by Underwater Storage, Inc., and Silver Schwartz, Ltd., Washington, D.C.	GPO - $1.75 NTIS - PB 191 217
11020EKO10/69	Combined Sewer Separation Using Pressure Sewers; by American Society of Civil Engineers, Cambridge, Massachusetts	NTIS - PB 188 511
11020EXV07/69	Strainer/Filter Treatment of Combined Sewer Overflows; by Fram Corporation, East Providence, Rhode Island	NTIS - PB 185 949
11020FAL03/71	Evaluation of Storm Standby Tanks, Columbus, Ohio; by Dodson, Kinney & Lindblom, Columbus, Ohio	GPO - $1.50 NTIS - PB 202 236
11020FAQ03/71	Dispatching System for Control of Combined Sewer Losses; by Metro. Sewer Board, St. Paul, Minnesota	GPO - $1.75 NTIS - PB 203 678
11020FDC01/72	Screening/Flotation Treatment of Combined Sewer Overflows; by The Ecology Division, Rex Chainbelt, Inc., Milwaukee, Wisconsin	GPO - $1.50
11020FKI01/70	Dissolved-Air Flotation Treatment of Combined Sewer Overflows; by Rhodes Corp., Oklahoma City, Oklahoma	NTIS - PB 189 775

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11022DEI05/72	Sewer Bedding and Infiltration Gulf Coast Area; by J. K. Mayer, F. W. Macdonald, and S. E. Steimle; Tulane University, New Orleans, Louisiana	GPO - $1.50
11022DMU07/70	Combined Sewer Regulator Overflow Facilities; by American Public Works Association, Chicago, Illinois	GPO - $1.50
11022DMU08/70	Combined Sewer Regulation and Management - A Manual of Practice; by American Public Works Association, Chicago, Illinois	GPO - $1.50 NTIS - PB 195 676
11022DPP10/70	Combined Sewer Temporary Underwater Storage Facility; by Melpar, Falls Church, VA	GPO - $1.75 NTIS - PB 197 669
11022ECV09/71	Underwater Storage of Combined Sewer Overflows; by Karl R. Rohrer Associates, Inc., Akron, Ohio	GPO - $1.50 NTIS - PB 208 346
11022EFF12/70	Control of Infiltration and Inflow into Sewer Systems; by American Public Works Association, Chicago, Illinois	GPO - $1.25 NTIS - PB 200 827
11022EFF01/71	Prevention and Correction of Excessive Infiltration and Inflow Into Sewer Systems - A Manual of Practice; by American Public Works Association, Chicago, Illinois	GPO - $1.25 NTIS - PB 203 208
11022ELK12/71	Maximizing Storage in Combined Sewer Systems; by Municipality of Metropolitan Seattle, Washington	GPO - $1.75 NTIS - PB 209 861
11023---08/70	Retention Basin Control of Combined Sewer Overflows; by Springfield Sanitary District, Springfield, Illinois	GPO - $1.00 NTIS - PB 200 828
11023DAA03/72	Hypochlorite Generator for Treatment of Combined Sewer Overflows; by Ionics, Inc., Watertown, Massachusetts	GPO - $1.00
11023DPI08/69	Rapid-Flow Filter for Sewer Overflows; by Rand Development Corp., Cleveland, Ohio	NTIS - PB 194 032
11023DZF06/70	Ultrasonic Filtration of Combined Sewer Overflows; by American Process Equipment Corp., Hawthorne, California	GPO - 60¢
11023EVO06/70	Microstraining and Disinfection of Combined Sewer Overflows; by Cochrane Div., Crane Company, King of Prussia, Pennsylvania	GPO - 70¢ NTIS - PB 195 674
11023EYI04/72	High Rate Filtration of Combined Sewer Overflows; by Ross Nebolsine, P. J. Harvey, and Chi-Yuan Fan, Hydrotechnic Corporation, New York, NY	GPO - $2.50
11023FDB09/70	Chemical Treatment of Combined Sewer Overflows; by Dow Chemical Company, Midland, Michigan	GPO - $1.50 NTIS - PB 199 070
11023FDD03/70	Rotary Vibratory Fine Screening of Combined Sewer Overflows; by Cornell, Howland, Hayes and Merryfield, Corvallis, Oregon	GPO - $1.00 NTIS - PB 195 168

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11023FDD07/71	Demonstration of Rotary Screening for Combined Sewer Overflows; by City of Portland, Dept. of Public Works, Portland, Oregon	GPO - 65¢ NTIS - PB 206 814
11023FIX08/70	Conceptual Engineering Report-Kingman Lake Project; by Roy F. Weston, West Chester, PA	GPO - $1.25 NTIS - PB 197 598
11024---06/70	Combined Sewer Overflow Abatement Technology; by Storm and Combined Sewer Pollution Control Branch, Div. of Applied Science and Technology, FWQA, Washington, D.C.	GPO - $2.50 NTIS - PB 193 939
11024DMS05/70	Engineering Investigation of Sewer Overflow Problems; by Hayes, Seay, Mattern and Mattern, Roanoke, Virginia	GPO - $2.00 NTIS - PB 195 201
11024DOC07/71	Storm Water Management Model, Vol. I, Final Report; by Metcalf & Eddy Engineers, Palo Alto, California	GPO - $2.75 NTIS - PB 203 289
11024DOC08/71	Storm Water Management Model, Vol. II, Verification and Testing; by Metcalf & Eddy Engineers, Palo Alto, California	GPO - $1.50 NTIS - PB 203 290
11024DOC09/71	Storm Water Management Model, Vol. III, User's Manual; by Metcalf & Eddy Engineers, Palo Alto, California	GPO - $2.75 NTIS - PB 203 291
11024DOC10/71	Storm Water Management Model, Vol. IV, Program Listing; by Metcalf & Eddy Engineers, Palo Alto, California	GPO - $2.00 NTIS - PB 203 292
11024DOK02/70	Proposed Combined Sewer Control by Electrode Potential; by Merrimack College, Andover, Massachusetts	NTIS - PB 195 169
11024DQU10/70	Urban Runoff Characteristics; by Univ. of Cincinnati, Cincinnati, Ohio	GPO - $2.75 NTIS - PB 202 865
11024EJC07/70	Selected Urban Storm Water Runoff Abstracts, July 1968-June 1970; by The Franklin Inst. Research Laboratories, Philadelphia, PA	GPO - $2.75 NTIS - PB 198 228
11024EJC10/70	Selected Urban Storm Water Runoff Abstracts, First Quarterly Issue; by The Franklin Inst. Research Laboratories, Philadelphia, PA	GPO - 50¢ NTIS - PB 198 229
11024EJC01/71	Selected Urban Storm Water Runoff Abstracts, Second Quarterly Issue; by The Franklin Institute Research Laboratories, Philadelphia, Pennsylvania	GPO - 60¢ NTIS - PB 198 312
11024ELB01/71	Storm and Combined Sewer Pollution Sources and Abatement, Atlanta, Ga.; by Black, Crow and Eidsness, Inc., Atlanta, Georgia	NTIS - PB 201 725
11024EQE06/71	Impregnation of Concrete Pipe; by Southwest Research Insti., San Antonia, Texas	GPO - 75¢

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11024EQG03/71	Storm Water Problems and Control in Sanitary Sewers, Oakland and Berkeley, California; by Metcalf & Eddy Engineers, Palo Alto, California	GPO - $4.00 NTIS - PB 208 815
11024EXF08/70	Combined Sewer Overflow Abatement Alternatives, Washington, D.C.; by Roy F. Weston, Inc., West Chester, Pennsylvania	GPO - $2.00 NTIS - PB 203 680
11024FJE04/71	Selected Urban Storm Water Runoff Abstracts, Third Quarterly Issue; by Franklin Institute Research Laboratories, Philadelphia, PA	GPO - 75¢
11024FJE07/71	Selected Urban Storm Water Runoff Abstracts, July 1970-June 1971; by The Franklin Inst. Research Laboratories, Philadelphia, PA	GPO - $1.50
11024FKJ10/70	In-Sewer Fixed Screening of Combined Sewer Overflows; by Envirogenics Co., Div. of Aerojet-General Corp., El Monte, CA	GPO - $1.25
11024FKM12/71	Urban Storm Runoff and Combined Sewer Overflow Pollution, Sacramento, California; by Envirogenics Co., Div. of Aerojet-General Corp., El Monte, California	GPO - $1.75 NTIS - PB 208 989
11024FKN11/69	Stream Pollution and Abatement from Combined Sewer Overflows, Bucyrus, Ohio; by Burgess and Niple, Ltd., Columbus, Ohio	GPO - $2.00 NTIS - PB 195 162
11024FLY06/71	Heat Shrinkable Tubing as Sewer Pipe Joints; by The Western Co. of North America, Richardson, Texas	GPO - $1.25 NTIS - PB 208 816
1103 - Storm Sewer Discharges		
11030DNK08/68	The Beneficial Use of Storm Water; by Hittman Associates, Inc., Baltimore, Maryland	NTIS - PB 195 160
11030DNS01/69	Water Pollution Aspects of Urban Runoff; by American Public Works Asso., Chicago, IL	GPO - $1.50
11034DUY03/72	Investigation of Porous Pavements for Urban Runoff Control; by E. Thelen, W. C. Grover, A. J. Hoiberg, and T. I. Haigh, Franklin Inst. Research Laboratories, Philadelphia, Pennsylvania	GPO - $1.25
11034FKL07/70	Storm Water Pollution From Urban Land Activity; by AVCO Economic Systems Corp., Washington, D.C.	GPO - $2.50 NTIS - PB 195 281
11034FLU06/71	Hydraulics of Long Vertical Conduits and Associated Cavitation; by Univ. of Minnesota, Minneapolis, Minnesota	GPO - 60¢
1104 - Non-sewered Runoff		
11040GKK06/71	Environmental Impact of Highway Deicing; by Edison Water Quality Lab., EPA, Edison, NJ	GPO - $1.25 NTIS - PB 203 493

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1105 - Non-sewered Municipal Wastes		
11050FKE12/69	A Study of Flow Reduction and Treatment of Wastewater from Households; by General Dynamics Electric Boat Div., Groton, Conn.	GPO - $1.25 NTIS - PB 197 599
1106 - Joint (Mun./Ind.) Wastes		
11060DPD02/71	Combined Treatment of Municipal Kraft Linerboard and Fiberboard Manufacturing Wastes; by Board of Water Commissioners, City of Macon, Georgia; Georgia Kraft Co.; and Armstrong Cork Company	GPO - $1.25 NTIS - PB 208 215
11060EOC07/69	Joint Municipal and Semichemical Pulping Wastes; by City of Erie, Pennsylvania	GPO - $1.50 NTIS - PB 185 948
11060FAE11/69	Feasibility of Joint Treatment in a Lake Watershed; by Roy F. Weston, Inc., West Chester, Pennsylvania	NTIS - PB 201 698
11060FAE04/71	Onondaga Lake Study; by Onondaga County, Syracuse, New York	GPO - $4.50 NTIS - PB 206 472
	Industrial Pollution Control	
12000---07/71	Projects of the Industrial Pollution Control Branch; by Industrial Pollution Control Branch, Applied Science and Technology, EPA, Washington, D.C.	GPO - $2.50
12000FLX02/71	A System for Industrial Waste Treatment RD&D Project Priority Assignment; by Synectics Corp., Allison Park, PA	GPO - $1.00 NTIS - PB 206 146
1201 - Metal and Metal Products		
12010DIM08/70	Pyrite Depression by Reduction of Solution Oxidation Potential; by Univ. of Utah, Salt Lake City, Utah	GPO - 70¢ NTIS - PB 200 257
12010DPF11/71	Brass Wire Mill Process Changes and Waste Abatement, Recovery and Reuse; by Volco Brass and Copper Co., Kenilworth, NJ	GPO - 55¢
12010DRH11/71	Ultrathin Membranes for Treating Metal Finishing Effluents by Reverse Osmosis; by North Star Research & Development Inst. (through Minnesota Pollution Control Agency), Minneapolis, Minnesota	GPO - $1.00 NTIS - PB 208 211
12010DTQ02/72	Combined Steel Mill and Municipal Wastewaters Treatment; by Weirton Steel Div., National Steel Corp., Weirton, WV	GPO - $1.50 NTIS - PB 210 198

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12010DUL02/71	Limestone Treatment of Rinse Waters from Hydrochloric Acid Pickling of Steel; by Armco Steel Corp., Middleton, Ohio	GPO - $1.50 NTIS - PB 202 233
12010EIE11/68	A State of the Art Review of Metal Finishing Waste Treatment; by Battelle Memorial Institute, Columbus, Ohio	GPO - $1.00 NTIS - PB 203 207
12010EIE03/71	An Investigation of Techniques for Removal of Chromium from Electroplating Wastes; by Battelle Memorial Institute, Columbus, OH	GPO - $1.00
12010EIE11/71	An Investigation of Techniques for Removal of Cyanide from Electroplating Wastes; by Battelle Columbus Labs., Columbus, Ohio	GPO - $1.00 NTIS - PB 208 210
12010EQF03/71	An Electromembrane Process for Regenerating Acid from Spent Pickle Liquor; by Southern Research Institute, Birmingham, Alabama	GPO - $1.00 NTIS - PB 201 651
12010EZV02/70	Treatment of Waste Water-Waste Oil Mixtures; by Armco Steel Corp., Middletown, Ohio	GPO - $2.50 NTIS - PB 195 161

1202 - Chemicals and Allied Products

12020---02/70	Petrochemical Effluents Treatment Practices - Summary; by Engineering-Sciences, Inc./ Texas, Austin, Texas	NTIS - PB 192 310
12020DIS01/72	Anaerobic Treatment of Synthetic Organic Wastes; by J. C. Hovious, J. A. Fisher, and R. A. Conway, Union Carbide Corp., South Charleston, West Virginia	GPO - $1.75
12020DJI06/71	Wastewater Treatment Facilities for a Polyvinyl Chloride Production Plant; by B. F. Goodrich Chemical Co., Cleveland, OH	(At press)
12020DQC03/71	Polymeric Materials for Treatment and Recovery of Petrochemical Wastes; by Gulf South Research Institute, New Orleans, LA	GPO - 70¢ NTIS - PB 201 699
12020EEQ10/71	Treatment of Wastewater from the Production of Polyhydric Organics; by Dow Chemical Co., Texas Division, Freeport, TX	GPO - $1.75
12020EID03/71	Preliminary Investigational Requirements - Petrochemical and Refinery Waste Treatment; by Engineering-Science, Inc., Austin, Texas	GPO - $1.50
12020EJI07/71	Inorganic Chemicals Industry Profile; by Datagraphics, Inc., Pittsburgh, PA	GPO - $1.75 NTIS - PB 206 308
12020EXG03/72	The Effect of Chlorination on Selected Organic Chemicals; by The Manufacturing Chemists Association, Washington, D.C.	GPO - $1.00

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12020FPD09/71	Inorganic Fertilizer and Phosphate Mining Industries - Water Pollution and Control; by Battelle Memorial Institute, Richland, Washington	GPO - $1.75 NTIS - PB 206 154
12020FYE01/72	The Pesticide Manufacturing Industry - Current Waste Treatment and Disposal Practices; by P. R. Atkins, Univ. of Texas, Austin, TX	GPO - $1.00
12020GND07/71	Projected Wastewater Treatment Costs in the Organic Chemicals Industry; by Data-graphics, Inc., Pittsburgh, PA	GPO - $1.50 NTIS - PB 206 429
1204 - Paper And Allied Products		
12040DLQ08/71	Slime Growth Evaluation of Treated Pulp Mill Waste; by Dept. of Microbiology, Oregon State Univ., Corvallis, Oregon	GPO - 60¢
12040EBY08/70	Aerial Photographic Tracing of Pulp Mill Effluent in Marine Waters; by Oregon State Univ., Corvallis, Oregon	GPO - $1.25 NTIS - PB 198 232
12040EEK08/71	Treatment of Selected Internal Kraft Mill Wastes in a Cooling Tower; by Georgia Kraft Company, Rome, Georgia	GPO - $1.25 NTIS - PB 208 217
12040EEL02/72	Reverse Osmosis Concentration of Dilute Pulp and Paper Effluents; by A. J. Wiley, G. A. Dubey, and I. K. Bansal, The Pulp Manufacturers Research League and The Institute of Paper Chemistry, Appleton, WI	GPO - $2.75
12040EFC01/71	Pollution Abatement by Fiber Modification; by College of Forest Resources, Univ. of Washington, Seattle, WA	GPO - 65¢ NTIS - PB 206 219
12040ELW12/70	Aerated Lagoon Treatment of Sulfite Pulping Effluents; by Crown Zellerbach Corporation, Lebanon, Oregon	GPO - $1.25 NTIS - PB 208 212
12040EMY12/71	Multi-System Biological Treatment of Bleached Kraft Effluents; by The Mead Corporation, Chillicothe, Ohio	GPO - $2.00 NTIS - PB 208 213
12040ENC12/71	Color Removal from Kraft Pulping Effluent by Lime Addition; by Interstate Paper Corp., Riceboro, Georgia	GPO - $1.25
12040EUG10/69	Foam Separation of Kraft Pulping Wastes; by Georgia Kraft Co., Rome, Georgia	NTIS - PB 189 160
1204GEZZ04/70	Dilute Spent Kraft Liquor Filtration through Wood Chips; by School of Forest Resources, Univ. of North Carolina, Raleigh, North Carolina	NTIS - PB 191 873

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12040FES07/71	Sludge Material Recovery System for Manufacturers of Pigmented Papers; by S. D. Warren Co., Div. of Scott Paper Co., Westbrook, Maine	GPO - $1.00
12040FUB01/72	Recycle of Papermill Waste Waters and Application of Reverse Osmosis; by D. C. Morris, W. R. Nelson & G. O. Walraven, Green Bay Packaging, Inc., Green Bay, WI	GPO - $1.00
1205 - Petroleum and Coal Products		
12050DRC11/71	Experimental Evaluation of Fibrous Bed Coalescers for Separating Oil-Water Emulsions; by Dept. of Chemical Engineering, Illinois Institute of Technology, Chicago, Illinois	GPO - $1.75 NTIS - PB 210 144
12050DSH03/71	The Impact of Oily Materials on Activated Sludge Systems; by Hydroscience, Inc., Westwood, NJ	GPO - $1.25
12050EKT03/71	Fluid Bed Incineration of Petroleum Refinery Wastes; by American Oil Co., Mandan, ND	GPO - $1.50 NTIS - PB 202 570
1206 - Food and Kindred Products		
12060---03/68	Potato Waste Treatment (Proceedings of a Symposium); by Univ. of Idaho and FWPCA Pacific Northwest Water Lab., Corvallis, OR	NTIS - PB 208 218
12060---03/68	Aerated Lagoon Treatment of Food Processing Wastes; by Kenneth A. Dostal, Pacific Northwest Water Lab., WQO, EPA, Corvallis, OR	GPO - 55¢
12060---07/69	Secondary Treatment of Potato Processing Wastes; by Kenneth A. Dostal, Pacific Northwest Water Lab., WQO, EPA, Corvallis, Oregon	GPO - 65¢ NTIS - PB 202 234
12060---10/69	Current Practice in Potato Processing Waste Treatment; by Univ. of Washington, Seattle, Washington	GPO - $1.00 NTIS - PB 189 232
12060---04/70	Proceedings First National Symposium on Food Processing Wastes; by FWQA, USDA, National Canners Association and Northwest Food Processors Association	GPO - $3.00 NTIS - PB 199 709
12060---08/70	Waste Reduction in Food Canning Operations; by National Canners Asso., Berkeley, CA	GPO - $1.00 NTIS - PB 198 231
12060---10/70	Treatment of Citrus Processing Wastes; by The Coca-Cola Co., Foods Div., Orlando, FL	GPO - $2.75 NTIS - PB 202 238
12060---03/71	Proceedings Second Annual Symposium on Food Processing Wastes; by Pacific Northwest Water Lab., EPA, Corvallis, Oregon and National Canners Association	GPO - $4.50

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12060DSB09/71	Demonstration of a Full-Scale Waste Treatment System for a Cannery; by L. E. Streebin, G. W. Reid, and A. C. H. Hu; Univ. of Oklahoma, Norman, Oklahoma	GPO - $1.50
12060DSI07/71	State-of-Art, Sugarbeet Processing Waste Treatment; by Beet Sugar Development Foundation, Ft. Collins, Colorado	GPO - $1.25 NTIS - PB 207 646
12060DXF07/71	Membrane Processing of Cottage Cheese Whey for Pollution Abatement; by Crowley's Milk Company, Binghamton, New York	GPO - $1.25
12060DXL01/71	Reduction of Salt Content of Food Processing Liquid Waste Effluent; by National Canners Association, Berkeley, California	GPO - 55¢ NTIS - PB 203 963
12060EAE09/71	Trickling Filter Treatment of Fruit Processing Waste Waters; by National Canners Association, Berkeley, California	GPO - 50¢
12060ECF04/70	Current Practice in Seafoods Processing Waste Treatment; by Oregon State Univ., Corvallis, Oregon	NTIS - PB 202 232
12060EDK08/71	Liquid Wastes from Canning and Freezing Fruits and Vegetables; by National Canners Association, Berkeley, California	GPO - $1.50 NTIS - PB 209 941
12060EDZ08/71	Pilot Plant Installation for Fungal Treatment of Vegetable Canning Wastes; by The Green Giant Co., Le Suer, Minnesota	GPO - $1.00 NTIS - PB 208 206
12060EGU03/71	Dairy Food Plant Wastes and Waste Treatment Practices; by Dept. of Dairy Tech., Ohio State University, Columbus, Ohio	GPO - $4.00
12060EHT07/70	Use of Fungi Imperfecti in Waste Control; by North Star Research & Development Institute, Minneapolis, Minnesota	GPO - $1.00 NTIS - PB 202 231
12060EHU03/71	Reconditioning of Food Processing Brines; by National Canners Asso., Berkeley, Calif.	GPO - 75¢
12060EHV12/70	Aerobic Secondary Treatment of Potato Processing Wastes; by R. T. French Company, Shelley, Idaho	GPO - $1.50 NTIS - PB 200 623
12060EZP09/70	Cannery Waste Treatment Kehr Activated Sludge; by FMC Corp., Santa Clara, Calif.	GPO - 70¢ NTIS - PB 199 071
12060EZY08/71	Complete Mix Activated Sludge Treatment of Citrus Process Wastes; by Winter Garden Citrus Products Cooperative, Winter Garden, Florida	GPO - $1.25
12060FAD10/69	Aerobic Treatment of Fruit Processing Wastes; by Snokist Growers, Yakima, WA	NTIS - PB 188 506
12060FDS11/71	Elimination of Water Pollution by Packinghouse Animal Paunch and Blood; by Beefland International, Inc., Council Bluffs, Iowa	GPO - 50¢

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12060FQE12/70	Dry Caustic Peeling of Tree Fruit for Liquid Waste Reduction; by National Canners Association, Berkeley, California	GPO - 60¢ NTIS - PB 208 209
1208 - Stone, Clay & Glass Products		
12080EZF09/70	Phenolic Water Reuse by Diatomite Filtration; by Johns-Manville Products Corp., Manville, New Jersey	GPO - $1.25 NTIS - PB 199 069
1209 - Textile Mill Products		
12090DWM01/71	Bio-Regenerated Activated Carbon Treatment of Textile Dye Wastewater; by Fram Corp., Providence, Rhode Island	GPO - $1.00 NTIS - PB 203 599
12090ECS02/71	State of the Art of Textile Waste Treatment; by Clemson University, Clemson, SC	GPO - $2.50
12090EOE01/72	Water Pollution Reduction Through Recovery of Desizing Wastes; by Dept. of Textile Chemistry, North Carolina State Univ., Raleigh, North Carolina	GPO - 60¢
12090ESG01/71	Zinc Precipitation and Recovery from Viscose Rayon Wastewater; by American Enka Co., Enka, North Carolina	GPO - $1.00 NTIS - PB 205 205
12090EUX10/70	Reuse of Chemical Fiber Plant Wastewater and Cooling Water Blowdown; by Fiber Industries, Inc., Charlotte, NC and Davis & Floyd Engineers, Inc., Greenwood, South Carolina	GPO - 70¢ NTIS - PB 200 695
1212 - Miscellaneous Industrial Sources		
12120---09/69	Activated Sludge Treatment of Chrome Tannery Wastes; by A. C. Lawrence Company, Peabody, Massachusetts	GPO - $2.00 NTIS - PB 186 158
12120---09/70	Treatment of Sole Leather Vegetable Tannery Wastes; by Dr. J. David Eye, Univ. of Cincinnati, Cincinnati, Ohio	GPO - $1.25 NTIS - PB 199 068
12120DIK12/70	Anaerobic-Aerobic Lagoon Treatment for Vegetable Tanning Wastes; by Univ. of Virginia, Charlottesville, Virginia	GPO - $1.00 NTIS - PB 202 235
12120ERC08/69	Disposal of Wastes from Water Treatment Plants; by American Water Works Association Research Foundation, New York, NY	NTIS - PB 186 157
12120ESW06/71	Magnesium Carbonate, A Recycled Coagulant for Water Treatment; by Dept. of Public Utilities, City of Gainesville, Florida	GPO - $1.00

Report Number	Title/Author	Source
12120EUR11/71	Information Resource: Water Pollution Control in the Water Utility Industry: by American Water Works Association Research Foundation, New York, NY	GPO - $1.50
12120FYF03/72	Fluidized-Bed Incineration of Selected Carbonaceous Industrial Wastes: by Battelle Laboratories, Columbus, Ohio	GPO - $1.00

1213 - Joint (Ind./Mun.) Wastes

12130DUJ09/71	Whey Effluent Packed Tower Trickling Filtration: by Quirk, Lawler & Matusky Engineers, Tappan, New York for the Village of Walton, New York	GPO - $1.50
12130EDX07/70	Joint Treatment of Municipal Sewage and Pulp Mill Effluents: by The Green Bay Metro. Sewerage District, Green Bay, WI	GPO - $6.00
12130EGK06/71	Biological Treatment of [illegible]rophenolic Wastes: by the City of Jacksonville, AK	GPO - $1.50 NTIS - PB 206 813
12130EZR05/71	Combined Treatment of Domestic and Industrial Wastes by Activated Sludge: by City of Dallas, Oregon	GPO - $1.25 NTIS - PB 205 206
12130FJQ06/71	Pollution Abatement and By-Product Recovery in Shellfish and Fisheries Processing: by Food, Chemical and Research Laboratories, Inc., Seattle, Washington, and Engineering-Science of Alaska, Anchorage, Alaska	GPO - $1.00 NTIS - PB 208 214

Agricultural Pollution Control

1301 - Forestry and Logging

13010---02/70	Industrial Waste Guide on Logging Practices: by Northwest Region, FWPCA, Portland, OR	NTIS - PB 207 644
13010EGA02/71	Studies on Effects of Watershed Practices on Streams: by Oregon State Univ., Corvallis, Oregon	GPO - $1.50

1302 - Agricultural Run-off

13020---07/71	Agricultural Pollution of the Great Lakes Basin: by Governments of the United States and Canada	GPO - $1.50 NTIS - PB 206 906
13020DGX08/71	Role of Animal Wastes in Agricultural Land Runoff: by School of Agricultural and Life Sciences, North Carolina State Univ., Raleigh, North Carolina	GPO - $1.25 NTIS - PB 209 213

Report Number	Title/Author	Source
13020DPB08/71	Management of Nutrients on Agricultural Land for Improved Water Quality; by Dept. of Agronomy, College of Agriculture and Life Science, Cornell Univ., Ithaca, NY	GPO - $1.25 NTIS - PB 209 858
1303 - Irrigation Return Flows		
13030---05/69	Characteristics and Pollution Problems of Irrigation Return Flow; by Utah State Univ. Foundation, Logan, Utah	NTIS - PB 204 817
13030---11/71	Research Needs for Irrigation Return Flow Quality Control; by Gaylord V. Skogerboe, Colorado State Univ., Ft. Collins, CO and J. P. Law, Robert S. Kerr Water Research Center, EPA, Ada, Oklahoma	GPO - $1.00
13030DYY06/69	Water Quality Management Problems in Arid Regions; by Robert S. Kerr Water Research Center, FWQA, Ada, Oklahoma	NTIS - PB 198 125
13030ELY12/69	Collected Papers Regarding Nitrates in Agricultural Waste Waters; by FWQA, San Francisco, CA; U.S. Bureau of Reclamation; and California Dept. of Water Resources	GPO - $1.50 NTIS - PB 197 595
13030ELY04/71-7	Removal of Nitrate by an Algal System; by California Dept. of Water Resources, San Joaquin Valley, California	GPO - $1.25 NTIS - PB 205 425
13030ELY04/71-8	Denitrification by Anaerobic Filters and Ponds; by Robert S. Kerr Water Research Center, EPA, Ada, Oklahoma	GPO - 75¢
13030ELY05/71-12	Desalination of Agricultural Tile Drainage; by Robert S. Kerr Water Research Center, EPA, Ada, Oklahoma	(Under review)
13030ELY05/71-3	Nutrients from Tile Drainage Systems; by California Department of Water Resources	GPO - $1.00
13030ELY05/71-6	Removal of Nitrogen from Tile Drainage - A Summary Report; by California Department of Water Resources and EPA	GPO - 50¢
13030ELY06/71-10	Techniques to Reduce Nitrogen in Drainage Effluent During Transport; by U.S. Bureau of Reclamation, Region 2	GPO - 60¢
13030ELY06/71-14	Denitrification by Anaerobic Filters and Ponds - Phase II; by Robert S. Kerr Water Research Center, EPA, Ada, Oklahoma	(Under review)
13030ELY08/71-9	The Effects of Agricultural Waste Water Treatment on Algal Bioassay Response; by EPA, San Francisco, CA	(Under review)
13030GJS12/71	National Irrigation Return Flow Research and Development Program; by J. P. Law, Jr., Robert S. Kerr Water Research Center, EPA, Ada, Oklahoma	GPO - 40¢ NTIS - PB 209 857

Report Number	Title/Author	Source
1304 - Animal Feed Lots		
13040---07/68	Pollution Implications of Animal Wastes - A Forward Oriented Review; by Dr. Raymond C. Loehr, Cornell Univ., Ithaca, New York	NTIS - PB 204 818
13040DEM01/71	Characteristics of Wastes from Southwestern Cattle Feedlots; by Texas Tech. Univ., Lubbock, Texas	GPO - $1.00 NTIS - PB 209 214
13040DKP06/71	Closed System Waste Management for Livestock; by Dr. P. O. Ngoddy, J. P. Harper, R. K. Collins, G. D. Wells, and F. A. Heidar, Michigan State Univ., East Lansing, Michigan	GPO - $1.25
13040EYX11/69	Agricultural Practices and Water Quality; by Iowa State Univ., Ames, Iowa	NTIS - PB 199 828
13040FXG11/71	Evaluation of Beef Cattle Feedlot Waste Management Alternatives; by A. F. Butchbaker, J. E. Garton, G. W. A. Mahoney, and M. D. Paine, Oklahoma State University, Stillwater, Oklahoma	GPO - $2.50
	Mining Pollution Control	
1401 - Mine Drainage		
14010---06/70	Oxygenation of Ferrous Iron; by Harvard University, Cambridge, Massachusetts	GPO - $1.75 NTIS - PB 189 233
14010DAY06/71	Inorganic Sulfur Oxidation by Iron-Oxidizing Bacteria; by Syracuse Univ., Syracuse, New York	GPO - $1.25
14010DDH08/71	Control of Mine Drainage from Coal Mine Mineral Wastes - Phase I - Hydrology and Related Experiments; by Truax-Traer Coal Company, Pinckneyville, Illinois	GPO - $1.25 NTIS - PB 206 194
14010DEE12/70	Treatment of Acid Mine Drainage; by Horizons, Inc., Cleveland, Ohio	GPO - $1.00 NTIS - PB 197 470
14010DII05/71	Rotary Precoat Filtration of Sludge from Acid Mine Drainage Neutralization; by Johns-Manville Products Corp., Manville, New Jersey	GPO - $1.25 NTIS - PB 203 190
14010DKN11/70	Microbial Factor in Acid Mine Drainage Formation; by Mellon Institute, Carnegie-Mellon Univ., Pittsburgh, Pennsylvania	GPO - 70¢ NTIS - PB 196 113
14010DLC11/69	Sulfide Treatment of Acid Mine Drainage; by Bituminous Coal Research, Inc., Monroeville, Pennsylvania	NTIS - PB 187 866
14010DLI02/71	Silicate Treatment for Acid Mine Drainage Prevention; by Tyco Laboratories, Inc., Waltham, Massachusetts	GPO - $1.00 NTIS - PB 198 427

Report Number	Title/Author	Source
14010DMO03/70-A	Investigative Mine Survey of a Small Watershed; by Halliburton Co., Duncan, Oklahoma	GPO - $2.00 NTIS - PB 196 110
14010DMO03/70	New Mine Sealing Techniques for Water Pollution Abatement; by Halliburton Co., Duncan, Oklahoma	GPO - $1.50 NTIS - PB 196 736
14010DRB05/71	Flocculation and Clarification of Mineral Suspensions; by University of Minnesota, Minneapolis, Minnesota	GPO - $1.25 NTIS - PB 206 238
14010DRZ02/71	Purification of Mine Water by Freezing; by Applied Science Laboratories, Inc., State College, Pennsylvania	GPO - 70¢
14010DYG08/71	Acid Mine Waste Treatment Using Reverse Osmosis; by Gulf Environmental Systems Company, San Diego, California	GPO - $1.00 NTIS - PB 202 228
14010DYH12/71	Neutradesulfating Treatment Process for Acid Mine Drainage; by Catalytic, Inc., Philadelphia, Pennsylvania	GPO - $1.00
14010DYI02/71	Evaluation of a New Acid Mine Drainage Treatment Process; by Black, Sivalls and Bryson, Inc., Pittsburgh, Pennsylvania	GPO - $1.50 NTIS - PB 202 571
14010DYK03/70	Treatment of Acid Mine Drainage by Reverse Osmosis; by Rex Chainbelt, Inc., for the Commonwealth of Pennsylvania	GPO - 55¢ NTIS - PB 195 200
14010DZM08/70	Feasibility Study of Mining Coal in an Oxygen Free Atmosphere; by Island Creek Coal Co., Holden, WV and Cyrus Wm. Rice Div., NUS Corp., Pittsburgh, Pennsylvania	GPO - $1.50 NTIS - PB 197 446
14010ECC08/71	The Effects of Various Gas Atmospheres on the Oxidation of Coal Mine Pyrites; by Cyrus Wm. Rice Div., NUS Corporation, Pittsburgh, Pennsylvania	GPO - $1.25 NTIS - PB 203 679
14010EFK06/72	Use of Latex as a Soil Sealant to Control Acid Mine Drainage; by Uniroyal, Inc., Wayne, NJ	(At press)
14010EGJ11/69	Effects of Antibacterial Agents on Mine Drainage; by MSA Research Corp. and Pennsylvania Dept. of Mines and Mineral Industries	NTIS - PB 191 215
14010EHN04/71	Detection of Abandoned Underground Coal Mines by Geophysical Methods; by HRB-Singer, Inc., State College, Pennsylvania	GPO - $1.00
14010EIZ01/70	Limestone Treatment of Acid Mine Drainage; by Bituminous Coal Research, Inc., Monroeville, Pennsylvania	GPO - $1.25 NTIS - PB 195 282
14010EIZ12/71	Studies of Limestone Treatment of Acid Mine Drainage - Part II; by Bituminous Coal Research, Inc., Monroeville, Pennsylvania	GPO - $1.25 NTIS - PB 208 326

Report Number	Title/Author	Source
14010EJE12/71	Mine Spoil Potentials for Water Quality and Controlled Erosion; by College of Agriculture and Forestry, West Virginia University, Morgantown, West Virginia	GPO - $1.75 NTIS - PB 208 817
14010EJT09/71	Studies on Densification of Coal Mine Drainage Sludge; by Bituminous Coal Research, Inc., Monroeville, Pennsylvania	GPO - $1.25 NTIS - PB 203 189
14010EMS09/69	Bulk Transport of Waste Slurries to Inland and Ocean Disposal Sites - Vol. I;	NTIS - PB 189 757
	" " " " - Vol. II;	NTIS - PB 189 758
	" " " " - Vol. III;	NTIS - PB 189 759
14010EMS12/69	" " " " - Summary; by Bechtel Corp., San Francisco, CA	NTIS - PB 189 756
14010ENW09/71	Microbiological Treatment of Acid Mine Drainage Waters; by Continental Oil Co., Ponca City, Oklahoma	GPO - $1.00 NTIS - PB 206 231
14010ETV08/70	Neutralization of High Ferric Iron Acid Mine Drainage; by Roger C. Wilmoth and Ronald D. Hill, FWQA, Cincinnati, Ohio	GPO - 50¢ NTIS - PB 192 087
14010EXA03/71	Pilot Scale Study of Acid Mine Drainage; by Ohio State University, Columbus, Ohio	GPO - $1.00
14010FBZ09/71	Concentrated Mine Drainage Disposal Into Sewage Treatment Systems; by Environmental Research & Applications, Inc., Wilton, CT	GPO - 75¢
14010FII03/71	Evaluation of Pyritic Oxidation by Nuclear Methods; by Mellon Insti., Carnegie-Mellon University, Pittsburgh, Pennsylvania	GPO - 50¢ NTIS - PB 198 523
14010FJX12/71	Dewatering of Mine Drainage Sludge; by Coal Research Bureau, West Virginia University, Morgantown, West Virginia	GPO - $1.00 NTIS - PB 208 347
14010FKK12/70	Underground Coal Mining Methods to Abate Water Pollution; by West Virginia Univ., Morgantown, West Virginia	GPO - 60¢
14010FLW07/70	Feasibility Study Manual - Mine Water Pollution Control Demonstrations; by FWQA, Washington, D.C.	GPO - 65¢ NTIS - PB 197 594
14010FMH12/70	Treatment of Acid Mine Drainage by Ozone Oxidation; by Brookhaven National Laboratories, Associated Universities, Inc., Atomic Energy Commission, Upton, New York	GPO - $1.00 NTIS - PB 198 225
14010FNQ02/72	Electrochemical Treatment of Acid Mine Waters; by Tyco Laboratories, Inc., Waltham, Massachusetts	GPO - $1.00 NTIS - PB 208 820
14010FOA02/71	Carbonate Bonding of Coal Refuse; by Black, Sivalls and Bryson, Inc., Pittsburgh, PA	GPO - 60¢ NTIS - PB 198 230
14010FPR04/71	Acid Mine Drainage Formation and Abatement; by Ohio State University Research Foundation, Columbus, Ohio	NTIS - PB 199 835

Report Number	Title/Author	Source
14010FPS02/70	Sulfide to Sulfate Reaction Mechanism; by Ohio State University Research Foundation, Columbus, Ohio	GPO - $1.50
14010FQR03/72	Reverse Osmosis Demineralization of Acid Mine Drainage; by The Ecology Division, Rex Chainbelt, Inc., Milwaukee, Wisconsin	GPO - $1.00
14010FUI10/71	Foam Separation of Acid Mine Drainage; by Horizons, Inc., Cleveland, Ohio	GPO - 65¢ NTIS - PB 208 411
14010FYY09/71	Study of Sulfur Recovery fro. Coal Refuse; by Black, Sivalls and Bryson, Inc., Pittsburgh, Pennsylvania	GPO - 70¢ NTIS - PB 203 488
14010FZU03/72	Legal Problems of Coal Mine Reclamation; by University of Maryland School of Law, Baltimore, Maryland	GPO - $2.00 NTIS - PB 209 862
14010HBQ09/71	Feasibility Study Upper Meander Creek Mine Drainage Abatement Project; by Stanley Consultants, Cleveland, Ohio	GPO - 60¢ NTIS - PB 206 232
1403 - Oil Shale		
14030EDB12/71	Water Pollution Potential of Spent Oil Shale Residues; by Colorado State Univ., Fort Collins, Colorado	GPO - $1.25 NTIS - PB 206 808
1405 - Phosphate Mining		
14050EPU08/71	Utilization of Phosphate Slime; by I..ternational Minerals & Chemical Corporation, Skokie, Illinois	GPO - $1.25 NTIS - PB 203 191
	Other Sources of Pollution Control	
1501 - Recreation		
15010---01/69	Basic Waste Characteristics at Winter Recreation Areas; by B. D. Clark, Pacific Northwest Laboratory, FWPCA, Corvallis, OR	NTIS - PB 208 437
15010---03/70	Working Paper No. 68 - Evaluation of Extended Aeration Treatment at Recreation Areas; by B. D. Clark, Pacific Northwest Laboratory, FWPCA, Corvallis, Oregon	NTIS - PB 208 436
1502 - Watercraft Wastes		
15020---06/67	Houseboat Wastes: Methods for Collection and Treatment; by B. D. Clark, Pacific Northwest Water Laboratory, FWPCA, Corvallis, Oregon	NTIS - PB 208 439

Report Number	Title/Author	Source
15020---04/68	Houseboat Waste Characteristics and Treatment; by B. D. Clark, Pacific Northwest Water Laboratory, FWPCA, Corvallis, Oregon	NTIS - PB 208 438
15020DGR08/70	Flexible Holding Tank for Pleasurecraft Sanitary System; by Uniroyal, Inc., Wayne, New Jersey	GPO - 55¢ NTIS - PB 201 700
15020DHB04/70	Storage of Wastes from Watercraft and Disposal at Shore Facilities; by General Dynamics Electric Boat Div., Groton, CT	GPO - $1.00
15020DHE09/69	Collection, Underwater Storage, and Disposal of Pleasurecraft Wastes; by Underwater Storage, Inc., and Silver Schwartz, Ltd., Washington, D.C.	NTIS - PB 188 505
15020DHG09/71	Watercraft Waste Treatment System Development and Demonstration Report; by General Electric Company, Philadelphia, PA	GPO - $1.25 NTIS - PB 208 345
15020ENN09/71	Control of Pollution from Outboard Engine Exhaust: A Reconnaissance Study; by Rensselaer Polytechnic Institute, Troy, NY	GPO - 50¢ NTIS - PB 206 192
1503 - Construction		
15030DTL05/70	Urban Soil Erosion and Sediment Control; by National Association of Counties Research Foundation, Washington, D.C.	GPO - $1.00 NTIS - PB 196 111
1504 - Impoundments		
15040EJZ12/70	Selective Withdrawal from a Stratified Reservoir; by University of California, Berkeley, California	GPO - $1.60 NTIS - PB 201 726
1508 - Oil Spills		
15080---03/69	Chemical Treatment of Oil Slicks; by Edison Water Quality Lab., FWQA, Edison New Jersey	NTIS - PB 185 947
15080---10/70	Oil Containment Systems; by Edison Water Quality Lab., FWQA, Edison, New Jersey	NTIS - PB 206 797
15080DBO03/71	Conversion of Crankcase Waste Oil into Useful Products; by National Oil Recovery Corporation, Bayonne, New Jersey	GPO - $1.00 NTIS - PB 205 207
15080DJM07/70	Recovery of Oil Spills Using Vortex Assisted Airlift System; by Battelle Memorial Institute, Richland, Washington	GPO - 50¢ NTIS - PB 203 489
15080DJN01/71	Gelling Crude Oils to Reduce Marine Pollution From Tanker Oil Spills; by Western Co. of North America, Richardson, Texas	GPO - $1.25 NTIS - PB 202 239

Report Number	Title/Author	Source
15080DJO10/69	Oil Tagging System Study - Summary; by Melpar, Inc., Arlington, Virginia	NTIS - PB 190 193
15080DJO05/70	Oil Tagging System Study - Final Report; by Melpar, Inc., Arlington, Virginia	GPO - $1.50 NTIS - PB 195 283
15080DJP10/70	Oil/Water Separation System with Sea Skimmer; by The Garrett Corp., AiResearch Manufacturing Div., Los Angeles, Calif.	GPO - $1.50
15080DJQ04/70	Ultrasonic Emulsification of Oil Tanker Cargo; by Sonics International, Inc., Dallas, Texas	NTIS - PB 193 674
15080DOZ12/70	Testing and Evaluation of Oil Spill Recovery Equipment; by Maine Port Authority, Portland, Maine	GPO - $1.50 NTIS - PB 200 081
15080DXE11/70	Feasibility Analysis of Incinerator Systems for Restoration of Oil Contaminated Beaches; by Envirogenics Co., Div. of Aerojet-General Corp., El Monte, California	GPO - 75¢ NTIS - PB 198 227
15080DZR11/70	Santa Barbara Oil Pollution, 1969; by University of California, Santa Barbara, California	GPO - 55¢ NTIS - PB 197 670
15080EAG07/69	Review of Santa Barbara Channel Oil Pollution Incident; by Pacific NW Laboratories, Battelle Memorial Institute, Richland, WA	NTIS - PB 191 712
15080EAL02/71	Santa Barbara Oil Spill: Short-term Analysis of Macroplankton and Fish; by University of California, Santa Barbara, California	GPO - 70¢
15080EBZ12/70	Effects of Oil Pollution on Waterfowl: A Study of Salvage Methods; by Zoological Society of San Diego, California	GPO - 50¢ NTIS - PB 198 091
15080EHO05/69	Oil Dispersing Chemicals; by M. Poliakoff, for the Edison Water Quality Laboratory, FWQA, Edison, New Jersey	NTIS - PB 188 207
15080EIL12/69	Proceedings: Joint Conference on Prevention and Control of Oil Spills; sponsored by the American Petroleum Institute and the Federal Water Quality Administration	NTIS - PB 194 395
15080EOS03/70	Preliminary Operations Planning Manual for the Restoration of Oil-Contaminated Beaches; by URS Research Company, San Mateo, Calif.	NTIS - PB 191 711
15080EOS10/70-1	Evaluation of Selected Earthmoving Equipment for the Restoration of Oil-Contaminated Beaches; by URS Research Co., San Mateo, CA	GPO - $1.50 NTIS - PB 206 693
15080EPL04/70	Spreading and Movement of Oil Spills; by H. G. Schwartzberg, New York University, New York, NY	NTIS - PB 192 852
15080EUU10/70	Vortex Separation Process for Oil Spill Recovery Systems; by American Process Equipment Corp., Panama City, Florida	GPO - 60¢ NTIS - PB 201 656

Report Number	Title/Author	Source
15080FHS08/69	Cleaning Oil-Contaminated Beaches; by Northeast Region Research & Development Program, FWQA, Edison, New Jersey	NTIS - PB 189 172
15080FHT12/69	Oil Sampling Techniques; by Edison Water Quality Lab., FWQA, Edison, New Jersey	NTIS - PB 190 171
15080FHU10/69	Biological Effects of Oil Pollution - Bibliography; by Edison Water Quality Laboratory, FWQA, Edison, New Jersey	NTIS - PB 188 206
15080FTU05/71	Oil Pollution Incident, Platform Charlie, Main Pass Block 41 Field, Louisiana; by Alpine Geophysical Associates, Inc. Norwood, NJ	GPO - $1.25 NTIS - PB 203 497
15080FWN07/71	Recovery of Floating Oil Rotating Disk Type Skimmer; by Atlantic Research Systems Div., The Susquehanna Corp., Costa Mesa, Calif.	GPO - $1.25 NTIS - PB 205 208
15080FWO02/71	Floating Oil Recovery Devices; by New Mexico State University, Las Cruces, NM	GPO - $1.00
15080FWP04/71	Concept Development of a Hydraulic Skimmer System for Recovery of Floating Oil; by Battelle Memorial Institute, Richland, Washington	GPO - $1.25 NTIS - PB 203 498
15080HOL01/72	A Feasibility Demonstration of an Aerial Surveillance Spill Prevention System; by R. I. Welch, A. D. Marmelstein, and P. M. Maughan, Earth Satellite Corp., Washington, D.C.	(At press)

1509 - Hazardous Material Spills

15090FOZ10/70	Control of Spillage of Hazardous Polluting Substances; by Battelle Memorial Institute, Pacific NW Laboratories, Richland, WA	GPO - $3.00 NTIS - PB 197 596

Water Quality Control

1601 - Eutrophication

16010---10/67	Environmental Requirements of Blue-Green Algae (Proceedings of Symposium); by Univ. of Washington, Seattle, WA and Pacific Northwest Water Lab., FWPCA, Corvallis, OR	NTIS - PB 206 538
16010---10/69	Working Paper No. 66: Field Studies on Sediment - Water Algal Nutrient Interchange Processes and Water Quality of Upper Klamath and Agency Lakes; by A. R. Gahler, Pacific NW Water Lab., FWPCA, Corvallis, OR	NTIS - PB 207 643

Report Number	Title/Author	Source
16010---10/69	Plankton Community and Hydraulic Characterization Preliminary to Lake Flushing; by University of Washington, Seattle, WA	NTIS - PB 192 760
16010---03/71	Demonstrating the Effects of Nutrients in Bio-oxidation Pond Receiving Streams; by University of Oklahoma, Norman, Oklahoma	NTIS - PB 199 269
16010DDS03/70	Dynamics of the Nitrogen Cycle in Lakes; by University of Alaska, College, Alaska	NTIS - PB 203 791
16010DMG12/71	Flushing of Small Shallow Lakes; by C. C. Lomax, and J. F. Orsborn, Washington State University, Pullman, Washington	GPO - 50¢
16010DNY07/71	Eutrophication of Surface Waters - Lake Tahoe Indian Creek Reservoir; by Lake Tahoe Area Council, South Lake Tahoe, CA	GPO - $1.25
16010DON02/72	Eutrophication Factors in North Central Florida Lakes; by H. D. Putnam, P. L. Brezonik and E. E. Shannon, Environmental Engineering Dept., Univ. of Florida, Gainesville, Florida	GPO - $1.25 NTIS - PB 209 863
16010DOU06/70	Pharmacological Testing of Blue-Green Algae for Constituents Having Therapeutic Value; by World Life Research Institute, Colton, California	GPO - 30¢ NTIS - PB 206 476
16010DQB10/71	Provisional Algal Assay Procedures; by D. F. Toerien, et al., Univ. of California, Berkeley, California	NTIS - PB 206 140
16010DSW05/71	Eutrophication of Surface Waters - Lake Tahoe; by Lake Tahoe Area Council, South Lake Tahoe, California	GPO - $1.25
16010DXV11/71	The Carbon Dioxide System and Eutrophication; by S. D. Morton, P. H. Derse, and R. C. Sernau, Warf Institute, Inc., Madison, Wisconsin	GPO - 75¢
16010EHC12/71	Eutrophication in Coastal Waters: Nitrogen as a Controlling Factor; by Scripps Institute of Oceanography, University of California, San Diego, La Jolla, California	GPO - 70¢
16010EHR03/71	The Chemical Investigation of Recent Lake Sediments from Wisconsin Lakes and Their Interpretation; by G. C. Bortleson, Univ. of Wisconsin, Madison, Wisconsin	GPO - $2.25 NTIS - PB 208 965
16010EHR08/71	Nutrient Sources for Algae and Their Control; by Dr. G. P. Fitzgerald, Univ. of Wisconsin Water Resources Center, Madison, Wisconsin	GPO - $1.00
16010EHR12/71	Problem Lakes in the United States; by Martha J. Ketelle and Paul D. Uttormark, Water Resources Center, University of Wisconsin, Madison, Wisconsin	GPO - $2.00 NTIS - PB 209 864

Report Number	Title/Author	Source
16010EHR03/72	Role of Bacteria in the Nitrogen Cycle in Lakes; by E. F. McCoy, University of Wisconsin, Madison, Wisconsin	GPO - 35¢
16010EQA10/71	Dissolved and Particulate Organic Carbon in Some Colorado Waters; by E. B. Reed, Dept. of Zoology, Colorado State University, Fort Collins, Colorado	GPO - $1.00
16010EXE12/71	The Effects of Artificial Aeration on Lake Ecology; by A. W. Fast, Michigan State University, East Lansing, Michigan	GPO - $4.25

1602 - Physical - Chemical Identification of Pollutants

16020---10/67	Iron-59 as a Solids Tracer in Aqueous Suspensions; by M. R. Scalf, J. L. Witherow, and C. P. Priesing, Robert S. Kerr Water Research Center, FWPCA, Ada, Oklahoma	NTIS - PB 205 827
16020---07/71	Methods for Chemical Analysis of Water and Wastes, 1971; by Analytical Quality Control Lab., EPA, Cincinnati, Ohio	GPO - $3.00
16020DHV07/70	Aquatic Plant Chemistry. Its Application to Water Pollution Control; by R.T. LaLonde, State Univ. College of Forestry at Syracuse Univeristy, Syracuse, New York	NTIS - PB 192 810
16020DKW09/70	Chemical Characteristics of Organic Color in Water; by University of Washington, Seattle, Washington	NTIS - PB 199 707
16020EWC04/71	Catalog of Pesticide NMR Spectra; by Southeast Water Lab., EPA, Athens, Georgia	GPO - $1.50 NTIS - PB 206 144
16020FEN03/71	Characterization and Separation of Secondary Effluent Components by Molecular Weight; by Arthur D. Little, Inc., Cambridge, Mass.	GPO - 55¢ NTIS - PB 206 193
16020FQT12/70	Fluid Product Pipeline Leak Detection from Airborne Platforms; by Resources Technology Corporation, Houston, Texas	GPO - $1.00
16020FSO06/71	Design and Operation of an Information Center on Analytical Methodology; by Battelle Memorial Institute, Columbus, OH	GPO - $1.25 NTIS - PB 204 820
16020GAG02/71	Sampling of Glacial Snow for Pesticide Analysis; by T. R. Stengle, University of Mass., Amherst, Mass., J. J. Lichtenberg, Analytical Quality Control Lab., EPA, Cincinnati, Ohio and C. S. Houston, Univ. of Vermont, Burlington, VT	GPO - 35¢
16020GDQ10/71	A Microbiological Survey in Lake Erie Near Cleveland, Ohio; by R. P. Collins, Univ. of Connecticut, Storrs, Connecticut	GPO - 50¢

Report Number	Title/Author	Source
16020GFR07/71	Interaction of Nitrilotriacetic Acid With Suspended and Bottom Material; by National Bureau of Standards, Washington, D.C.	GPO - 45¢
16020GLY05/71	Monitoring Mercury Vapor Near Pollution Sites; by Environmental Measurements, Inc., San Francisco, California	GPO - 70¢
1603 - Biological Identification of Pollutants		
16030DNL01/72	Aquatic and Wetland Plants of Southwestern United States; by Dr. Donovan Corrall, Washington, D.C. (formerly with Texas Research Foundation)	(At press)
16030DQH11/70	Mayfly Distribution as a Water Quality Index; by Winona State College, Winona, MN	GPO - 50¢ NTIS - PB 198 223
1604 - Sources of Pollutants		
16040DGH08/71	Characterization of Taste and Odors in Water Supplies; by Ralph P. Collins, Univ. of Connecticut, Storrs, Connecticut	GPO - 35¢
16040ELO06/70	Investigation of Means for Controlled Self-Destruction of Pesticides; by Aerojet-General Corp., El Monte, Calif.	GPO - $1.25 NTIS - PB 198 224
1605 - Fate of Pollutants in Fresh Surface Waters		
16050---04/67	The Components of Oxygenation of Flowing Streams; by F. S. Stay, Jr., W. R. Duffer, B. L. DePrater, and J. W. Keeley, Robert S. Kerr Water Research Center, FWPCA, Ada, Oklahoma	NTIS - PB 205 826
16050DJK08/70	Dynamic Model Study of Lake Erie: Part I: Similitude Criteria and Experimental Set-up; Part II: Analytical and Experimental Results; by Ralph R. Rumer, Jr., State University of New York at Buffalo	NTIS - PB 195 544 NTIS - PB 195 545
16050DOW10/71	Multidirectional Turbulence Probe Development - Phase I: Unidirectional Turbulence Sensor Development; by Battelle Columbus Laboratories, Columbus, Ohio	GPO - 65¢
16050DXN07/70	Development of Immobilized Enzyme Systems for Enhancement of Biological Waste Treatment Processes; by Grumman Aerospace Corp., Bethpage, New York	GPO - 70¢ NTIS - PB 203 598
16050EMF06/71	A Quick Biochemical Oxygen Demand Test; by University of California, Davis, Calif.	GPO - 60¢

Report Number	Title/Author	Source
16050EQS12/71	Enteric Bacterial Degradation of Stream Detritus; by Dr. C. W. Hendricks, Univ. of Georgia, Athens, Georgia	GPO - $1.00
16050ERS08/71	Deposition of Fine Sediments in Turbulent Flows; by E. Partheniades and A. J. Mehta, Dept. of Coastal and Oceanographic Engr., Univ. of Florida, Gainesville, FL	(At press)
16050EYT06/71	Pesticide Inputs and Levels Minnesota Waters - Lake Superior Basin; by Minnesota Pollution Control Agency, Minneapolis, MN	GPO - $1.00
16050FGS07/70	The Interrelation of Carbon and Phosphorus in Regulating Heterotrophic and Autotrophic Populations in Aquatic Ecosystems; by P. Kerr, et al., Southeast Water Lab., FWQA, Athens, Georgia	GPO - 60¢ NTIS - PB 195 195
16050FOR01/72	Symposium on Direct Tracer Measurement of the Reaeration Capacity of Streams and Estuaries; sponsored by Georgia Institute of Technology, Atlanta, Georgia and EPA	GPO - $1.00

1606 - Fate of Pollutants in Gound Water

16060---03/67	Moisture Movement in a Horizontal Soil Column Under the Influence of an Applied Pressure; by Wm. W-G Yeh, Stanford Univ., Stanford, California	NTIS - PB 205 443
16060---06/70	Determination of Pollutional Potential of the Ogallala Aquifer by Salt Water Injection; by Robert S. Kerr Water Research Center, FWQA, Ada, Oklahoma	NTIS - PB 202 227
16060DCO10/70	Potential Pollution of the Ogallala by Recharging Playa Lake Water - Pesticides; by D. Wells, E. Huddleston, and R. Rekers, Texas Tech University, Lubbock, Texas	GPO - 40¢ NTIS - PB 208 813
16060DDZ07/71	Study of Reutilization of Wastewater Recycled Through Groundwater, Vol. I; by D. F. Boen, J. H. Bunts, Jr., and R. J. Currie, Eastern Municipal Water District, Hemet, California	GPO - $1.50 NTIS - PB 209 859
16060DDZ07/71	Study of Reutilization of Wastewater Recycled Through Groundwater, Vol. II; by D. F. Boen, J. H. Bunts, Jr., and R. J. Currie, Eastern Municipal Water District, Hemet, California	GPO - $1.25
16060DLL09/70	Dispersion in Heterogeneous Nonuniform Anisotropic Porous Media; by Purdue Univ., Lafayette, Indiana	GPO - $1.00 NTIS - PB 200 258
16060DMP03/71	Interaction of Herbicides and Soil Micro-organisms; by Boyce Thompson Institute for Plant Research, Inc., Yonkers, New York	GPO - 75¢

Report Number	Title/Author	Source
16060DOE04/72	Nitrate in the Unsaturated Zone Under Agricultural Lands; by P. F. Pratt, Univ. of California, Riverside, California	GPO - 55¢
16060DRV03/72	Renovating Secondary Sewage by Ground Water Recharge With Infiltration Basins; by H. Bouwer, R. C. Rice, and E. D. Escarcega, U. S. Water Conservation Lab., Dept. of Agriculture, Phoenix, AZ, and M. S. Riggs, Salt River Project, Phoenix, Arizona	GPO - $1.00
16060EGS01/71	Infiltration Rates and Groundwater Quality Beneath Cattle Feedlots, Texas High Plains; by Texas Tech. Univ., Lubbock, Texas	GPO - 65¢ NTIS - PB 203 681
16060ELJ03/72	Density Induced Mixing in Confined Aquifers; by L. W. Gelhar, J. L. Wilson, J. S. Miller, and J. M. Hamrick, Ralph M. Parsons Lab. for Water Resources and Hydrodynamics, Massachusetts Institute of Technology, Cambridge, MA	GPO - $1.25
16060ERU12/71	Ground Water Pollution in Arizona, California, Nevada, and Utah; by D. K. Fuhriman and J. R. Barton; Fuhriman, Barton and Associates, Provo, UT	GPO - $2.00
16060GHR11/71	Investigations Concerning Probable Impact of Nitrilotriacetic Acid on Ground Water; by W. J. Dunlap, R. L. Cosby, J. F. McNabb, B. E. Bledsoe, and M. R. Scalf, Robert S. Kerr Water Research Center, EPA, Ada, OK	GPO - 60¢ NTIS - PB 208 433
16060GRB08/71	The National Ground Water Quality Symposium; by The National Water Well Association, Columbus, Ohio, and EPA	GPO - $1.75
16060HIJ02/72	Evaluation of Salt Water Disposal Into Potential Ground-Water Resources; by F. A. Norris, Oklahoma Corp. Commission, Oklahoma City, OK	GPO - 35¢

1607 - Fate of Pollutants in Marine Waters

16070---10/66	Environmental Factors in Coastal and Estuarine Waters, Bibliographic Series, Vol. I, Coast of Oregon; by G. R. Ditsworth, Pacific Northwest Water Lab., FWPCA, Corvallis, OR	NTIS - PB 202 878
16070---09/67	Index to Research - Coastal and Estuarine Waters in the United States; by G. R. Ditsworth, Pacific Northwest Water Lab., FWPCA, Corvallis, OR	NTIS - PB 206 543
16070---08/68	Environmental Factors in Coastal and Estuarine Waters, Bibliographic Series, Vol. II, Coast of Washington; by G. R. Ditsworth, Pacific Northwest Water Lab., FWPCA, Corvallis, OR	NTIS - PB 202 879

Report Number	Title/Author	Source
16070---12/69	Working Paper No. 64; Disposal of Solid Aluminum Process Wastes in the Ocean; by D. J. Baumgartner, et al., Pacific Northwest Water Lab., FWPCA, Corvallis, OR	NTIS - PB 210 110
16070---03/70	Working Paper No. 70; Salinity Runoff and Wind Measurements, Yaquina Estuary, Oregon; by R. J. Callaway, et al., Pacific Northwest Water Lab., FWPCA, Corvallis, OR	NTIS - PB 210 112 ($4.
16070---04/70	Working Paper No. 71; Design and Construction of a Saltwater Environment Simulator; by W. A. DeBen, Pacific Northwest Water Lab., FWQA, Corvallis, OR	NTIS - PB 210 111 ($4.
16070---07/70	Working Paper No. 78; Trace Materials in Wastes Disposal to Coastal Waters; Fates, Mechanisms, and Ecological Guidance and Control; by Milton H. Feldman, Pacific Northwest Water Lab., FWQA, Corvallis, OR	NTIS - PB 202 346
16070---09/70	Working Paper No. 76; Summary of the Oceanography and Surface Wind Structure of the Pacific Subarctic Region in Relation to Waste Releases at Sea; by R. J. Callaway, Pacific Northwest Water Lab., FWQA, Corvallis, OR	NTIS - PB 204 739
16070---10/70	Working Paper No. 77; The 50-Mile Ballast-Oil Dumping Prohibited Zone Off Alaska, Reconsidered in the Light of Available Data Gleaned from Significant Incidents; by M. H. Feldman, Pacific Northwest Water Lab., FWQA, Corvallis, OR	NTIS - PB 204 740
16070DBH11/69	Mathematical Model of the Columbia River from the Pacific Ocean to Bonneville Dam, Part I; by R. J. Callaway, et al., Pacific Northwest Water Lab., EPA, Corvallis, OR	NTIS - PB 202 422
16070DBH04/70	Ocean Outfall Design; Part I - Literature Review and Theoretical Development; by D. J. Baumgartner, D. S. Trent, Pacific Northwest Water Lab., FWQA, Corvallis, OR	NTIS - PB 203 749
16070DBH04/71	Mathematical Model of the Columbia River from the Pacific Ocean to Bonneville Dam, Part II; by R. J. Callaway, et al., Pacific Northwest Water Lab., EPA, Corvallis, OR	NTIS - PB 202 423
16070DCD09/70	The Oxygen Uptake Demand of Resuspended Bottom Sediments; by Seattle University, Seattle, WA	GPO - 50¢
16070DUF11/70	Waste Management Concepts for the Coastal Zone; by National Academy of Science - National Academy of Engineering, Washington, D.C.	NTIS - PB 195 861
16070DZV02/71	Estuarine Modeling; An Assessment; edited by G. H. Ward, Jr., Tracor, Inc., Austin, TX	GPO - $4.50 NTIS - PB 206 807

Report Number	Title/Author	Source
16070EFG12/71	Limitations and Effects of Waste Disposal on an Ocean Shelf; by Florida Ocean Sciences Institute, Deerfield Beach, FL	GPO - $2.25
16070ENS06/71	Airphoto Analysis of Ocean Outfall Dispersion; by Oregon State University, Corvallis, OR	GPO - $2.25
16070EOK07/71	Oceanography of the Nearshore Coastal Waters of the Pacific Northwest Relating to Possible Pollution, Vol. I; by Oregon State University, Corvallis, OR	GPO - $5.25
16070EOK07/71	Oceanography of the Nearshore Coastal Waters of the Pacific Northwest Relating to Possible Pollution, Vol. II; by Oregon State University, Corvallis, OR	GPO - $6.00
16070FGY07/71	The Barged Ocean Disposal of Wastes: A Review of Current Practice and Methods of Evaluation; by B. D. Clark, W. F. Rittall, D. J. Baumgartner, et al., Pacific Northwest Water Lab., EPA, Corvallis, OR	NTIS - PB 204 868
16070GHV05/71	Working Paper No. 80: User's Guide and Documentation for Outfall Plume Model; by D. J. Baumgartner, et al., Pacific Northwest Water Lab., EPA, Corvallis, OR	NTIS - PB 204 577

1608 - Water Quality Control

16080---00/68	Pilot Study of Dynamics of Reservoir Destratification; by L. E. Leach, W. R. Duffer, and C. C. Harlin, Jr., Robert S. Kerr Water Research Center, FWPCA, Ada, OK	NTIS - PB 205 825
16080---01/68	Agricultural Utilization of Sewage Effluent and Sludge: An Annotated Bibliography; by J. P. Law, Robert S. Kerr Water Research Center, FWPCA, Ada, OK	GPO - 45¢ NTIS - PB 205 028
16080---06/69	Hydraulic and Mixing Characteristics of Suction Manifolds; by Univ. of Washington, Seattle, WA	NTIS - PB 190 800
16080---10/69	Nutrient Removal from Enriched Waste Effluent by the Hydroponic Culture of Cool Season Grasses; by James P. Law, Robert S. Kerr Water Research Center, Ada, OK	GPO - 50¢ NTIS - PB 196 112
16080---11/69	Nutrient Removal from Cannery Wastes by Spray Irrigation of Grassland; by J. P. Law, et al., Robert S. Kerr Water Research Center, Ada, OK	NTIS - PB 189 774
16080---10/70	Induced Hypolimnion Aeration for Water Quality Improvement of Power Releases; by L. E. Leach, et al., Robert S. Kerr Water Research Center, EPA, Ada, OK	GPO - 50¢ NTIS - PB 198 226

Report Number	Title/Author	Source
16080---11/70	Induced Aeration of Small Mountain Lakes; by Robert S. Kerr Water Research Center, EPA, Ada, Oklahoma	GPO - 65¢
16080DFO01/71	Water Quality Control Through Flow Augmentation; by Heidelberg College, Tiffin, OH	GPO - $1.50 NTIS - PB 206 473
16080DOO07/70	Optimum Mechanical Aeration Systems for Rivers and Ponds; by Littleton Research and Engineering Corp., Littleton, MA	GPO - $1.25 NTIS - PB 206 218
16080DRX10/69	Stratified Reservoir Currents; by Oregon State University, Corvallis, OR	NTIS - PB 193 026
16080DUP12/70	Oxygen Regeneration of Polluted Rivers; The Delaware River; by Rutgers Univ., New Brunswick, NJ	GPO - $1.00 NTIS - PB 201 649
16080DVF12/70	Development of Phosphate-free Home Laundry Detergents; by IIT Research Institute, Chicago, IL	GPO - $1.00 NTIS - PB 198 222
16080DVF02/72	Technical Evaluation of Phosphate-free Home Laundry Detergents; by H. G. Reilich, IIT Research Institute, Chicago, IL	GPO - $1.25
16080DWP11/70	Induced Air Mixing of Large Bodies of Polluted Water; by University of Maine, Orono, ME	GPO - 60¢ NTIS - PB 198 220
16080FSN10/71	Engineering Methodology for River and Stream Reaeration; by JBF Scientific Corp., Burlington, MA	GPO - $1.25 NTIS - PB 208 818
16080FYA03/71	Oxygen Regeneration of Polluted Rivers; The Passaic River; by Rutgers University, New Brunswick, NJ	GPO - 65¢ NTIS - PB 206 190
16080GGH08/71	Changes in Water Quality Resulting From Impoundment; by W. R. Duffer and C. C. Harlin, Jr., Robert S. Kerr Water Research Center, EPA, Ada, OK	GPO - $1.25
16080GGP07/71	Effects of Feedlot Runoff on Water Quality of Impoundments; by W. R. Duffer, R. D. Kreis, and C. C. Harling, Jr., Robert S. Kerr Water Research Center, EPA, Ada, OK	GPO - 65¢
16080GPF03/71	Corrosion Potential of NTA in Detergent Formulations; by Battelle Columbus Lab., Columbus, OH	GPO - $1.00
16080GWF02/72	Soil Systems for Municipal Effluents -- A Workshop and Selected References; by R. H. Ramsey, C. R. Wetherill and H. C. Duffer, East Central State College, Ada, OK	GPO - 65¢

Report Number	Title/Author	Source
16080HTD03/72	Mercury Pollution Control in Stream and Lake Sediments; by J. D. Suggs, D. H. Peterson, and J. B. Middlebrook, Jr., Advanced Technology Center, Inc., Dallas, TX	GPO - 50¢
16080HTZ05/72	Polymer Film Overlay System for Mercury Contaminated Sludge - Phase I; by M. M. Epstein and M. U. Widman, Battelle Columbus Lab., Columbus, OH	(At press)
16080HUB04/72	Waste Wool as a Scavenger for Mercury Pollution in Waters; by J. P. Tratnyek, Arthur D. Little, Inc., Cambridge, MA	GPO - 60¢
16080HVA01/72	Sand and Gravel Overlay for Control of Mercury in Sediments; by L. H. Bongers and M. N. Khattak, Research Institute for Advanced Studies, Martin Marietta Corp., Baltimore, MD	GPO - 55¢

1609 - Water Resources Data

16090---07/69	Use of Mathematical Models in Water Quality Control Studies; by Northeastern University, Boston, MA	NTIS - PB 188 494
16090DBJ08/70	Design of Water Quality Surveillance Systems; by Cyrus Wm. Rice Div., NUS Corp., Pittsburgh, PA	GPO - $3.00 NTIS - PB 195 675
16090DBX04/70	Evaluation of Dispersed Pollutional Loads from Urban Areas; by University of Oklahoma, Norman, OK	NTIS - PB 203 746
16090DCL05/70	Delaware Estuary and Bay Water Quality Sampling and Mathematical Model Project; by the Delaware River Basin Commission, Trenton, NJ	NTIS - PB 193 799
16090DEA12/69	Complementary-Competitive Aspects of Water Storage; by Sacramento State College Foundation, Sacramento, CA	NTIS - PB 190 197
16090DLU11/69	Economic Evaluation of Water Quality; by University of California, Berkeley, CA	NTIS - PB 189 169
16090DQZ06/71	Research Supplement to Journal Water Pollution Control Federation; by the Water Pollution Control Federation, Washington, D.C.	GPO - 45¢
16090DRM09/69	A Model for Quantifying Flow Augmentation Benefits; by University of Florida, Gainesville, FL	NTIS - PB 188 208
16090DUH02/71	Stochastic Modeling for Water Quality Management; by Stochastics, Inc., Blacksburg, VA	GPO - $3.00 NTIS - PB 203 427

Report Number	Title/Author	Source
16090DVU07/70	Computer Simulation of the Hydrologic-Salinity Flow System Within the Upper Colorado River Basin; by Utah State Univ., Logan, UT	NTIS - PB 203 674
16090DWR06/70	Development of a Hydro-Quality Simulation Model; by Utah Research Lab., Utah State University, Logan, UT	NTIS - PB 194 065
16090FPW03/70	Legal Aspects of Water Storage for Flow Augmentation; by Virginia Polytechnic Institute, Blacksburg, VA	GPO - $1.75 NTIS - PB 195 170

1610 - Cold Climate Research

16100---06/70	Biological Waste Treatment in the Far North; by FWQA, Alaska Water Lab., College, AK	NTIS - PB 195 673
16100---10/70	The Chena River - A Study of a Subartic Stream; by Alaska Water Lab., FWQA, College, AK	NTIS - PB 197 857
16100EXH11/71	International Symposium on Water Pollution Control in Cold Climates; by Univ. of Alaska, College, AK	GPO - $2.50
16100GOI09/71	Environmental Guidelines for Road Construction in Alaska; by F. B. Lotspeich, Alaska Water Lab., EPA, College, AK	NTIS - PB 206 155

1611 - Water Resources Planning

16110DAJ12/70	Benefits of Water Quality Enhancement; by Syracuse University, Syracuse, NY	GPO - $1.75 NTIS - PB 207 358
16110DTF02/71	The Economics of Water Supply and Quality; by Harvard University, Cambridge, MA	GPO - 50¢ NTIS - PB 202 698
16110EAX02/72	Basin Management for Water Reuse; by Alamo Area Council of Governments, San Antonio, TX	GPO - $2.25 NTIS - PB 209 932
16110EGQ04/72	Extensions of Mathematical Programming for Regional Water Quality Management; by Univ. of California, Los Angeles, CA	GPO - $1.00
16110EXW06/71	Factors Affecting Pollution Referenda; by ABT Associates, Inc., Cambridge, MA	GPO - $2.50 NTIS - PB 207 350
16110FIO01/72	Use of General Equilibrium in Regional Water Resource Planning; by Georgetown University, Washington, D.C.	GPO - $1.50 NTIS - PB 209 893
16110FPP11/71	Interstate Planning for Regional Water Supply and Pollution Control; by Delaware River Basin Commission, Trenton, NJ	GPO - $3.00

Report Number	Title/Author	Source
16110FPX08/70	Mathematical Programming for Regional Water Quality Management; by Univ. of California Los Angeles, CA	GPO - $1.25 NTIS - PB 195 830
16110FRU12/71-1	The River Basin Model: An Overview	GPO - $1.00
16110FRU12/71-2	The River Basin Model: Director's Guide	GPO - $1.75
16110FRU12/71-3	The River Basin Model: Economic Sector	GPO - $1.25
16110FRU12/71-4	The River Basin Model: Social Sector	GPO - $1.25
16110FRU12/71-5	The River Basin Model: Chairman and Council	GPO - 70¢
16110FRU12/71-6	The River Basin Model: Assessment Department	GPO - 75¢
16110FRU12/71-7	The River Basin Model: School Department	GPO - $1.00
16110FRU12/71-8	The River Basin Model: Municipal Services Department	GPO - $1.00
16110FRU12/71-9	The River Basin Model: Utility Department	GPO - $1.25
16110FRU12/71-10	The River Basin Model: Highway Department	GPO - $1.00
16110FRU12/71-11	The River Basin Model: Planning and Zoning Department	GPO - 75¢
16110FRU12/71-12	The River Basin Model: Computer Output	GPO - $2.00
16110FRU12/71-13	The River Basin Model: The Social Science Laboratory	GPO - $2.00
16110FRU12/71-14	The River Basin Model: The Transportation Sector; by Envirometrics, Inc., Washington, D.C.	GPO - $1.00
16110FZE09/70	Use of New Analytical Methods in Water Resource Development; by University of Texas at Austin	NTIS - PB 195 829
16110GNT02/72	Development of a State Effluent Charge System; by Vermont Dept. of Water Resources, Agency of Environmental Conservation, Montpelier, VT	GPO - $1.75

1612 - Fate of Pollutants in Large Lakes

16120HVR01/72	Annotated Bibliography of Lake Ontario Limnological and Related Studies - Vol. I - Chemistry; by D. Proto and R. A. Sweeney, State Univ. College at Buffalo, NY	(Under review)
16120HVR01/72	Annotated Bibliography of Lake Ontario Limnological and Related Studies - Vol. II - Biology; by E. P. Downing, J. E. Hassan, and R. A. Sweeney, State Univ. College at Buffalo, NY	(Under review)
16120HVR01/72	Annotated Bibliography of Lake Ontario Limnological and Related Studies - Vol. III - Physical; by J. Baldwin and R. A. Sweeney, State Univ. College at Buffalo, NY	(Under review)

1613 - Thermal Pollution

16130---09/68	Industrial Waste Guide on Thermal Pollution; by Pacific Northwest Water Lab., FWPCA, Corvallis, OR	NTIS - PB 197 262

Report Number	Title/Author	Source
16130---12/68	Experimental Study of Warm Water Flow Into Impoundments - Part I; Part II; Part III; by St. Anthony Falls Hydraulic Lab., University of Minnesota, Minneapolis, MN	NTIS - PB 188 512 NTIS - PB 188 513 NTIS - PB 188 514
16130---09/69	Working Paper No. 67; Economic Aspects of Thermal Pollution Control in the Electric Power Industry; by A. G. Christianson and B. A. Tichenor, Pacific Northwest Water Lab., FWPCA, Corvallis, OR	NTIS - PB 208 434
16130---04/70	Guidelines: Biological Surveys at Proposed Heat Discharge Sites; by R. R. Garton, Pacific Northwest Water Lab., FWQA, Corvallis, Oregon and R. D. Harkins, Robert S. Kerr Water Research Center, FWQA, Ada, OK	GPO - $1.00 NTIS - PB 206 815
16130---10/70	Thermoelectric Generators Powered by Thermal Waste From Electric Power Plants; by M. A. Shirazi, Pacific Northwest Water Lab., FWQA, Corvallis, OR	GPO - 45¢ NTIS - PB 207 870
16130DFX05/70	An Engineering-Economic Study of Cooling Pond Performance; by Littleton Research and Engr., Littleton, MA	GPO - $1.50 NTIS - PB 206 817
16130DHS07/69	A Survey of Alternate Methods for Cooling Condenser Discharge Water - Large Scale Heat Rejection Equipment; by Dynatech R/D Company, Cambridge, MA	GPO - $1.25 NTIS - PB 208 036
16130DHS08/70	A Survey of Alternate Methods for Cooling Condenser Discharge Water - Operating Characteristics and Design Criteria; by Dynatech R/D Company, Cambridge, MA	GPO - $1.00 NTIS - PB 208 035
16130DHS11/70	A Survey of Alternate Methods for Cooling Condenser Discharge Water - Total Community Considerations in the Utilization of Rejected Heat; by Dynatech R/D Company, Cambridge, MA	GPO - 65¢ NTIS - PB 206 816
16130DHS01/71	A Survey of Alternate Methods for Cooling Condenser Discharge Water - System Selection, Design and Optimization; by Dynatech R/D Company, Cambridge, MA	GPO - $1.00
16130DJH01/71	A Predictive Model for Thermal Stratification and Water Quality in Reservoirs; by Massachusetts Institute of Technology, Cambridge, MA	GPO - $2.00
16130DJH04/71	Temperature Prediction in Stratified Water; Mathematical Model - User's Manual; by Ralph M. Parsons Lab., Massachusetts Institute of Technology, Cambridge, MA	GPO - $1.25
16130DJU02/71	An Analytical and Experimental Investigation of Surface Discharge of Heated Water; by Massachusetts Institute of Technology, Cambridge, MA	GPO - $1.75 NTIS - PB 210 134

Report Number	Title/Author	Source
16130DNE03/71	Advanced Nonthermally Polluting Gas Turbines in Utility Application; by United Aircraft Corp., East Hartford, CT	GPO - $2.00
16130DNH01/71	Potential Environmental Modifications Produced by Large Evaporative Cooling Towers; by E G & G, Inc., Boulder, CO	GPO - 75¢
16130DPU02/71	Research on the Physical Aspects of Thermal Pollution; by Cornell Aeronautical Lab., Inc., Buffalo, NY	GPO - $1.75 NTIS - PB 210 124
16130DWO10/70	Mathematical Models for the Prediction of Temperature Distributions Resulting from the Discharge of Heated Water into Large Bodies of Water; by Tetra Tech. Inc., Pasadena, CA	GPO - $1.75 NTIS - PB 208 034
16130EES11/70	Research on Dry-Type Cooling Towers for Thermal Electric Generation, Part I; Part II; by R. W. Beck & Associates, Denver, CO	GPO - $2.50 NTIS - PB 206 954 GPO - $1.00
16130ENT12/69	Thermal Pollution: Status of the Art; by Vanderbilt University, Nashville, TN	(Vanderbilt - $4.00)
16130EXT12/69	Mathematical Models for the Prediction of Thermal Energy Change in Impoundments; by Water Resources Engineers Inc., Walnut Creek, CA	GPO - $1.50 NTIS - PB 210 126
16130FDQ03/71	Effect of Geographical Location on Cooling Pond Requirements and Performance; by Vanderbilt University, Nashville, TN	GPO - $2.00 NTIS - PB 208 031
16130FDQ03/71	Heated Surface Jet Discharged into a Flowing Ambient Stream; by L. H. Motz and B. A. Benedict, Vanderbilt University, Nashville, TN	GPO - $1.75
16130FHJ09/70	Beneficial Uses of Waste Heat - An Evaluation; by Northwest Water Research Lab., FWQA, Corvallis, OR	NTIS - PB 201 724
16130FSU12/71	Surface Discharge of Heated Water; by H. Stefan, N. Hayakawa, and F. R. Schiebe, St. Anthony Falls Hydraulic Lab., Univ. of Minnesota, Minneapolis, MN	GPO - $2.00
16130GFI06/71	Potential Environmental Effects of an Offshore Submerged Nuclear Power Plant, Vol. I: Vol. II: by General Dynamics, Electric Boat Div., Groton, CT	GPO - $2.50 NTIS - PB 208 281 GPO - $2.25 NTIS - PB 208 282
16130GKF12/70	A Method for Predicting the Performance of Natural Draft Cooling Towers; by Pacific Northwest Water Lab., EPA, Corvallis, OR	GPO - 70¢ NTIS - PB 210 125

Report Number	Title/Author	Source
16130GNK10/71	Development and Demonstration of Low-Level Drift Instrumentation; by Environmental Systems Corp., Knoxville, TN	GPO - 65¢

Waste Treatment and Ultimate Disposal

1701 - Dissolved Nutrient Removal

17010---10/68	Dilute Solution Reactions of the Nitrate Ion as Applied to Water Reclamation; by Rocketdyne, Div. of North American Rockwell Corporation, Canoga Park, CA	NTIS - PB 190 195
17010---01/70	Treatment Techniques for Removing Phosphorus from Municipal Wastewaters; by J. J. Convery, AWTR Lab., FWQA, Cinn., OH	GPO - 50¢ NTIS - PB 199 072
17010---02/70	An Electrochemical Method for Removal of Phosphates from Wastewater; by Dynatech Corp., Cambridge, MA	GPO - 50¢
17010---10/70	Nitrogen Removal from Wastewaters; by Advanced Waste Treatment Lab., FWQA, Cincinnati, OH	NTIS - PB (Pending)
17010DBL12/70	Colloid Flotation and Adsorbing Colloid Flotation; by Northeastern University, Boston, MA	NTIS - PB 205 001
17010DDQ11/71	Mechanisms of Biological Luxury Phosphate Uptake; by Dept. of Microbiology and Medical Technology, Univ. of Arizona, Tucson, AZ	GPO - $1.00
17010DFV09/70	Phosphate Study at the Baltimore Back River Wastewater Treatment Plant; by City of Baltimore, MD	GPO - $1.50 NTIS - PB 199 363
17010DHK08/69	Chemical Exfoliated Vermicolite for Removal of Phosphate from Wastewaters; by J. Block, W. R. Grace & Co., Clarksville, MD	GPO - 50¢ NTIS - PB 196 740
17010DHT09/70	Methanol Requirement and Temperature Effects in Wastewater Denitrification; by Gulf South Research Institute, New Iberia, LA	GPO - 50¢ NTIS - PB 198 221
17010DJA11/70	Investigation of a New Phosphate Removal Process; by Envirogenics Co., El Monte, CA	GPO - 75¢ NTIS - PB 203 069
17010DRD07/70	A Study of Nitrification & Denitrification; by Aerojet-General Corp., El Monte, CA	GPO - $1.00 NTIS - PB 197 658
17010DXD08/70	Phosphorus Removal by an Activated Sludge Plant; by Sewerage Commission of the City of Milwaukee, WI	GPO - $1.00
17010DYB02/71	Phosphorus Removal and Disposal from Municipal Wastewater; by Univ. of Texas Medical Branch, Galveston, TX	GPO - $1.25

Report Number	Title/Author	Source
17010EAP10/70	Feasibility of Liquid Ion Exchange for Extracting Phosphate from Wastewater; by General Mills Chemicals Inc., Minneapolis, MN	GPO - 50¢ NTIS - PB 205 360
17010ECZ03/69	Ammonia Removal from Agricultural Runoff and Secondary Effluents by Selected Ion Exchange; by Battelle Memorial Institute, Richland, WA	NTIS - PB 187 759
17010ECZ02/71	Wastewater Ammonia Removal by Ion Exchange; by Battelle Northwest, Richland, Washington, and South Tahoe Public Utility District, South Lake Tahoe, CA	GPO - $1.25 NTIS - PB 209 934
17010EDO06/70	Phosphorus Removal Using Chemical Coagulation and a Continuous Countercurrent Filtration Process; by Johns-Manville Products Corp., Manville, NJ	GPO - 65¢ NTIS - PB 196 734
17010EED07/70	The Electro-Oxidation of Ammonia in Sewage to Nitrogen; by Ionics, Inc., Watertown, MA	GPO - 55¢ NTIS - PB 204 526
17010EER06/70	Mobile Pilot Plant for Removal of Phosphate from Wastewaters by Adsorption on Alumina; by Battelle Institute, Richland, WA	NTIS - PB (Pending)
17010EEX10/70	Development of a Chemical Denitrification Process; by Rocketdyne Research, North American Rockwell, Canoga Park, CA	GPO - 65¢ NTIS - PB 203 597
17010EFX04/70	Phosphate Removal from Wastewaters Using Lanthanum Precipitation; by Atomics International, Div. of North American Rockwell Corp., Canoga Park, CA	GPO - 55¢ NTIS - PB 196 738
17010EIP05/71	Soluble Phosphorus Removal in the Activated Sludge Process, Part I: Chemical-Biological Process Performance; by The Soap and Detergent Association, New York, NY	GPO - $1.25
17010EIP10/71	Soluble Phosphorus Removal in the Activated Sludge Process, Part II: Sludge Digestion Study; by The Soap and Detergent Asso., New York, NY	GPO - 65¢
17010EKI04/70	Kinetics and Mechanism of Precipitation and Nature of the Precipitate Obtained in Phosphate Removal from Wastewater Using Aluminum (III) and Iron (III) Salts; by Atomics International, Div. of North American Rockwell Corp., Canoga Park, CA	GPO - 75¢ NTIS - PB 196 737
17010EKI09/71	Phosphate Precipitation with Ferrous Iron; by M. Ghassimi and H. L. Recht, Atomics International, Div. of North American Rockwell Corp., Canoga Park, CA	GPO - 70¢ NTIS - PB 209 939
17010ELQ08/71	Advanced Wastewater Treatment as Practiced at South Tahoe; by South Tahoe Public Utility District, South Lake Tahoe, CA	GPO - $3.25 NTIS - PB 204 525

Report Number	Title/Author	Source
17010EVB11/70	Process Alternatives for Removal of Carbonaceous, Nitrogenous, and Phosphorus Materials from Concentrated Waste Streams; by Engineering-Science, Inc., Oakland, CA	GPO - 35¢
17010FAH07/70	Development of Phosphate Removal Processes; by Detroit Metro. Water Dept., Detroit, MI	GPO - 65¢ NTIS - PB 203 192
17010FJY02/69	Alumina Columns for Selective Removal of Phosphorus from Wastewater; by Pacific Northwest Lab., Battelle Memorial Inst., Richland, WA	NTIS - PB 189 405
17010FKA05/70	Development of a Pilot Plant to Demonstrate Removal of Carbonaceous, Nitrogenous and Phosphorus Materials from Anaerobic Digester Supernatant and Related Process Streams; by FMC Corp., Santa Clara, CA	GPO - $1.00 NTIS - PB 196 733
17010FKF12/69	Basic Salinogen Ion-Exchange Resin for Selected Nitrate Removal from Potable and Effluent Waters; by Tyco Labs, Waltham, MA	GPO - $1.00 NTIS - PB 196 735
17010FMX01/71	Nitrification and Denitrification of Wastewaters; by University of Minnesota, Minneapolis, MN	NTIS - PB 202 350
17010FSJ01/71	Nitrate Removal from Wastewater by Ion Exchange; by Dow Chemical Co., Walnut Creek, CA	GPO - $1.00 NTIS - PB 204 527

1702 - Dissolved Refractory Organics Removal

17020---12/68	An Investigation of Light-Catalyzed Chlorine Oxidation for Treatment of Wastewater; by Midwest Research Institute, Kansas City, MO	NTIS - PB 187 757
17020---12/68	A Comparison of Expanded-Bed and Packed-Bed Adsorption Systems; by FMC Corporation Santa Clara, CA	NTIS - PB 187 756
17020---04/69	Ozone Treatment of Secondary Effluent from Wastewater Treatment Plants; by Air Reduction Co., Inc., Murray Hill, NJ	NTIS - PB 187 758
17020---02/70	The Soil Filter: A Treatment Process for Removal of Odorous Gases; by University of Washington, Seattle, WA	NTIS - PB 202 580
17020---06/70	Effect of Surface Groups on Adsorption of Pollutants; by Lehigh Univ., Bethlehem, PA	GPO - 40¢ NTIS - PB 198 519
17020DAO02/69	Regeneration of Spent Granular Activated Carbon; by MSA Research Corp., Evans City, PA	NTIS - PB 189 955
17020DAO07/70	Optimization of the Regeneration Procedure for Granular Activated Carbon; by Mine Safety Appliances Research Corp., Evans City, PA	GPO - $1.25 NTIS - PB 208 205

Report Number	Title/Author	Source
17020DBA03/70	Ultrafiltrative Dewatering of Spent Powdered Carbon; by Amicon Corporation, Lexington, MA	GPO - 70¢ NTIS - PB 197 865
17020DDC06/71	Effect of Porous Structure on Carbon Activation; by Chemical Engineering Dept., University of Colorado, Boulder, CO	GPO - $1.00 NTIS - PB 210 145
17020DHR12/70	Use of Improved Membranes in Tertiary Treatment by Reverse Osmosis; by McDonnell Douglas Corp., Newport Beach, CA	NTIS - PB 203 206
17020DNQ09/69	Study of Powdered Carbons for Waste Water Treatment and Methods for Their Applications; by West Virginia Pulp and Paper Co., Covington, WV	NTIS - PB 191 538
17020DUD09/70	New Technology for Treatment of Wastewater by Reverse Osmosis; by Envirogenics Co, Div. of Aerojet-General, El Monte, CA	GPO - 70¢ NTIS - PB 199 362
17020DUE09/70	Light-Catalyzed Chlorine Oxidation for Treatment of Wastewater; by Midwest Research Institute, Kansas City, MO	GPO - $1.00 NTIS - PB 202 230
17020DVJ05/69	Appraisal of Granular Carbon Contacting; Phase I & II; Phase III; by Swindell-Dressler Co., Pittsburgh, PA	NTIS - PB 190 168 NTIS - PB 190 167
17020DZO11/70	Carbon Column Operation in Waste Water Treatment; by Syracuse Univ., Syracuse, NY	NTIS - PB 202 579
17020ECI11/71	Feasibility Studies of Applications of Catalytic Oxidation in Wastewater; by Southern Illinois University, Carbondale, IL	GPO - 75¢ NTIS - PB 208 348
17020EFA10/70	New and Ultrathin Membranes for Municipal Wastewater Treatment by Reverse Osmosis; by North Star Research & Development Institute, Minneapolis, MN	GPO - 70¢ NTIS - PB 202 237
17020FBD03/70	The Development of a Fluidized-Bed Technique for the Regeneration of Powdered Activated Carbon; by Battelle Memorial Institute, Columbus, OH	GPO - 55¢ NTIS - PB 197 892
17020FKB07/70	Advanced Wastewater Treatment Using Powdered Activated Carbon in Recirculating Slurry Contactor-Clarifiers; by C. F. Garland and R. L. Beebe, Infilco, Tucson, AZ	GPO - 75¢ NTIS - PB 197 890
17020GDN07/71	Improving Granular Carbon Treatment; by FMC Corp., Princeton, NJ	GPO - $1.00

1703 - Suspended and Colloidal Solids Removal

17030EOH01/70	Application of Hyperfiltration to Treatment of Municipal Sewage Effluents; by Oak Ridge National Lab., Oak Ridge, TN	GPO - 70¢ NTIS - PB 197 671

Report Number	Title/Author	Source
17030ESX04/70	Investigation of a High-Pressure Foam Wastewater Treatment Process; by Garrett Research and Development Co., Inc., LaVerne, CA	GPO - 45¢ NTIS - PB 197 863
17030FEB02/72	Fluidic Vortex Bubble Generator; by Bowles Fluidics Corp., Silver Spring, MD	GPO - $1.00
17030FWH01/72	Filtration of Municipal Waste With a Moving Bed Contactor; by F. O. Mixon, Research Triangle Institute, Environmental Studies Center, Research Triangle Park, NC	GPO - 60¢

1704 - Dissolved Inorganics Removal

17040---05/70	Study and Experiments in Waste Water Reclamation by Reverse Osmosis; by Gulf General Atomic, Inc., San Diego, CA	GPO - $1.25 NTIS - PB 198 092
17040---05/70	Renovation of Municipal Wastewater by Reverse Osmosis; by AWTR Lab., FWQA, Cincinnati, OH and Los Angeles County Sanitation District, Los Angeles, CA	GPO - 65¢ NTIS - PB 199 067
17040DFC10/70	Feasibility Study of Regenerative Fibers for Water Pollution Control; by Uniroyal, Inc., Wayne, NJ	GPO - 75¢ NTIS - PB 208 821
17040DNM02/71	Feasibility of Treating Wastewater by Distillation; by University of Florida, Gainesville, FL	GPO - $1.00 NTIS - PB 206 145
17040EEE12/71	Wastewater Demineralization by Ion Exchange; by E. Kreusch and K. Schmidt, Culligan International Co., Northbrook, IL	GPO - $1.25 NTIS - PB 209 935
17040EFO06/70	Membrane Materials for Wastewater Reclamation by Reverse Osmosis; by Gulf General Atomic, San Diego, CA	GPO - 65¢ NTIS - PB 197 448
17040EFQ12/69	Reverse Osmosis Renovation of Municipal Wastewater; by Aerojet-General Corp., El Monte, CA	GPO - $1.50 NTIS - PB 197 659
17040EFQ02/71	Reverse Osmosis Renovation of Primary Sewage; by Aerojet-General Corp., El Monte, CA	GPO - 65¢ NTIS - PB 207 645
17040EUE07/71	Amenability of Reverse Osmosis Concentrate to Activated Sludge Treatment; by Rex Chainbelt, Inc., Milwaukee, WI	GPO - $1.25
17040EUN02/71	Demineralization of Wastewater by the Transport-Depletion Process; by Southern Research Institute, Birmingham, AL	GPO - 65¢ NTIS - PB 206 191

Report Number	Title/Author	Source
1705 - Dissolved Biodegradable Organics Removal		
17050---07/68	Evaluation of Waste Treatment System Chemawa Indian School; by B. D. Clark and K. A. Dostal, Pacific Northwest Water Lab., FWPCA, Corvallis, OR	NTIS - PB 208 435
17050---10/69	Photolysis Mechanisms for Pollution Abatement; by IIT Research Institute, Chicago, IL	NTIS - PB 190 169
17050---00/70	Characteristics and Kinetics of Biological Fixed Film Reactors; by Clemson Univ., Clemson, SC	NTIS - PB 199 834
17050DAL05/70	Granular Carbon Treatment of Raw Sewage; by FMC Corporation, Princeton, NJ	GPO - $1.00 NTIS - PB 197 864
17050DAM05/69	Municipal Sewage Treatment with a Rotating Biological Contactor; by Allis-Chalmers Research Div., Milwaukee, WI	NTIS - PB 201 701
17050DAM11/71	Application of Rotating Disc Process to Municipal Wastewater Treatment; by Autotrol Corp., Milwaukee, WI	GPO - 75¢
17050DDY12/71	A Literature Search and Critical Analysis of Biological Trickling Filter Studies, Vol. I; by Functional Products and Systems Dept., The Dow Chemical Co., Midland, MI	GPO - $2.50
17050DDY12/71	A Literature Search and Critical Analysis of Biological Trickling Filter Studies, Vol. II; by Functional Products and Systems Dept., The Dow Chemical Co., Midland, MI	GPO - $2.75
17050DHI09/70	Isolation of Lytic Agents Related to Sphaerotilus; by D. J. Geason, Randolph-Macon Woman's College, Lynchburg, VA	NTIS - PB (Pending)
17050DJS05/71	Oxygen Consumption in Continuous Biological Culture; by Center for Research, Inc., University of Kansas, Lawrence, KS	GPO - $1.25 NTIS - PB 208 349
17050DNW05/70	Investigation of the Use of High-Purity Oxygen Aeration in the Conventional Activated Sludge Process; by Union Carbide Corp., Linde Div., Tonawanda, NY	NTIS - PB 194 241
17050DNW02/72	Continued Evaluation of Oxygen Use in Conventional Activated Sludge Processing; by Union Carbide Corp., Linde Division, Tonawanda, NY	GPO - $1.50 NTIS - PB 209 940
17050DVO09/71	Water Budget for the City of Laramie, Wyoming; by P. A. Rechard, Water Resources Research Inst., University of Wyoming, Laramie, WY	GPO - 50¢ NTIS - PB 208 819
17050DVO10/71	Supplementary Aeration of Lagoons in Rigorous Climate Areas; by R. L. Champlin, Dept. of Civil Engineering, Univ. of Wyoming, Laramie, WY	GPO - 75¢ NTIS - PB 208 204

Report Number	Title/Author	Source
17050EEO03/71	Integrated Activated Sludge Biological Filter Process; by City of San Buenaventura, CA	NTIS - PB 206 794
17050EJB11/70	Full-Scale Raw Wastewater Flocculation with Polymers; by P. V. Freese and E. Hicks, D. C. Dept. of Sanitary Engineering, Washington, D.C.	GPO - 60¢
17050EOY01/72	Biomass Determination - A New Technique for Activated Sludge Control; by Biospherics, Inc., Rockville, MD	GPO - $1.25
17050EVF02/71	Automatic Control of an Activated Sludge Reactor; by University of Connecticut, Storrs, CT	NTIS - PB (Pending)
17050FIM05/70	Optimizing Lipid Biostabilization; by Midwest Research Institute, Kansas City, MO	GPO - 60¢ NTIS - PB 197 893

1707 - Ultimate Disposal

17070---05/68	A Study of Sludge Handling and Disposal; by R. S. Burd, FWPCA, Washington, D.C. (formerly with Dow Chemical Co.)	NTIS - PB 179 514
17070---09/69	Controlling Factors in Methane Fermentation; by New Mexico State University, Las Cruces, NM	NTIS - PB 206 237
17070DAU12/71	Aerobic Digestion of Organic Waste Sludge; by College of Engineering, Oklahoma State University, Stillwater, OK	GPO - $1.50
17070DFK02/70	The Biochemistry of Anaerobic Digestion; by Manhattan College, Bronx, NY	NTIS - PB 198 655
17070DHO02/71	DNA Concentration as an Estimate of Sludge Biomass; by Southwest Missouri State College, Springfield, MO	GPO - 40¢ NTIS - PB 203 070
17070DJW11/69	State of the Art Review on Product Recovery; by Resources Engineering Association, Wilton, CT	NTIS - PB 192 634
17070DLV04/70	State of the Art Review on Sludge Incineration Practice; by Resources Engineering Associates, Wilton, CT	GPO - $1.25 NTIS - PB 197 888
17070DLY05/70	Disposal of Brines Produced in Renovation of Municipal Wastewater; by Burns and Roe, Inc., Oradell, NJ	GPO - $1.25 NTIS - PB 197 597
17070DRP12/70	Development of Techniques for Estimating the Bacterial Population of Sewage Sludge; by W. Spangler, and W. Langston, Midwest Research Institute, Kansas City, MO	GPO - $1.00
17070DUQ07/70	Pipeline Flow of Solids-Liquid Suspensions; by Syracuse University, Syracuse, NY	NTIS - PB 199 708

Report Number	Title/Author	Source
17070DYF09/70	A Study of Sludge Digestion with Sodium Chloride and Sulfate; by Georgia Institute of Technology, Atlanta, GA	NTIS - PB 196 732
17070EBP07/71	Computerized Design and Cost Estimation for Multiple-Hearth Sludge Incinerators; by Dr. W. Unterberg, R. J. Sherwood, and Dr. G. R. Schneider, Rocketdyne Div., North American Rockwell Corp., Canoga Park, CA	GPO - $1.50
17070EHE07/70	Electroosmotic Pumping for Dewatering Sewage Sludge; by Rocketdyne Div. of North American Rockwell Corp., Canoga Park, CA	GPO - 65¢ NTIS - PB 197 889
17070EKN12/69	Feasibility of Hydrolysis of Sludge Using Low Pressure Steam with SO2 as a Hydralytic Adjunct and Utilization of the Resulting Hydrosate; by Foster D. Snell, Inc., Florham Park, NJ	NTIS - PB 194 784
17070ESJ01/70	Ultimate Disposal of Phosphate from Waste Water by Recovery as Fertilizer; by Dearborn Chemical Div., W. R. Grace and Co., Chicago, IL	GPO - 70¢ NTIS - PB 196 739
17070EVY08/71	Biological Methods of Sludge Dewatering; by Envirogenics Co., Div. of Aerojet-General Corp., El Monte, CA	NTIS - PB 207 480
1708 - Waste Water Renovation and Reuse		
17080DAR09/71	Optimization of Ammonia Removal by Ion Exchange Using Clinoptilolite; by Sanitary Engineering Research Lab., College of Engineering, and School of Public Health, Univ. of California, Berkeley, CA	GPO - $1.50
17080ESH08/68	Waste Water Reclamation Project for Antelope Valley Area; by Dept. of County Engineer, County of Los Angeles, CA	NTIS - PB 191 067
1709 - Waste Treatment Optimization		
17090---12/67	A Compilation of Cost Information for Conventional and Advanced Wastewater Treatment Plants and Processes; by R. Smith, AWTR Lab., FWPCA, Cincinnati, OH	NTIS - PB 206 430
17090---12/68	Cost of Wastewater Treatment Processes; by Dorr-Oliver, Inc., Stamford, CT	NTIS - PB 187 760
17090---06/69	Cost and Performance Estimates for Tertiary Wastewater Treating Processes; by Robert A. Taft Water Research Center, Cincinnati, OH	NTIS - PB 189 953
17090---10/69	A Generalized Computer Model for Steady-State Performance of the Activated Sludge Process; by Robert A. Taft Water Research Center, Cincinnati, OH	NTIS - PB 192 764

Report Number	Title/Author	Source
17090---07/70	Cost to the Consumer for Collection and Treatment of Wastewater; by R. Smith and R. G. Eilers, The AWTR Lab., EPA, Cincinnati, OH	GPO - $1.00 NTIS - PB 210 199
17090DAN10/71	Estimating Costs and Manpower Requirements for Conventional Wastewater Treatment Facilities; by W. L. Patterson, R. F. Banker; Black & Veatch Consulting Engineers, Kansas City, MO	GPO - $2.00
17090DOY12/70	Feasibility of Computer Control of Wastewater Treatment; by American Public Works Association, Chicago, IL	GPO - $1.00 NTIS - PB 203 962
17090EEM12/71	Investigation of Response Surfaces of the Microscreen Process; by Engineering-Science, Inc., Cincinnati, OH	GPO - $1.25
17090EHQ09/69	Mathematical Model of Sewage Sludge Fluidized Bed Incinerator Capacities and Costs; by General American Transportation Corp. and General American Research Div., Niles, IL	NTIS - PB 189 295
17090EHQ09/70	Mathematical Model of Recalcination of Lime Sludge with Fluidized Bed Reactors; by General American Transportation Corp., Niles, IL	GPO - 55¢ NTIS - PB 197 891
17090EHX07/71	Waste Treatment Lagoons - State of the Art; by Missouri Basin Engineering Health Council, Cheyenne, WY	GPO - $1.25 NTIS - PB 209 937
17090FJW02/72	A Mathematical Model of a Final Clarifier; by Rex Chainbelt, Inc., Milwaukee, WI	GPO - $1.00 NTIS - PB 209 933
17090FKC09/69	Mathematical Model of Tertiary Treatment by Lime Addition; by General American Transportation Corp., General American Research Division, Niles, IL	NTIS - PB 190 170
17090FQJ09/71	Biological Concepts for Design and Operation of the Activated Sludge Process; by A. F. Gaudy, Jr., and E. T. Gaudy, Oklahoma State University, Stillwater, OK	GPO - $1.25
17090FTA07/69	Mathematical Model of Electrodialysis Process; by Process Research Inc., Cambridge, MA	GPO - 70¢ NTIS - PB 200 721

Water Quality Requirements Research

1801 - Municipal Uses

18010DPV12/70	Water Quality Criteria Data Book, Vol. I - Organic Chemical Pollution of Freshwater; by Arthur D. Little, Inc., Cambridge, MA	GPO - $3.50 NTIS - PB 208 987

Report Number	Title/Author	Source
18010DPV07/71	Water Quality Criteria Data Book, Vol. 2 - Inorganic Chemical Pollution of Freshwater; by Arthur D. Little, Inc., Cambridge, MA	GPO - $2.25 NTIS - PB 208 988
1805 - Freshwater Fishes, Other Freshwater Life and Wildlife		
18050---03/70	Effects of Abatement of Domestic Sewage Pollution on the Benthos, Volumes of Zooplankton, and the Fouling Organisms of Biscayne Bay, Florida; by K. McNulty, Institute of Marine and Atmospheric Sciences, Univ. of Miami, Miami, FL	(Univ. of Miami)
18050DAI02/70	Biological Effects of Effluent from a Desalination Plant at Key West, Florida; by Westinghouse Electric Corp., Pittsburgh, PA	GPO - $1.00 NTIS - PB 195 677
18050DBB12/71	Industrial Wastes: Effects on Trinity River Ecology, Fort Worth, Texas; by Texas Christian Univ., Dept. of Biology, Fort Worth, TX	(At press)
18050DBM02/72	Lake Superior Periphyton in Relation to Water Quality; by T. A. Olson and T. O. Odlang, University of Minnesota, Minneapolis, MN	GPO - $2.00
18050DIE12/71	The Ecology of Diatoms in Hardwater Habitats; by J. D. Dodd, Dept. of Botany and Plant Pathology, Iowa State University, Ames, IA	GPO - 65¢
18050DKC12/69	Plankton Diatom Assemblages in Lake Michigan; by Univ. of Michigan, Ann Arbor, MI	GPO - $2.00 NTIS - PB 198 087
18050DLW04/71	Biological Effects of Copper and Arsenic Pollution; by University of Alaska, College, AK	NTIS - PB 201 648
18050DOH06/71	Stream Faunal Recovery After Manganese Strip Mine Reclamation; by Bureau of Sport Fisheries, Virginia Polytechnic Institute, Blacksburg, VA	GPO - 50¢ NTIS - PB 206 184
18050DOL03/70	Bactericidal Effects of Algae on Enteric Organisms; by Univ. of Texas, Austin, TX	GPO - $1.25 NTIS - PB 197 862
18050DST12/70	Toxic Action of Water Soluble Pollutants on Freshwater Fish; by Michigan State University, East Lansing, MI	GPO - 65¢ NTIS - PB 201 650
18050DWC12/70	The Effect of Inorganic Sediment on Stream Biota; by DePauw Univ., Greencastle, IN	GPO - $1.25 NTIS - PB 204 236
18050DXJ05/71	Histochemical and Cytophotometric Assay of Acid Stress in Freshwater Fish; by Pennsylvania State Univ., University Park, PA	GPO - $1.25

Report Number	Title/Author	Source
18050DXU06/70	Sensitivity of Benthic Microflora to Pollution Gradients; by Prof. N. Marshal, Univ. of Rhode Island; Prof. D. M. Skauen, Univ. of Connecticut; Dr. C. A. Orviatt, Univ. of Rhode Island	NTIS - PB 192 853
18050DZZ06/71	Biological Survey of Streams of Coles County, Illinois, 1967-1970; by Eastern Illinois Univ., Charleston, IL	GPO - $1.25
18050EBK02/71	Responses of Teleost Fish to Environmental Stress; by University of Washington, Seattle, WA	GPO - $1.25 NTIS - PB 208 968
18050EDP12/71	The Use of Fish Movement Patterns to Monitor Zinc; by J. Cairns, Jr. and W. T. Waller, Virginia Polytechnic Inst. and State Univ., Blacksburg, VA	GPO - 55¢
18050EDQ12/71	The Use of Bluegills to Detect Zinc; by J. Cairns, Jr. and R. E. Sparks, Virginia Polytechnic Institute and State University, Blacksburg, VA	GPO - 55¢
18050EEC12/71	Acid Mine Pollution Effects on Lake Biology; by R. W. Smith and D. G. Frey, Water Resources Research Center, Indiana Univ., Bloomington, IN	GPO - $1.25
18050ELD02/72	Biota of Freshwater Ecosystems - Identification Manual No. 1 - Freshwater Planarians (Turbellaria) of North America; by R. Kenk, Dept. of Invertebrate Zoology, Smithsonian Institution, Washington, D.C.	(At press)
18050ELD02/72	Biota of Freshwater Ecosystems - Identification Manual No. 2 - The Genus Argulus (Crustacia: Branchitura) of The United States; by R. F. Cressey, Smithsonian Institute, Washington, D.C.	(At press)
18050ELD03/72	Biota of Freshwater Ecosystems - Identification Manual No. 3 - Freshwater Sphaeriacean Clams (Mollusca: Pelecypoda) of North America; by J. B. Burch, Museum of Zoology, Univ. of Michigan, Ann Arbor, MI	(At press)
18050ELD03/72	Biota of Freshwater Ecosystems - Identification Manual No. 4 - Freshwater Polychaetes (Annelida) of North America; by N. Foster, Dept. of Biology, Dunbarton College, Washington, D.C.	(At press)
18050ELD04/72	Biota of Freshwater Ecosystems - Identification Manual No. 5 - The Freshwater Amphipod Crustaceans (Gammaridae) of North America; by J. R. Holsinger, Dept. of Biology, Old Dominion University, Norfolk, VA	(At press)

Report Number	Title/Author	Source
18050ELD04/72	Biota of Freshwater Ecosystems - Identification Manual No. 6 - Aquatic Dryopoid Beetles (Coleoptera) of the United States; by H. P. Brown, Dept. of Zoology, Univ. of Oklahoma, Norman, OK	(At press)
18050ELD05/72	Biota of Freshwater Ecosystems - Identification Manual No. 7 - Freshwater Isopods (Asellidae) of North America; by W. D. Williams, Dept. of Zoology, Monash Univ., Clayton, Victoria, Australia	(At press)
18050ELD05/72	Biota of Freshwater Ecosystems - Identification Manual No. 8 - Freshwater Leeches (Annelida; Hirudinea) of North America; by D. J. Klemm, Museum of Zoology, Univ. of Michigan, Ann Arbor, MI	(At press)
18050ELD05/72	Biota of Freshwater Ecosystems - Identification Manual No. 9 - Crayfishes (Astacidae) of North and Middle America; by H. H. Hobbs, Jr., Dept. of Invertebrate Zoology, Smithsonian Inst., Washington, DC	(At press)
18050EUJ12/70	Temperature Control in Outdoor Experimental Ponds; by Univ. of Minnesota, St. Anthony Falls Hydraulic Lab., Minneapolis, MN	NTIS - PB 199 364
18050GWV05/71	Water Quality Criteria Data Book, Vol. 3 - Effects of Chemicals on Aquatic Life; by Battelle Columbus Lab., Columbus, OH	GPO - $3.75
18050GZZ10/71	Chlorinated Municipal Waste Toxicities to Rainbow Trout and Fathead Minnows; by Michigan Department of Natural Resources, Lansing, MI	GPO - 60¢ NTIS - PB 209 890

1808 - Marine Fishes, Other Marine Life and Wildlife

18080GBX12/71	Biological Impact of a Large-Scale Desalination Plant at Key West; by R. H. Chesher, Westinghouse Ocean Research Laboratory, Annapolis, MD	GPO - $1.25