



EDISON WATER QUALITY RESEARCH DIVISION
NATIONAL ENVIRONMENTAL RESEARCH CENTER

Storm and Combined Sewer Pollution Control Program Reports

**Research, Development, and Demonstration Grant,
Contract, and In-House Project Reports**

January 1972



*REQUEST FORM FOR STORM AND COMBINED SEWER INFORMATION

44th
ANNUAL MEETING

New York Water Pollution Control
Association
New York Hilton Hotel
New York, New York
January 26-28, 1972

Name and address of Requester:

The following publications are requested:

ITEM	PUBLICATION NO. (if any)	TITLE
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*This request form should be submitted by mail or in person to:

Richard Field, Chief, Storm & Combined Sewer Branch
Edison Water Research Division
Environmental Protection Agency
Edison, New Jersey 08817

FOREWORD

The Project Reports System was established in July 1969 for the purpose of disseminating information concerning the advancement of water pollution control technology and knowledge. It serves the vital need to assemble and readily furnish reports of EPA-sponsored research and development grant, contract, and inhouse projects.

Collectively, these reports are called the Water Pollution Control Research Series and describe the results and progress in the control and abatement of pollution in our Nation's waters. They provide a central source of information on the research, development, and demonstration activities in the water research program of the Environmental Protection Agency, through inhouse research and grants and contracts with Federal, State, and local agencies, research institutions, and industrial organizations.

In order to disseminate these reports as widely as possible, numerous mailing lists are maintained for automatic distribution as rapidly as possible. These mailing lists are established on the basis of the water research program structure so that only reports of special interest can be furnished if desired. The reports are also placed on sale by the Superintendent of Documents, Government Printing Office, Washington, D.C., 20402, for a nominal price in order to make them available to other professionals and the general public. However, some reports are available only from the National Technical Information Services, Springfield, Virginia, as indicated. In addition, the Project Reports System issues periodic announcement sheets of newly released reports as soon after publication as possible in order to make them known and available.

Inquiries pertaining to the Water Pollution Control Research Reports should be directed to the Head, Project Reports System, Research Information Division, Publications Branch, Environmental Protection Agency, Washington, D.C. 20422, (703) 557-7706.

STORM AND COMBINED SEWER POLLUTION CONTROL

PROGRAM REPORTS

January, 1972

RESEARCH, DEVELOPMENT, AND DEMONSTRATION GRANT, CONTRACT, AND IN-HOUSE PROJECT REPORTS

<u>Report Number</u>	<u>Title/Author</u>	<u>Source*</u>
<u>A. 11000-General</u>		
10000---04/70	<u>Research, Development, and Demonstration Projects - Division of Applied Science and Technology; by FWQA, Washington, D.C.</u>	NTIS - PB 192 091
11000---01/70	<u>Storm and Combined Sewer Demonstration Projects - January 1970; by Storm and Combined Sewer Branch, Div. of Applied Science and Technology, FWQA, Wash., D.C.</u>	NTIS - PB 190 799
11010DUZ02/71	<u>Effect of Hypochlorite on Microbial Slimes; by Johns Hopkins Univer., Baltimore, Md.</u>	(Under review)
11010FMY10/70	<u>Engineering Feasibility Demonstration Study for Muskegon County, Michigan Wastewater Treatment-Irrigation System; by Muskegon County Board and Dept. of Public Works, Muskegon, Michigan</u>	GPO - \$1.50
11020---09/67	<u>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.</u>	NTIS - PB 201 745
	<u>Progress Report - Storm and Combined Pollution Control Program - September 1970; by Storm & Combined Sewer Overflow Section, Research & Development Branch, Edison Water Quality Laboratory, WQO, EPA, Edison, N.J.</u>	Storm & Combined Sewer Branch, USEPA, Edison, N.J. 08817

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- * Copies of these reports are available from the National Technical Information Services, Springfield, Virginia 22151, under the designated accession number or at the Superintendent of Documents, Government Printing Office, Washington, D.C. 20402 at the designated sale price. Checks should be made payable to and forwarded to the designated office from which the document is available. Paper copies from the National Technical Information Service are \$3.00 and \$6.00 (if over 2 years old) each and microfiche copies are 95¢ each. Documents on sale at the Government Printing Office are also available from the National Technical Information Service in microfiche copies only. Further inquiries concerning these reports should be directed to the Project Reports System, Office of Research and Monitoring, Environmental Protection Agency, Washington, D.C. 20242, Telephone 703-557-7706. There is one exception to the aforementioned, where source is listed as Storm & Combined Sewer Branch, USEPA, Edison, NJ 08817, report can be obtained directly from that office.

<u>Report Number</u>	<u>Title/Author</u>	<u>Source*</u>
<u>B. 11020-Combined Sewer Overflows</u>		
11020---12/67	<u>Problems of Combined Sewer Facilities and Overflows - 1967; by American Public Works Association</u>	GPO - \$1.00
11020---09/67	<u>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.</u>	NTIS - PB 201 745
11020---05/68	<u>Feasibility of a Stabilization-Retention Basin in Lake Erie at Cleveland, Ohio; by Havens and Emerson, Cleveland, Ohio</u>	NTIS - PB 195 083
11020---06/69	<u>Reduction in Infiltration by Zone Pumping; by Hoffman and Fiske</u>	NTIS - PB 187 868
11020---03/70	<u>Combined Sewer Overflow Seminar Papers; by Storm and Combined Sewer Pollution Control Branch, Division of Applied Science and Technology, FWQA, Washington, D.C.</u>	NTIS - PB 199 361
11020DES06/69	<u>Selected Urban Storm Water Runoff Abstracts; by the Franklin Institute, Phila., Pa.</u>	NTIS - PB 185 314
11020DGZ10/69	<u>Design of a Combined Sewer Fluidic Regulator; by Bowles Engineering Corp., Silver Sping, Md.</u>	NTIS - PB 188 914
11020DIG08/69	<u>Polymers for Sewer Flow Control; by The Western Co., Richardson, Texas</u>	NTIS - PB 185 951
11020DIH06/69	<u>Improved Sealants for Infiltration Control; by The Western Company, Richardson, Texas</u>	GPO - \$1.25
11020DN008/67	<u>Feasibility of a Periodic Flushing System for Combined Sewer Cleansing; by FMC Corp., Santa Clara, California</u>	NTIS - PB 195 223
11020ODN008/71	<u>A Flushing System for Combined Sewer Cleansing; by FMC Corp., Santa Clara, California</u>	(Under review)
11020DWF12/69	<u>Control of Pollution by Underwater Storage; by Underwater Storage, Inc., - Silver Schwartz, Ltd.</u>	GPO - \$1.75
11020EK010/69	<u>Combined Sewer Separation Using Pressure Sewers; by American Society of Civil Engrs., Cambridge, Mass.</u>	NTIS - PB 188 511
11020EXV07/69	<u>Strainer/Filter Treatment of Combined Sewer Overflows; by Fram Corp.</u>	NTIS - PB 185 949

<u>Report Number</u>	<u>Title/Author</u>	<u>Source*</u>
11020FAL03/71	<u>Evaluation of Storm Standby Tanks, Columbus Ohio; by Dodson, Kinney & Lindblom, Columbus, Ohio</u>	GPO - \$1.50
11020FAQ03/71	<u>Dispatching System for Control of Combined Sewer Losses; by Metro. Sewer Board, St. Paul, Minn.</u>	GPO - \$1.75
11020---10/69	<u>Crazed Resin Filtration of Combined Sewer Overflows; by Hercules, Inc.-Wilmington, Del.</u>	NTIS - PB 187 867
11020FKI01/70	<u>Dissolved-Air Flotation Treatment of Combined Sewer Overflows; by Rhodes Corp., Oklahoma City, Oklahoma</u>	NTIS - PB 189 775
11022DMU07/70	<u>Combined Sewer Regulator Overflow Facilities; by American Public Works Assoc., Chicago, Ill.</u>	GPO - \$1.50
11022DMU08/70	<u>Combined Sewer Regulation and Management - A Manual of Practice; by American Public Works Assoc., Chicago, Ill.</u>	GPO - \$1.50
11022DPP10/70	<u>Combined Sewer Temporary Underwater Storage Facility; by Melpar, Falls Church, Va.</u>	GPO - \$1.75
11022ECV09/71	<u>Underwater Storage of Combined Sewer Overflows; by Karl R. Rohrer Associates, Inc., Akron, Ohio</u>	(Under review)
11022EFF12/70	<u>Control of Infiltration and Inflow into Sewer Systems; by American Public Works Assoc., Chicago, Ill.</u>	GPO - \$1.25
11022EFF01/71	<u>Prevention and Correction of Excessive Infiltration and Inflow into Sewer Systems - A Manual of Practice; by American Public Works Assoc., Chicago, Ill.</u>	GPO - \$1.25
11023---08/70	<u>Retention Basin Control of Combined Sewer Overflows; by Springfield Sanitary District, Springfield, Ill.</u>	GPO - \$1.00
11023DPI08/69	<u>Rapid-Flow Filter for Sewer Overflows; by Rand Development Corp., Cleveland, Ohio</u>	NTIS - PB 194 032
11023DZF06/70	<u>Ultrasonic Filtration of Combined Sewer Overflows; by American Process Equipment Corp., Hawthorne, Ca.</u>	GPO - 60¢
11023EV006/70	<u>Microstraining and Disinfection of Combined Sewer Overflows; by Cochrane Div., Crane Co., King of Prussia, Pa.</u>	GPO - 70¢

<u>Report Number</u>	<u>Title/Author</u>	<u>Source*</u>
11023FDB09/70	<u>Chemical Treatment of Combined Sewer Overflows; by Dow Chemical Co., Midland, MI</u>	GPO - \$1.50
11023FDD03/70	<u>Rotary Vibratory Fine Screening of Combined Sewer Overflows; by Cornell, Howland, Hayes & Merryfield, Corvallis, OR</u>	GPO - \$1.00
11023FDD07/71	<u>Demonstration of Rotary Screening for Combined Sewer Overflows; by City of Portland Dept. of Public Works, Portland, Oregon</u>	GPO - 65¢
11023FIX08/70	<u>Conceptual Engineering Report-Kingman Lake Project; by Roy. F. Weston, West Chester, Pa.</u>	GPO - \$1.25
11024---06/70	<u>Combined Sewer Overflow Abatement Technology; by Storm and Combined Sewer Pollution Control Branch, Division of Applied Science and Technology, FWQA, Washington, D.C.</u>	GPO - \$2.50
11024D0C07/71	<u>Storm Water Management Model, Vol. I, Final Report; by Metcalf & Eddy Engineers, Palo Alto, CA</u>	GPO - \$2.75
11024D0C08/71	<u>Storm Water Management Model, Vol. II, Verification and Testing; by Metcalf & Eddy Engineers, Pal Alto, CA</u>	GPO - \$1.50
11024D0C09/71	<u>Storm Water Management Model, Vol. III, User's Manual; by Metcalf & Eddy Engineers, Palo Alto, CA</u>	GPO - \$2.75
11024D0C10/71	<u>Storm Water Management Model, Vol. IV, Program Listing; by Metcalf & Eddy Engineers Palo Alto, CA</u>	GPO - \$2.00
11024D0K02/70	<u>Proposed Combined Sewer Control by Electrode Potential; by Merrimack College, Andover, Pa.</u>	NTIS - PB 195 169
11024DMS05/70	<u>Engineering Investigation of Sewer Overflow Problems; by Hayes, Seay, Mattern and Mattern, Roanoke, Va.</u>	GPO - \$2.00
11024DQU10/70	<u>Urban Runoff Characteristics; by Univ. of Cincinnati, Cincinnati, Ohio</u>	GPO - \$2.75
11024EJC07/70	<u>Selected Urban Storm Water Runoff Abstracts, July 1968-June 1970; by the Franklin Institute Research Laboratories, Philadelphia, Pa.</u>	GPO - \$2.75
11024EJC10/70	<u>Selected Urban Storm Water Runoff Abstracts - First Quarterly Issue; by the Franklin Institute Research Laboratories, Philadelphia, Pa.</u>	GPO - 50¢

<u>Report Number</u>	<u>Title/Author</u>	<u>Source*</u>
11024EJC01/71	<u>Selected Urban Storm Water Runoff Abstracts, Second Quarterly Issue; by the Franklin Institute Research Laboratories, Philadelphia, Pa.</u>	GPO - 60¢
11024ELB01/71	<u>Storm and Combined Sewer Pollution Sources and Abatement, Atlanta, Ga.; by Black, Crow and Eidsness, Inc., Atlanta, Ga.</u>	NTIS - PB 201 725
11024EQE06/71	<u>Impregnation of Concrete Pipe; by Southwest Research Insti., San Antonio, Texas</u>	GPO - 75¢
11024EQG03/71	<u>Storm Water Problems and Control in Sanitary Sewers, Oakland and Berkeley, Calif.; by Metcalf & Eddy Engrs., Palo Alto, CA</u>	GPO - \$4.00
11024EXF08/70	<u>Combined Sewer Overflow Abatement Alternatives, Washington, D.C.; by Roy F. Weston, Inc., West Chester, PA</u>	GPO - \$2.00
11024FJE04/71	<u>Selected Urban Storm Water Runoff Abstracts - Third Quarterly Issue; by Franklin Institute Research Laboratories, Philadelphia, Pa.</u>	GPO - 75¢
11024FJE07/71	<u>Selected Urban Storm Water Runoff Abstracts - July 1970 - June 1971; by the Franklin Institute Research Lab., Philadelphia, Pa.</u>	GPO - \$1.50
11024FKJ10/70	<u>In-Sewer Fixed Screening of Combined Sewer Overflows; by Envirogenics Co., Div. of Aerojet-General Corp., El Monte, CA</u>	GPO - \$1.25
11024FKN11/69	<u>Stream Pollution and Abatement from Combined Sewer Overflows, Bucyrus, Ohio; by Burgess and Niple, Ltd., Columbus, Ohio</u>	GPO - \$2.00
11024FKM12/71	<u>Urban Storm Runoff and Combined Sewer Overflow Pollution; by Environgenics Co., Div. of Aerojet-General Corp., El Monte, Ca.</u>	GPO - \$1.75
11024FLY06/71	<u>Heat Shrinkable Tubing as Sewer Pipe Joints; by The Western Co. of No. America, Richardson, Texas</u>	GPO - \$1.25

C. 11030-Stormwater Discharges

11030DNK08/68	<u>The Beneficial Use of Storm Water; by Hittman Assoc., Inc., Baltimore, Md.</u>	NTIS PB 195 160
11030DNS01/69	<u>Water Pollution Aspects of Urban Runoff; by American Public Works Assoc., Chicago, Ill.</u>	GPO - \$1.50
11034FKL07/70	<u>Storm Water Pollution from Urban Land Activity; by AVCO Economic Systems Corp., Washington, DC</u>	GPO - \$2.50

<u>Report Number</u>	<u>Title/Author</u>	<u>Source*</u>
11034FLU06/71	<u>Hydraulics of Long Vertical Conduits and Associated Cavitation; by Univ. of Minnesota, Minneapolis, Minnesota</u>	GPO - 60¢
	<u>D. 11040-Non-Sewered Runoff</u>	
11040GKK06/71	<u>Environmental Impact of Highway Deicing; by Edison Water Quality Lab, USEPA, Edison, NJ</u>	GPO - \$1.25
	<u>E. 15030-Control of Pollution from Construction</u>	
15030DTL05/70	<u>Urban Soil Erosion and Sediment Control; by National Assoc. of Counties Research Foundation, Washington, D.C.</u>	GPO - \$1.00