





## State of New Jersey

James E. McGreevey  
Governor

Department of Environmental Protection  
Bureau of Nonpoint Pollution Control  
Division of Water Quality  
P.O. Box 029  
Trenton, N.J. 08625-0029  
Tel: 609-633-7021, 292-0407  
FAX: 609-984-2147  
[www.state.nj.us/dep/dwq/nonpoint.htm](http://www.state.nj.us/dep/dwq/nonpoint.htm)

Bradley M. Campbell  
Commissioner

03/25/2004

Mr. Anthony Debarros  
NEWARK CITY  
920 BROAD ST  
Newark, NJ 07102

Re: R9 -Tier A Municipal Stormwater General Permit  
NJPDES: NJG0151076 / PI ID #: 46675  
NEWARK CITY  
Essex County

Dear Mr. Debarros:

Enclosed please find your municipality's Authorization to Discharge (Authorization) under the New Jersey Pollutant Discharge Elimination System (NJPDES) Tier A Municipal Stormwater General Permit NJ0141852 (Tier A Permit), and a copy of the final permit. The "Effective Date" on the enclosed Authorization, 04/01/2004, is your municipality's "Effective Date of Permit Authorization" (EDPA) under this final permit. The implementation schedules contained in the final permit are based on your municipality's EDPA.

A unique NJPDES permit number NJG0151076 has been assigned for your municipality's authorization under the Tier A Permit. In any future correspondence or inquiries, please use or refer to that NJPDES permit number.

**BAA000008**

The enclosed final permit includes some technical corrections and changes to the advance copy that the Department of Environmental Protection (Department) mailed to your municipality in late January. Please replace the advance copy with the official final permit contained in this mailing. Also enclosed with this mailing is a summary of these technical corrections and changes.

A compact disk (CD) that contains guidance for the Tier A Permit and the informational brochure for the Local Public Education Program will be mailed to you under separate cover. The guidance will have blank and completed example Stormwater Pollution Prevention Plan (SPPP) forms to assist your municipality in preparing its SPPP. The CD will also contain other guidance including courtesy copies of the amended NJPDES Stormwater rules (N.J.A.C. 7:14A) and Stormwater Management rules (N.J.A.C. 7:8), model ordinances, the New Jersey Stormwater Best Management Practices Manual, and additional educational materials supplied by the Department's Division of Watershed Management.

## Summary of Technical Corrections and Changes to Advance Copy of Final Tier A Municipal Stormwater General Permit

**Part I, Section A.2.c:** Inserted "*After the Effective Date of Permit Authorization (EDPA)*," before "the permit authorizes the following new and existing non-stormwater discharges ..."

**Part I, Section E.2.a.i:** Changed "authorized representative of the Tier A Municipality" to "*Municipal Stormwater Program Coordinator*."

**Part I, Section F.4.b.i:** Changed "all storm drains within plazas ..." to "all storm *drain inlets* within plazas ..."

**Part I, Section F.6.a.i:** Rearranged and revised the last three sentences to read as follows: "*The outfall pipes shall be mapped on either a tax map prepared in accordance with Title 18, Chapter 23A of the New Jersey Administrative Code or on another map drawn to equal or larger (more detailed) scale. A municipality regulated under the Sewage Infrastructure Improvement Act (SIIA) regulations (N.J.A.C. 7:22A) may use a preliminary or final map prepared pursuant to those regulations. The Tier A Municipality shall submit a copy of its outfall pipe map to the Department upon request.*"

**Part I, Section F.7.b.i:** Changed "refer to 'Conditions Where Standard Does Not Apply' in Attachment C" to "refer to '*Exemptions*' in Attachment C."

**Part I, Section J.2.a:** Inserted "*the New Jersey Register of Historic Places Rules (N.J.A.C. 7:4)*," before "and all other Department rules."

**Attachment B, Procedures for Detecting, Investigating, and Eliminating Illicit Connections, Detection:** In the first sentence, changed "a municipal separate storm sewer system" to "*the Tier A Municipality's small MS4*," and changed "the NJPDES permit for discharges from that system" to "*this Tier A Municipal Stormwater General Permit*."

**Attachment B, Procedures for Detecting, Investigating, and Eliminating Illicit Connections, Investigation:** In the last paragraph, changed "Illicit Connection Report form" to "Illicit Connection *Inspection* Report form," and changed "three (3) separate investigations where made" to "three (3) separate investigations *were* made."

**Attachment C, Design Standard - Storm Drain Inlets, Exemptions:** Added the following exemption:

"*Historic Places Exemption*"

"*Where the Department determines, pursuant to the New Jersey Register of Historic Places Rules at N.J.A.C. 7:4-7.2(c), that action to meet this standard is an undertaking that constitutes an encroachment or will damage or destroy the New Jersey Register listed historic property.*"

**Attachment D, Required Practices For Fueling Operations, Vehicle Maintenance, and Good Housekeeping SBRs, Section A.2.c:** Changed to read: "*Clearly post, in a prominent area of the facility, instructions for safe operation of fueling equipment, and appropriate contact information for the person(s) responsible for spill response.*"



Bureau of Nonpoint Pollution Control  
Division of Water Quality  
PO Box 029  
Trenton, NJ 08625-0029  
Phone: (609) 633-7021  
Fax: (609) 984-2147

**AUTHORIZATION TO DISCHARGE**  
**R9 -Tier A Municipal Stormwater General Permit**

**Facility Name:**  
NEWARK CITY

**PI ID #:**  
46675

**Facility Address:**  
CITY HALL ROOM B31F  
920 BROAD ST  
NEWARK, NJ 07102-0000

**NJPDES #:** NJG0151076

**Type of Activity:** Stormwater Discharge General Permit Authorization New

**Owner:**  
NEWARK CITY  
920 BROAD ST  
NEWARK, NJ 07102

**Operating Entity:**  
NEWARK CITY  
920 BROAD ST  
NEWARK, NJ 07102

**Issuance Date:**  
03/25/2004

**Effective Date:**  
04/01/2004

**Expiration Date:**  
02/28/2009

Your Request for Authorization under NJPDES General Permit No. NJ0141852 has been approved by the New Jersey Department of Environmental Protection.

**Date:** 03/25/2004

Barry Chalofsky, P.P., Chief  
Bureau of Nonpoint Pollution Control  
Division of Water Quality  
New Jersey Department of Environmental Protection





4675  
N56415/076

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL  
PROTECTION  
DIVISION OF WATER QUALITY

NEW JERSEY POLLUTANT DISCHARGE ELIMINATION SYSTEM  
REQUEST FOR AUTHORIZATION

Tier A Municipal Stormwater General Permit  
NJ0141852

Refer to Instructions and the appropriate Completeness Checklist and provide all applicable information. Please Print or Type.  
(Attach additional sheets if necessary)

1. Municipality Information

Name of Municipality City of Newark County Essex  
Mailing Address 920 Broad Street  
City or Town Newark State N.J. Zip Code 07102  
Name and/or Title of Stormwater Program Coordinator Anthony DeBarros/Mgr. Sewer & Water Supply  
Mailing Address (if different from above) 1294 McBride Avenue  
City or Town Little Falls State N.J. Zip Code 07424  
Telephone (973) 256-4965 FAX (973) 256-7383 E-Mail debarros a @ ci. newark.nj.us

2004  
3/5/04

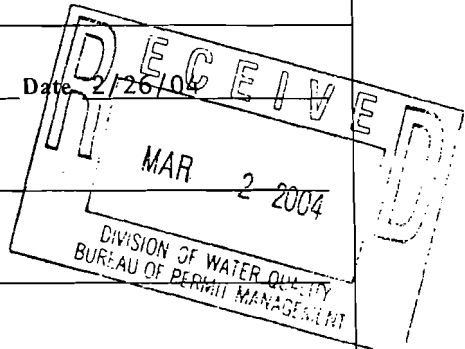
2. RFA Certification

I certify under penalty of law that this Request for Authorization and all attached documents were prepared under my direction and supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. As far as I know, the municipality submitting this RFA may be eligible for authorization under Part I, Section A.2.

I certify that I am aware that the Tier A Municipal Stormwater General Permit requires that the municipality develop, implement, and enforce a stormwater program. I acknowledge that this stormwater program must include the implementation of Best Management Practices, measurable goals and implementation schedules as specified in the Statewide Basic Requirements (SBRs) that are listed in the permit.

I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for purposely, knowingly, recklessly, or negligently submitting false information.

Signature for Applicant [Signature]  
Print or Type Name Anthony DeBarros **BAA000009**  
Print or Type Title Manager-Division of Sewers & Water Supply





New Jersey Department of Environmental Protection - Division of Water Quality

## REQUEST FOR AUTHORIZATION (RFA) CHECKLIST UNDER MUNICIPAL STORMWATER GENERAL PERMITS

Category R9 - Tier A Municipal Stormwater General Permit  
Category R10 - Tier B Municipal Stormwater General Permit  
Category R11 - Public Complex Stormwater General Permit  
Category R12 - Highway Agency Stormwater General Permit

### TO HELP US PROCESS YOUR RFA MORE EFFICIENTLY, PLEASE PROVIDE ALL ITEMS LISTED BELOW.

This checklist is provided to you as guidance for completing a Request for Authorization (RFA) under:

- NJPDES permit NJ0141852 (Tier A Municipal Stormwater General Permit);
- NJPDES permit NJ0141861 (Tier B Municipal Stormwater General Permit);
- NJPDES permit NJ0141879 (Public Complex Stormwater General Permit);
- NJPDES permit NJ0141887 (Highway Agency Stormwater General Permit)

Should you have any questions, please contact the Bureau of Nonpoint Pollution Control at (609) 633-7021. Please read all instructions and answer all questions when filling out the following RFA forms. If an item is not applicable, enter "N/A" or a similarly appropriate response.

- ☐ **APPROPRIATE RFA FORM** (Each municipal stormwater general permit has its own RFA form) Instructions are provided with the form.
- ☐ **USGS TOPOGRAPHICAL MAP** (Public Complex *only*) The map should be an 8.5" x 11" copy of a portion of the US Geological Survey topographic map, 7.5 minute quadrangle series. The Public Complex must have its boundaries marked distinctly on the map. Also, the name of the specific quadrangle(s) must be indicated on the face of the map.
- ☐ **HIGHWAY AGENCY INVENTORY** (Highway Agency *only*) A Highway Agency *must* provide a list of the locations of any maintenance facilities, service stations, or rest stops on property owned or operated by the Highway Agency.
- ☐ **HIGHWAY AGENCY MAP** (Highway Agency *only*) If a Highway Agency is submitting an RFA for a smaller region then a map must be included identifying that region.

### COMPLETE AND SUBMIT THE ORIGINAL RFA FORM TO:

New Jersey Department of Environmental Protection  
Division of Water Quality  
Bureau of Permit Management  
Attn: Administrative Review Unit  
P.O. Box 029  
Trenton, New Jersey 08625-0029





State of New Jersey

DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DIVISION OF WATER RESOURCES

CN 029

TRENTON, NEW JERSEY 08625

George G. McCann, P.E.  
Acting Director

WATER QUALITY MANAGEMENT ELEMENT

DIRK C. HOFMAN, P.E.  
DEPUTY DIRECTOR

MAY 16 1986

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

Mr. Elton E. Hill, Administrator  
City of Newark  
920 Broad Street  
Newark, New Jersey 07102

*Newark Dept. of  
Public Works*

Re: NJPDES Permit No. NJ0024724  
Effective Date: July 1, 1986

Dear Mr. Hill:

Enclosed is the final NJPDES/Discharge to Surface Water Permit to discharge pollutants to the Passaic River, Second River, Newark Bay, and Peripheral Ditch, all of which are classified as SE-3 waters except for Peripheral Ditch which is classified as SE-2 water, issued in accordance with the New Jersey Pollutant Discharge Elimination System Regulations, N.J.A.C. 7:14A-1 et seq. Violation of any condition of this permit may subject you to significant penalties.

Please note, Part I, Section 18 has been revised to reflect current regulations.

Within 30 calendar days following your receipt of this permit, under N.J.A.C. 7:14A-8.6 you may submit a request to the Administrator for an adjudicatory hearing to reconsider or contest the conditions of this permit. Regulations regarding the format and requirements for requesting an adjudicatory hearing may be found in N.J.A.C. 7:14A-8.9 through 8.13. The request should be made to:

Administrator  
Water Quality Management Element  
Division of Water Resources  
CN-029  
Trenton, NJ 08625

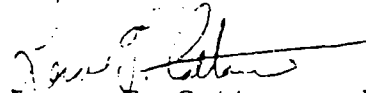
BAB000004

Application for renewal of this permit must be submitted at least

180 days prior to expiration of this permit pursuant to N.J.A.C.  
7:14A-2.1(f)5.

If you have any questions on this action, please contact Mr.  
Ashish K. Desai at (609) 984-4429.

Sincerely,



Leroy T. Cattaneo, P.E., P.P.  
Chief

Bureau of Municipal Waste Management

AD:kk

CHECKLIST OF PARTS AND MODULES COMPRISING THIS NJPDES PERMIT

1. Cover Page
2. Checklist
3. Part I (General Conditions for All NJPDES Discharge Permits)
4. Part II - Additional General Conditions for the types of NJPDES Permits checked as follows:

☒ Part II - A (Municipal/Sanitary)  
☐ Part II - E/C (Industrial/Commercial/Thermal)  
☐ Part II - L (SIU)  
☐ Part II - IWMF (Industrial Waste Management Facility)  
☐ Part II - DGM Specify type(s): \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

5. Part III - Effluent Limitations and Monitoring Requirements

☒ Part III - A  
☐ Part III - B/C  
☐ Part III - L  
☐ Part III - DGM Specify type(s): \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

6. Part IV - Special Conditions

☒ Part IV - A  
☐ Part IV - B/C  
☐ Part IV - L  
☐ Part IV - IWMF  
☐ Part IV - DGM Specify type(s): \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



PERMIT

The New Jersey Department of Environmental Protection grants this permit in accordance with your application, attachments accompanying same application, and applicable laws and regulations. This permit is also subject to the further conditions and stipulations enumerated in the supporting documents which are agreed to by the permittee upon acceptance of the permit.

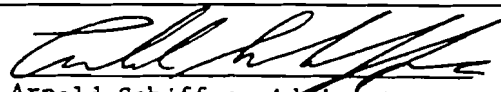
Permit No. NJ0024724	Issuance Date May 8, 1986	Effective Date July 1, 1986	Expiration Date June 30, 1991
Name and Address of Applicant City of Newark Dept. of Public Works 926, Broad Street Newark, N.J. 07102	Location of Activity/Facility City of Newark Dept. of Public Works 926, Broad Street Newark, N.J. 07102	Name and Address of Owner SAME AS APPLICANT	
Issuing Division Water Resources	Type of Permit Municipal/Sanitary	Statute(s) 58:10A-1 et seq.	Application No. NJ0024724

This permit grants permission to:

The applicant to discharge pollutants (from the combined sewer system) into the Passaic River, Second River, Newark Bay, and Peripheral Ditch, all of which are classified as SE-3 waters, except for Peripheral Ditch which is classified as SE-2 water, in compliance with the provisions of the (Federal) Clean Water Act and the New Jersey Water Pollution Control Act subject to the general conditions on reverse and the conditions set forth in this permit.

This permit is issued pursuant to the provisions of the Regulations Concerning the New Jersey Pollutant Discharge Elimination System (N.J.A.C. 7:14A-1).

Approved by the Department of Environmental Protection  
By Authority of  
John W. Gaston, Jr., P.E., Director  
Division of Water Resources

  
Arnold Schiffman Administrator  
Water Quality Management

DATE

\* The word permit means "approval, certification, registration, etc."

(GENERAL CONDITIONS ARE ON THE REVERSE SIDE.)



ADDITIONAL GENERAL CONDITIONS FOR NJPDES/DSW PERMITS  
FROM MUNICIPAL (SANITARY) DISCHARGES

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1. ADDITIONAL DEFINITIONS

- A. "Average monthly discharge limitation" means the highest allowable average of "daily discharges" over a calendar month or any 30 consecutive days, calculated as the sum of all daily discharges measured during a calendar month or any 30 consecutive days, divided by the number of daily discharges measured during that month (DMR's shall be calculated based on a calendar month basis.)
- B. "Average weekly discharge limitation" means the highest allowable average of "daily discharges" over a calendar week or any seven consecutive days, calculated as the sum of all daily discharges measured during a calendar week or any seven consecutive days, divided by the number of daily discharges measured during that week. (DMR's shall be calculated based on a calendar week basis.)
- C. "Daily discharge" means the "discharge of a pollutant" measured during a calendar day or any 24-hour period that reasonably represents the calendar day for purposes of sampling. For pollutants with limitations expressed in units of mass, the "daily discharge" is calculated as the total mass of the pollutant discharged over the day. For pollutants with limitations expressed in other units of measurement, the "daily discharge" is calculated as the average measurement of the pollutant over the day. (For purposes of sampling, "daily discharge" means an operating day or 24-hour period.)
- D. "Gross" means the weight or the concentration contained in the discharge. (Unless a limitation is specified as a net limitation, the limitation contained in this permit is a gross limitation.)
- E. "Maximum daily discharge limitation" means the highest allowable "daily discharge."
- F. "Net" means the amount of pollutant contained in the discharge measured in appropriate units as specified herein, less the amount of a pollutant contained in the surface water body intake source, measured in the same units, over the same period of time, provided:
  - (1) The intake water source must be drawn from the same body of water into which the discharge is made; and
  - (2) In cases where the surface water body intake source is pretreated for removal of pollutants, the intake level of a pollutant to be used in calculating the net is that level contained after the pretreatment steps.

2. DISCHARGE MONITORING REPORTS

In addition to the discharge monitoring report submitted to the NJDEP in accordance with paragraph 11.I.(1) in Part I of this permit, the permittee shall also submit a duplicate signed copy of these, and all other reports required herein, to the Regional Administrator and the DRBC at the following addresses:

Regional Administrator  
Region II  
U.S. Environmental Protection Agency  
26 Federal Plaza  
New York, New York 10278  
ATTN: Permits Administration Branch - Room 432

3. FLOW MEASUREMENTS

Appropriate flow measurement devices and methods consistent with accepted scientific practices shall be selected and used to insure the accuracy and reliability of measurements of the volume of monitored discharges. The devices shall be installed, calibrated and maintained to insure that the accuracy of the measurements are consistent with the accepted capability of that type of device. Devices selected shall be capable of measuring flows with a maximum deviation of less than  $\pm 10\%$  from true discharge rates throughout the range of expected discharge volumes. Guidance in selection, installation, calibration and operation of acceptable flow measurement devices can be obtained from the following references:

- A. "A Guide to Methods and Standards for the Measurement of Water Flow," U.S. Department of Commerce, National Bureau of Standards, NBS Special Publication 421, May 1975, 97 pp. (Available from the U.S. Government Printing Office, Washington, D.C. 20402. Order by SD catalog No. C13.10:421).
- B. "Water Measurement Manual," U.S. Department of Interior, Bureau of Reclamation, Second Edition, Revised Reprint, 1974, 327 pp. (Available from the U.S. Government Printing Office, Washington, D.C. 20402. Order by Catalog No. 127.19/2:W29/2, Stock No. S/N 24003-0027.)
- C. "Flow Measurement in Open Channels and Closed Conduits, U.S. Department of Commerce, National Bureau of Standards, NBS Special Publication 484, October 1977, 982 pp. (Available in paper copy or microfiche from National Technical Information Service (NTIS), Springfield, VA 22151. Order by NTIS No. PB-273 535/5ST.)
- D. "NPDES Compliance Sampling Manual," U.S. Environmental Protection Agency, Office of Water Enforcement, Publication MCD-51, 1977, 140 pp. (Available from the General Services Administration (GSA), Centralized Mailing Lists Services, Building 41, Denver Federal Center, Denver CO 80225).

4. PROHIBITED DISCHARGE STANDARDS

- A. Pursuant to Section 307 of the Federal Act and regulations promulgated thereunder at 40 CFP 403.5, the permittee shall under no circumstances allow the introduction of the following pollutants into the POTW (publicly-owned treatment works):
  - (1) Pollutants which create a fire or explosion hazard in the POTW;
  - (2) Pollutants which will cause corrosive structural damage to the POTW, but in no case discharges with pH lower than 5.0, unless the works is specifically designed to accommodate such discharges;
  - (3) Solid or viscous pollutants in amounts which will cause obstruction to the flow in sewers, or other interference with the operation of the POTW;
  - (4) Any pollutant, including oxygen demanding pollutants (BOD, etc.), released in a discharge of such volume or strength as to cause interference in the POTW; and
  - (5) Heat in amounts which will inhibit biological activity in the POTW resulting in interference, but in no case heat in such quantities that the temperature at the treatment works influent exceeds 40°C (104°F) unless the works is designed to accommodate such heat.
- B. The permittee shall under no circumstances allow the introduction of radioactive wastes except in conformance with N.J.A.C. 7:28-11.2 (Disposal of Radioactive Materials - Disposal by release into sanitary sewerage systems).
- C. Compliance with the prohibited discharge standards of subsections A. and B. above is required immediately.

EFFLUENT LIMITATIONS FOR NJPDES/DSW PERMITS FOR  
MUNICIPAL (SANITARY) DISCHARGES FROM COMBINED SEWER OVEPFLOWS

1. DESCRIPTION OF COLLECTION SYSTEM

The City of Newark presently conveys domestic and industrial wastewater to the Passaic Valley Sewerage Commissioner (PVSC) regional sewage treatment facilities. However, during but not limited to periods of wet weather, overflows from the permittee's combined sewer system have been recorded.

2. EFFLUENT LIMITATIONS

A. Final Effluent Limitations. The permittee shall not discharge pollutants from any location(s) which are not specifically authorized by a valid NJPDES Permit. The authorized discharge locations are shown in Table III-A-1.

- (1) Beginning on the effective date of this permit and lasting until the expiration date of this permit, the permittee shall discharge so as to not violate the Surface Water Quality Standards for the receiving waters shown below.

<u>Discharge No.</u>	<u>Receiving Waters</u>	<u>Classification</u>
001	Second River	SE-3
002-022	Passaic River	SE-3
023-029	Newark Bay	SE-3
030	Peripheral Ditch	SE-2

- (2) Beginning on the effective date of this permit and lasting until the expiration date of this permit, the permittee shall discharge so as to not violate the Interstate Sanitation Commission (I.S.C.) Water Quality Regulations.

3. LOCATION OF DISCHARGES

Table III-A-1 lists the number, name, receiving waters and location of each discharge within the combined sewer system.

The previous permit identified 29 discharge locations. An additional discharge, No. 030, located at the end of Avenue A has been included in this renewal permit.

TABLE III-A-1

<u>Discharge Serial Number and Name of Facility</u>	<u>Discharge Location, Receiving Waters and U.S.G.S. Coordinates</u>
001 Meadowbrook Storm/Overflow Sewer	600 feet east of Franklin Ave. Bridge Second River 40° 47' 16"-N; 74° 10' 15"-W
002 Verona Avenue Overflow	Foot of Verona Avenue Passaic River 40° 46' 35"-N 74° 09' 06"-W
003 Delavan Avenue Overflow	Foot of Delavan Avenue Passaic River 40° 46' 35"-N 74° 09' 06"-W
004 Herbert Place Overflow North Outfall	Foot of Herbert Place Passaic River 40° 45' 55"-N 74° 09' 35"-W
005 Herbert Place Overflow South Outfall	Foot of Herbert Place Passaic River 40° 45' 55"-N 74° 09' 35"-W
006 Overflow North of Oriental Street	1000 feet north of Third Ave. Passaic River 40° 45' 36"-N 74° 09' 51"-W
007 Third Avenue Overflow	Foot of Third Avenue Passaic River 40° 45' 28"-N 74° 09' 55"-W
008 Fourth Avenue Overflow	Foot of Fourth Avenue Passaic River 40° 45' 22"-N 74° 09' 56"-W
009 Clay Street Overflow North Outfall	Foot of Clay Street Passaic River 40° 45' 03"-N; 74° 09' 58"-W
010 Clay Street Overflow South Outfall	Foot of Clay Street Passaic River 40° 45' 03"-N 74° 09' 58"-W
011 Orange Street Overflow	Foot of Orange Street Passaic River 40° 44' 47"-N 74° 10' 01"-W

012 Bridge Street Overflow	Foot of Bridge Street Passaic River 40° 44'41"-N 74° 10'00"-W
013 Rector Street Overflow	Foot of Rector Street Passaic River 40° 44'29"-N 74° 09'56"-W
014 Saybrook Place Overflow	Foot of Saybrook Place Passaic River 40° 44'26"-N 74° 09'55"-W
015 McCarter Highway Overflow c. 110' N	Foot of Raymond Plaza-East Passaic River 40° 44'07"-N 74° 09'44"-W
016 Raymond Boulevard Jackson Street Overflow	Foot of Jackson Street Passaic River 40° 43'59"-N 74° 09'19"-W
017 Polk Street Overflow	Foot of Polk Street Passaic River 40° 43'59"-N 74° 09'13"-W
018 Freeman Street Overflow	Foot of Freeman Street Passaic River 40° 44'02"-N 74° 08'47"-W
019 Brown Street Storm Sewer	Foot of Brown Street Passaic River 40° 43'56"-N 74° 08'08"-W
020 Lockwood Street Storm Sewer	Foot of Lockwood Street Passaic River 40° 43'58"-N 74° 07'51"-W
021 Blanchard Street Storm Sewer	Foot of Blanchard Street Passaic River 40° 43'58"-N 74° 07'42"-W
022 Roanoke Avenue Overflow	Foot of Roanoke Avenue Passaic River 40° 43'35"-N 74° 07'17"-W
023 Adams Overflow	1000 feet east of deadend along Frontage Road Newark Bay 40° 42'42"-N; 74° 10'16"-W
024 Wheeler Overflow	Foot of Avenue "B" Newark Bay 40° 42'47"-N 74° 10'44"-W

025 Peddie Overflow	Foot of Peddie Steet Newark Bay 40° 42'38"-N 74° 11'14"-W
026 Queen Overflow	Foot of International Way Newark Bay 40° 42'19"-N 74° 11'15"-W
027 Waverly Overflow	900 feet north of the McClellan Street Overpass on east side of U.S. 1 and 9 Newark Bay 40° 41'26"-N 74° 11'30"-W
028 Haynes Avenue Combined Overflow	U.S. 1 and 9 at Peddie Ditch Newark Bay 40° 42'22"-N 74° 10'57"-W
029 Waverly (Secondary) Overflow	900 feet north of the McClellan Street Overpass on east side of U.S. 1 and 9: Newark Bay 40° 41'26"-N 74° 11'30"-W
030 Avenue A	South end of Avenue A

SPECIAL CONDITIONS FOR NJPDES/DSW PERMITS  
FOR MUNICIPAL (SANITARY) DISCHARGES FROM  
COMBINED SEWER OVERFLOWS

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1. Special Conditions for Combined Sewer Overflows

- A. The permittee shall comply with the provisions of the Northeast New Jersey Water Quality Management Plan, developed in accordance with Section 208 of the Federal Act. This permit will be reviewed at such time as the Northeast New Jersey Water Quality Management Plan, or applicable portion(s) thereof, are revised and the appropriate modifications to the permit may be made at that time.
- B. The permittee shall comply with the Facilities Plan which has been developed by the Passaic Valley Sewerage Commission and adopted in accordance with Section 201 of the Federal Act.
- C. The permittee shall operate the sewer system to minimize the discharge of pollutants from combined sewer overflows.
- D. No new sources of storm-water inflow shall be connected to any separate sanitary sewers in the sewer system.
- E. The permittee shall conduct inspections of the regulator structures within the combined sewer system as specified in the compliance schedule of this permit, Part IV-A, Section 2.
- F. The permittee shall alleviate the discharge of pollutants from the combined sewer overflows by implementing the actions outlined in the compliance schedule of this permit, Part IV-A, Section 2.
- G. The operation of the permittee's wastewater collection system shall be under the supervision of a licensed operator who meets the NJPDEP's requirements for the C-4 classification as contained in the changes to N.J.A.C. 7:10-13.1 et seq. which became effective July 2, 1984.

2. Compliance Schedule

- A. The permittee shall achieve compliance with the requirement specified in this permit in accordance with the following schedule:

Compliance Action

Date

- (1) The permittee shall conduct inspections of the regulator structures within the combined sewer system. As a result of these inspections reports shall be generated which discuss the findings of the inspections and contain as a minimum the following information:

- (a) A description of all the existing problems with the regulator structures including the actions taken and/or proposed to be taken to eliminate these problems.
- (b) The dates by which the existing problems will be eliminated.
- (c) A description of any factors which tend to explain or mitigate any delays in eliminating the existing problems.

Inspection reports shall be prepared on the following due dates and be submitted within 14 days thereafter.

9/1/86 and every  
3 months there-  
after

- (2) The permittee shall conduct a study and submit a report on the combined sewer overflow from discharge Nos. 001-029. As a minimum the report shall include the following:

- i. Description of the overflow problem including but not limited to a description of



the conditions which result in the discharge of overflow as well as the duration, flow rate, frequency, and volume of such discharges. In addition, the concentration of pollutants in the discharge, including but not limited to BOD5 and Suspended Solids, shall be provided.

- ii. Different alternatives considered to minimize the discharges of pollutants from the combined sewer overflow. The final plan shall be selected on the basis of a cost-benefit analysis of the different alternatives and as a minimum shall result in the elimination of dry weather discharge. The complete report shall be certified by a Professional Engineer and submitted on or before 4/1/87
- (3) Upon approval of the report by NJDEP, the permittee shall submit complete and acceptable final plans and specifications in order to implement the selected plan, on or before 8/1/87
- (4) The permittee shall implement the above selected plan eliminating plan on or before 7/1/88
- (5) The permittee may be further required to minimize the wet weather overflow at a later date.
- (6) The permittee shall conduct a study and submit a report on the discharge of pollutants from discharge No. 030 located at the end of Avenue A. As a minimum, the report shall include the following:

- i. Description of the discharge including but not limited to a description of the conditions which result in the discharge of pollutants as well as the duration, flow rate, frequency, and volume of such discharges. In addition, the concentration of pollutants in the discharge, including but not limited to BOD5 and suspended solids, shall be provided.
- ii. Different alternatives considered to eliminate the discharge of pollutants from the discharge point located at the end of Avenue A. The final plan selected to eliminate the discharge from Avenue A shall be discussed in detail. The complete report shall be certified by a Professional Engineer and submitted on or before 1/1/87
- iii. Upon approval of the report by NJDEP, the permittee shall submit complete and acceptable final plans and specifications in order to implement the selected plan on or before 4/1/87
- iv. The permittee shall implement the above selected plan eliminating the discharge from Avenue A, on or before 9/1/87

#### Progress Reports

- (7) The permittee shall submit reports to the State Director and to the Regional Administrator (at the address indicated in this permit) detailing the progress being made toward completion of the necessary compliance actions by the due dates indicated above. As a minimum these

reports shall contain the following information:

- (a) Actions taken to complete the compliance actions by the due dates.
- (b) Actions still needed to complete the compliance actions by the due dates.
- (c) Whether the progress made to date is on, ahead of, or behind the schedule necessary to assure compliance with the due dates. If the project is behind schedule, the report shall include the following information:
  - (1) A description of how much the project is behind schedule.
  - (2) A description of why the project is behind schedule.
  - (3) A description of any actions taken and/or proposed to be taken to put the project back on schedule to meet the due date.
  - (4) A description of any actions taken and/or proposed to be taken to prevent and control further delay.
  - (5) A description of any factors which tend to explain or mitigate the delay.
  - (6) An estimate of the date by which the delay will be made up and the probability that the project will remain on schedule thereafter.

Progress reports shall be prepared on the following due dates and be submitted within 14 days thereafter

9/1/86 and  
every 6  
months  
thereafter  
until the  
above actions  
are  
completed.

B. The permittee shall submit to the NJDEP and USEPA the required document(s) where a specific action is required in A. above to be taken by a certain date, and a written notice of compliance or noncompliance with the above schedule date, postmarked no later than 14 days following each elapsed date. Each notice of noncompliance shall include the following information:

- (1) A short description of the noncompliance;
- (2) A description of any actions taken or proposed by the permittee to comply with the elapsed schedule requirement without further delay;
- (3) A description of any factors which tend to explain or mitigate the noncompliance; and
- (4) An estimate of the date the permittee will comply with the elapsed schedule requirement and an assessment of the probability that the permittee will meet the next scheduled requirement on time.

STATE OF NEW JERSEY  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DIVISION OF WATER RESOURCES

GENERAL CONDITIONS FOR ALL NJPDES DISCHARGE PERMITS

1. Duty to Comply

- A. The permittee shall comply with all conditions of this New Jersey Pollutant Discharge Elimination System (NJPDES) permit. No pollutant shall be discharged more frequently than authorized or at a level in excess of that which is authorized by the permit. The discharge of any pollutant not specifically authorized in the NJPDES permit or listed and quantified in the NJPDES application shall constitute a violation of the permit, unless the permittee can prove by clear and convincing evidence that the discharge of the unauthorized pollutant did not result from any of the permittee's activities which contribute to the generation of its wastewaters. Any permit noncompliance constitutes a violation of the New Jersey Water Pollution Control Act (N.J.S.A. 58:10A-1 et seq.; hereinafter referred to as the State Act) or other authority of the NJPDES regulations (N.J.A.C. 7:14A-1 et seq.) and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application.
- B. A permittee shall not achieve any effluent concentration by dilution. Nor shall a permittee increase the use of process water or cooling water or otherwise attempt to dilute a discharge as a partial or complete substitute for adequate treatment to achieve permit limitations or water quality standards.
- C. The permittee shall comply with applicable effluent standards or prohibitions established under Section 307 (a) of the "Federal Water Pollution Control Act" (PL 92-500 et seq.; hereinafter referred to as the Federal Act) and Section 4 of the State Act for toxic pollutants within the time provided in the regulations that establish these standards or prohibitions, even if the permit has not yet been modified to incorporate the requirement.
- D. The State Act provides that any person who violates a permit condition implementing the State Act is subject to a civil penalty not to exceed \$10,000 per day of such violation. Any person who willfully or negligently violates permit conditions implementing the State Act is subject to a fine of not less than \$2,500 nor more than \$25,000 per day of violation, or by imprisonment for not more than 1 year, or both.
- E. The permittee is required to comply with all other applicable federal, state and local rules, regulations, or ordinances. The issuance of this permit shall not be considered as a waiver of any other requirements.

2. Permit Expiration

This permit and the authorization to discharge shall expire at midnight on the expiration date of the permit. The permittee shall not discharge after the above date of expiration of the permit.

- A. Duty to Reapply. If the permittee wishes to continue an activity regulated by a NJPDES permit after the expiration date of the permit, the permittee shall apply for and obtain a new permit. (If the activity is to be continued, the permittee shall complete, sign, and submit such information, forms, and fees as are required by the Department no later than 180 days before the expiration date.) The permittee shall follow the requirements stated in paragraph 12.A. when signing any application.

## B. Continuation of Expiring Permits

- (1) The conditions of an expired permit are continued in force pursuant to the "Administrative Procedure Act," N.J.S.A. 52:14B-11, until the effective date of a new permit if:
  - a. The permittee has submitted a timely and complete application for renewal as provided in Sections 2.1 and (3.2 DSW) (4.4 IWMF) (5.8 UIC) and Subchapter 10 of the NJPDES Regulations; and
  - b. The Department through no fault of the permittee, does not issue a new permit with an effective date under Section 8.6 of the NJPDES Regulations on or before the expiration date of the previous permit (e.g., when issuance is impracticable due to time or resource constraints).
- (2) Permits continued under this section remain fully effective and enforceable.
- (3) Enforcement. When the permittee is not in compliance with the conditions of the expiring or expired permit the Department may choose to do any or all of the following:
  - a. Initiate enforcement action based upon the permit which has been continued;
  - b. Issue a notice of intent to deny the new permit under Section 8.1 of the NJPDES Regulations. If the permit is denied, the owner or operator would then be required to cease the activities authorized by the continued permit or be subject to enforcement action for operating without a permit;
  - c. Issue a new permit under Subchapters 7 and 8 of the NJPDES Regulations with appropriate conditions; or
  - d. Take other actions authorized by the NJPDES Regulations or the State Act.

## 3. Duty to Halt or Reduce Activity

- A. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.
- B. Upon reduction, loss, or failure of the treatment facility, the permittee shall, to the extent necessary to maintain compliance with its permit, control production or discharges or both until the facility is restored to its permitted limits or an alternative method of treatment is provided. This requirement applies, for example, when the primary source of power of the treatment facility fails or is reduced or lost.

## 4. Duty to Mitigate

The permittee shall take all reasonable steps to minimize or correct any adverse impact on the environment resulting from noncompliance with this permit, including but not limited to accelerated and/or additional types of monitoring, temporary repairs or other mitigating measures.

## 5. Proper Operation, Maintenance and Licensing

- A. The permittee shall at all times maintain in good working order and operate as efficiently as possible all treatment works, facilities, and systems of treatment and control (and related appurtenances) for collection and treatment which are installed or used by the permittee for

water pollution control and abatement to achieve compliance with the terms and conditions of the permit. Proper operation and maintenance includes but is not limited to effective performance based on designed facility removals, adequate funding, effective management, adequate operator staffing and training and adequate laboratory and process controls including appropriate quality assurance procedures as described in 40 CFR Part 136 and applicable State Law and regulations. All permittees who operate a treatment works, except for sanitary landfills and land application of sludge or septage, must satisfy the licensing requirements of the "Licensing of Operators of Wastewater and Water Systems" N.J.S.A. 58:11-64 et seq. or other applicable law. This paragraph requires the operation of back-up or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit or where required by applicable law or regulation.

- B. Facilities Operation and Operator Certification. The operation of any treatment works shall be under the supervision of an operator on the first day of operation of the treatment works and continually thereafter in accordance with paragraph 5.A above. The operator shall meet the requirements of the Department of Environmental Protection of the State of New Jersey pursuant to the provisions of N.J.S.A. 58:11-64 et seq. and amendments thereto. The name of the proposed operator shall be submitted to this Department in order that his qualifications may be determined prior to initiating operation of the proposed treatment works.

#### 6. Permit Actions

- A. This permit may be modified, suspended, revoked and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance, does not stay any permit condition.
- B. Causes for modification, revocation and reissuance, and suspension are set forth in N.J.A.C. 7:14A-1.12 et seq.
- C. The following are causes for terminating or modifying a permit during its term, or for denying a permit renewal application:
- (1) Noncompliance by the permittee with any condition of the permit;
  - (2) Failure to pay applicable fees (N.J.A.C. 7:14A-1.8), including the annual NJPDES permit fee which has been assessed by the New Jersey Department of Environmental Protection (NJDEP, hereinafter referred to as the Department);
  - (3) The permittee's failure in the application or during the permit issuance process of a National Pollutant Discharge Elimination System (NPDES), Discharge Allocation Certificate (DAC), NPDES, Treatment Works Approval (TWA) or Construct and Operate permit to disclose fully all relevant facts, or the permittee's misrepresentation of any permit condition;
  - (4) A determination that the permitted activity endangers human health or the environment and can only be regulated to acceptable levels by permit modification or termination;
  - (5) When there is a change in any condition that requires either a temporary or a permanent reduction or elimination of any discharge controlled by the permit (for example, plant closure or termination of discharge by connection to a Domestic Treatment Works (DTW));
  - (6) The nonconformance of the discharge with any applicable facility, basin or areawide plans;

- (7) If such permit is inconsistent with any duly promulgated effluent limitation, permit, regulation, statute, or other applicable state or federal law; or
- (8) If a toxic effluent standard or prohibition is established pursuant to New Jersey Water Pollution Control Act N.J.S.A. 58:10A-1 et seq. or the regulations adopted pursuant to it, for a toxic pollutant which is present in the discharge, and such is more stringent than any limitation for such pollutant in this permit, this permit shall be revised or modified in accordance with the toxic effluent standard or prohibition and the permittee so notified of the revision or modification and date of required compliance.

7. Property Rights, Liability, and Other Laws

- A. This permit does not convey and property rights of any sort or any exclusive privileges.
- B. Nothing in this permit shall be deemed to preclude the institution of any legal action nor relieve the permittee from any responsibilities or penalties to which the permittee is or may be subject to under any federal, state or local law or regulation.
- C. Nothing in this permit shall be construed to exempt the permittee from complying with the rules, regulations, policies, and/or laws lodged in any agency or subdivision in this State having legal jurisdiction.

8. Duty to Provide Information

- A. The permittee shall furnish to the Director, Division of Water Resources, NJDEP, (hereinafter referred to as the Director), within a reasonable time, any information which the Director may request to determine whether cause exists for modifying, suspending, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. The permittee shall also furnish to the Director, upon request, copies of records required to be kept by this permit.
- B. Where the permittee becomes aware that he has failed to submit any relevant facts in a permit application, or has submitted incorrect information in a permit application or in any report to the Director, the permittee shall promptly submit such facts or information.

9. Inspection and Entry

- A. The permittee shall allow the Regional Administrator of the United States Environmental Protection Agency (USEPA), the Department, or any authorized representative(s), upon the presentation of credentials and other documents as may be required by law, to:
  - (1) Enter upon the permittee's premises where a discharge source is or might be located or in which monitoring equipment or records required by a permit are kept, for purposes of inspection, sampling, copying or photographing. Photography shall be allowed only as related to the discharge;
  - (2) Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
  - (3) Inspect, at reasonable times, any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this permit; and
  - (4) Sample or monitor, at reasonable times, for the purpose of assuring permit compliance or as otherwise authorized by the State Act, any substances or parameters at any location. This shall include, but not be limited to, the drilling or installation of monitoring wells for



the purpose of obtaining samples of ground water, soil and vegetation and measuring ground water elevations.

- B. Any refusal by the permittee, facility land owner(s), facility lessee(s), their agents, or any other person(s) with legal authority, to allow entry to the authorized representatives of the NJDEP and/or USEPA shall constitute grounds for suspension, revocation and/or termination of this permit.
- C. By acceptance of this permit, the permittee hereby agrees, consents and authorizes the representatives of the NJDEP and/or USEPA to present a copy of this permit to any municipal or state police officer having jurisdiction over the premises occupied by the permittee in order to have said officer effectuate compliance with the right of entry, should the permittee at any time refuse to allow entry to said inspectors.
- D. By acceptance of this permit, the permittee waives all rights to prevent inspections by authorized representatives of the NJDEP and/or USEPA to determine the extent of compliance with any and all conditions of this permit and agrees not to, in any manner, seek to charge said representatives with the civil or criminal act of trespass when they enter the premises occupied by the permittee in accordance with the provisions of this authorization as set forth hereinabove.

#### 10. Ground Water Monitoring Wells

The permittee shall install and maintain ground water monitoring wells if required by this permit at locations and according to specifications provided by the Department. All permit required monitoring wells shall be installed within 30 days of the Effective Date of the Permit. The monitoring wells shall provide turbidity-free water at a minimum rate of two gallons per minute or what the formation will yield with a properly installed and developed ground water monitoring well.

When a monitoring well cannot be used for the purpose of sample collection or ground water level measurements, the permittee shall replace the well at his own expense within 30 days of the missed sampling and/or measurement date. Said unuseable wells shall be sealed, also at the permittee's own expense, in accordance with Department well sealing specifications within the same 30 day period in which the well is replaced. Monitoring wells as required in this permit shall be considered as a monitoring device, which are required to be maintained under the provisions of the New Jersey Water Pollution Control Act N.J.S.A. 58:10A-10(f).

All monitoring wells must be installed by a New Jersey licensed well driller. The elevation to the nearest hundredth of a foot of the top of each well casing shall be established by a New Jersey licensed land surveyor within 30 days of the installation of the monitoring wells. The elevation established shall be in relation to the New Jersey geodetic control datum. Ground water monitoring wells and all point source discharges to ground water shall be located by horizontal control (latitude and longitude) using third order work, class II specification and by vertical control (elevation) using third order work. Within 30 days of the installation date of the monitor well, the permittee shall submit to the Department completed "Ground Water Monitoring Well Certifications - Forms A and B for each well required to be sampled by the permit. Within 60 days of the Effective Date of the Permit, the permittee shall submit to the Department a plot plan of the facility showing the location of all discharges and the ground water monitoring well locations. The scale of the plot plan shall be at least one inch equals fifty (50) feet.

Each ground water monitoring well casing shall have permanently affixed to it a monitoring well number to be assigned by the Department, elevation of the top of the well casing, elevation of the top of the well casing above the ground level and latitude and longitude of the monitoring well.

# 11. Monitoring and Records

- A. Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity.
- B. The State Act provides that any person who falsifies, tampers with, or knowingly renders inaccurate any monitoring device or method required to be maintained under this permit shall, upon conviction, be punished by a fine of no more than \$10,000 per violation, or by imprisonment for not more than 6 months per violation, or by both. This is specifically intended to include, but not be limited to, ground water monitoring wells and lysimeters.
- C. The applicant shall perform all analyses in accordance with the analytical test procedures approved under 40 CFR Part 136. Where no approved test procedure is available, the applicant must indicate a suitable analytical procedure and must provide the Department with literature references or a detailed description of the procedure. The Department must approve the test procedure before it is used. The laboratory performing the analyses for compliance with this permit must be approved and/or certified by the Department for the analysis of those specific parameters. Information concerning laboratory approval and/or certification may be obtained from:

New Jersey Department of Environmental Protection  
Office of Quality Assurance  
CN 400  
Trenton, New Jersey 08645  
(609) 292-3950

- D. The permittee shall retain records of all monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation, copies of all reports required by this permit, and records of all data used to complete the application for the permit, for a period of at least 5 years from the date of the sample, measurement, report or application. This period may be extended by request of the Department at any time.
- E. Records of monitoring information shall include:
  - (1) The date, exact place, and time of sampling or measurements;
  - (2) The individual(s) who performed the sampling or measurements;
  - (3) The date(s) analyses were performed;
  - (4) The individual(s) who performed the analyses;
  - (5) The analytical technique or method used; and
  - (6) The results of such analyses.
- F. Monitoring results shall be reported on a Discharge Monitoring Report (DMR) and/or on the Department's Monitoring Report Form (MRF); or, where these forms do not apply, in another format approved by the Department.

G. If the permittee monitors any pollutant more frequently than required by the permit, the results of this monitoring shall be included in the calculation and reporting of the data submitted in the DMR, MRF, or other approved format.

H. Calculations for all limitations which require averaging of measurements shall utilize an arithmetic mean unless otherwise specified by the Department in the permit.

I. Discharge Monitoring Reports

(1) Monitoring results shall be summarized and reported on the appropriate Monitoring Report Forms following the completed reporting period. Signed copies of these, and all other reports required herein, shall be submitted to the following address:

Water Quality Management  
Division of Water Resources  
CN 029  
Trenton, New Jersey 08625  
ATTN: Monitoring Reports

(2) If a contract laboratory is utilized, the permittee shall submit the name and address of the laboratory and the parameters analyzed at the time it submits its monitoring reports (See Section 11.E. above). Any change in the contract laboratory being used or the parameters analyzed shall be reported prior to or together with the monitoring report covering the period during which the change was made.

J. Monitoring Reports. Monitoring results shall be reported at the intervals and starting date specified elsewhere in this permit.

K. Compliance Schedules. Reports of compliance or noncompliance with, or any progress reports or, interim and final requirements contained in any compliance schedule of this permit shall be submitted no later than 14 days following each schedule date.

12. Signatory Requirement

A. Signature Requirements. All permit applications, except those submitted for Class II wells for a UIC discharge (see paragraph B) shall be signed as follows:

- (1) For a corporation, by a principal executive officer of at least the level of vice president;
- (2) For a partnership or sole proprietorship, by a general partner or the proprietor, respectively; or
- (3) For a municipality, state, federal or other public agency, by either a principal executive officer or ranking elected official.

E. Reports. All reports required by permits, other information requested by the Department and all permit applications submitted for Class II wells under N.J.A.C. 7:14A-5.8 shall be signed by a person described in paragraph A of this section or by a duly authorized representative only if:

- (1) The authorization is made in writing by a person described in paragraph A of this section;
- (2) The authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility or activity, such as a position of plant

manager, operator of a well or well field, superintendent or person of equivalent responsibility; and

(3) The written authorization is submitted to the Department.

- C. Changes to Authorization. If an authorization under paragraph B of this section is no longer accurate because a different individual or position has responsibility for the overall operation of the facility, a new authorization satisfying the requirements of paragraph B of this section shall be submitted to the Department prior to or together with any reports, information, or applications to be signed by an authorized representative.
- D. Certification (N.J.A.C. 7:14A-2.4(d)). Any person signing any document under paragraph A or B of this section shall make the following certification: "I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment."
- E. False Statements. Any person who knowingly makes a false statement, representation, or certification in any application, record, or other document filed or required to be maintained under the State Act shall upon conviction, be subject to a fine of not more than \$10,000.00 or by imprisonment for not more than 6 months or by both.

### 13. Reporting Changes and Violations

- A. Planned Changes. The permittee shall give notice to the Department as soon as possible of any planned physical alterations or additions to the permitted facility. The permittee shall comply with N.J.A.C. 7:14A-12.1 et seq. which requires approval for building, installing, modifying, or operating treatment works. NOTE: Sewer Extensions require such an approval. A connection of a single building through which less than 1000 gpd flows by gravity through a single lateral is exempt from the requirement to obtain the approval of this Department. Construction of a sewer extension without this Department's approval will be a violation of this permit.
- B. Anticipated Noncompliance. The permittee shall give reasonable advance notice to the Department of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements.

### 14. Reporting Noncompliance

- A. The permittee shall report any noncompliance which may endanger health or the environment. The permittee shall provide the Department with the following information:
  - (1) A description of the discharge;
  - (2) Steps being taken to determine the cause of noncompliance;
  - (3) Steps being taken to reduce and eliminate the noncomplying discharge;
  - (4) The period of noncompliance, including exact dates and times. If the noncompliance has not been corrected, the anticipated time when the discharge will return to compliance;
  - (5) The cause of the noncompliance; and

- (6) Steps being taken to reduce, eliminate, and prevent reoccurrence of the noncomplying discharge.
- B. The permittee shall orally provide the information in paragraphs A.(1) through (3) to the DEP Hotline (609) 292-7172 within 2 hours from the time the permittee becomes aware of the circumstances.
- C. The permittee shall orally provide the information in paragraphs A.(4) through (5) to the DEP Hotline within 24 hours of the time the permittee becomes aware of the circumstances.
- D. A written submission shall also be provided within 5 days of the time the permittee becomes aware of the circumstances. The written submission shall contain the information in A.(1) through (6).
- E. Other Noncompliance. The permittee shall report all instances of noncompliance not reported under paragraphs 11.J, 11.K, 13.A, and 14.A through D at the time monitoring reports are submitted. The reports shall contain the information required in the written submission listed in paragraph 14.D.
- F. The following shall be reported to the Department in accordance with paragraphs 14.A through D:
- (1) In the case of any discharge subject to any applicable toxic pollutant effluent standard under Section 307(a) of the Federal Act or under Section 6 of the State Act the information required by paragraphs 14.A(1) through (3) regarding a violation of such standard shall be provided to the Department within 2 hours from the time the permittee becomes aware of the circumstances. The information required by paragraphs 14.A(4) through (6) shall be provided to the Department within 24 hours from the time the permittee becomes aware of the circumstances. Where the information is provided orally, a written submission covering these points must be provided within five working days of the time the permittee becomes aware of the circumstances covered by this paragraph.
  - (2) In the case of other discharges which could constitute a threat to human health, welfare, or the environment, including but not limited to, discharge of pollutants designated under Section 311 of the Federal Act, under Section 6 of the State Act, under the "Spill Compensation and Control Act", N.J.S.A. 58:10-23.11 et seq., or under the "Safe Drinking Water Act", N.J.S.A. 58:12A-1 et seq., the information required by paragraph 14.A(1) through (3) shall be provided to the Department within 2 hours from the time the permittee becomes aware of the circumstances. The information required by paragraphs 14.A(4) through (6) shall be provided to the Department within 24 hours from the time the permittee becomes aware of the circumstances. Where the information is provided orally, a written submission covering these points must be provided within five working days of the time the permittee becomes aware of the circumstances covered by this paragraph.
  - (3) The information required in paragraphs 14.A(1) through (3) shall be provided to the Department within 2 hours where a discharge described under paragraphs 14.F(1) or (2) is located upstream of a potable water intake or well field. The information required by paragraphs 14.A(4) through (6) shall be provided to the Department within 24 hours. If this information is provided orally, a written submission covering these points must be provided within five days of the time the permittee becomes aware of the discharge.
  - (4) Any bypass which violates any effluent limitations in the permit shall be reported within 24 hours unless paragraphs 14.F(1) through (3) are applicable. (See Section 15.)

- (5) Any upset which violates any effluent limitation in the permit shall be reported within 24 hours unless paragraphs 14.F(1) through (3) are applicable. (See Section 16.)
- (6) Violation of a maximum daily discharge limitation for any of the pollutants listed by the Department in the permit shall be reported within 24 hours unless paragraphs 14.F(1) through (3) are applicable (See N.J.A.C. 7:14A-3.13(a)7.).

#### 15. Bypass

- A. Bypass not exceeding limitations. The permittee may allow any bypass to occur which does not cause effluent limitations to be exceeded, but only if it is also for essential maintenance to assure efficient operation. These bypasses are not subject to the provisions of paragraphs B. and C. of this section.
- B. Notice
  - (1) Anticipated Bypass. If the permittee knows in advance of the need for a bypass, he shall submit prior notice, if possible, at least thirty (30) days before the date of the bypass.
  - (2) Unanticipated Bypass. The permittee shall submit notice of an unanticipated bypass as required in paragraph 14.F.(4).
- C. Prohibition of Bypass
  - (1) Bypass is prohibited, and the Department may take enforcement action against a permittee for bypass unless:
    - a. Bypass was unavoidable to prevent loss of life, personal injury, or severe property damage;
    - b. There were no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of equipment downtime. This condition is not satisfied if the permittee could have installed adequate backup equipment to prevent a bypass which occurred during normal periods of equipment downtime or preventive maintenance; and
    - c. The permittee submitted notices as required under paragraph B of this section.
  - (2) The Department may approve an anticipated bypass, after considering its adverse effects, if the Department determines that it will meet the three conditions listed above in paragraph C.(1) of this section.

#### 16. Upset

- A. Effect of An Upset. An upset may constitute an affirmative defense to an action brought for noncompliance with such technology-based permit effluent limitations if the requirements of paragraph B. of this section are met. Where no determination was made during administrative review of claims that noncompliance was caused by upset, and there has been no Departmental action for noncompliance, the lack of such determination is final administrative action subject to judicial review.
- B. Conditions Necessary for A Demonstration of Upset. A permittee who wishes to establish the affirmative defense of upset shall demonstrate, through properly signed, contemporaneous operating logs, or other relevant evidence that:

- (1) An upset occurred and that the permittee can identify the specific cause(s) of the upset;
- (2) The permitted facility was at the time being properly operated;
- (3) The permittee submitted notice of the upset as required in paragraph 14.F.(5); and
- (4) The permittee complied with any remedial measures required under Section 4 above.

C. Burden of Proof. In any enforcement proceeding the permittee seeking to establish the occurrence of an upset has the burden of proof.

17. Emergency Plan (DSW and DGW permits only)

A. The permittee shall develop, submit, and implement an Emergency Plan report prepared in accordance with N.J.A.C. 7:14A-3.12(b) unless exempted pursuant to N.J.A.C. 7:14A-3.12(e). If not previously submitted to and approved by NJDEP, the Emergency Plan (or a request for exemption) must be submitted within six (6) months of the effective date of the permit unless otherwise required by N.J.A.C. 7:14A-3.12(a).

B. Liability

(1) Submission of an Emergency Plan pursuant to this section shall not exempt a permittee from liability for violations arising from an emergency situation. A permittee shall take all necessary actions to mitigate the damage to the waters of the State arising from an emergency situation. Such actions shall not be limited by the emergency operating plan and the manual of procedures.

(2) Exemption from development of an Emergency Plan under this section does not exempt the permittee from liability for violations arising from an emergency situation. Such permittee shall take all necessary actions to mitigate the damage to the waters of the State arising from an emergency situation.

C. Violations

Failure to submit an emergency plan in compliance with paragraph A. of this section and failure to implement the emergency plan shall each constitute a violation of this permit.

18. Residuals Management

A. Collected grit and screenings, scums, sand bed sands, slurries, and sludges, and all other solids from the treatment process shall be disposed of in such a manner as to prevent such materials from entering the ground and/or surface waters of the state except in accordance with a NJPDES permit. If for any reason such materials are placed in the water or on the lands where they may cause pollutants to enter the ground and/or surface waters of the State, the following information shall be reported to the Division of Water Resources Enforcement Element together with the monitoring data required in Part I, Section 11.1.:

- (1) Dates of occurrence;
- (2) A description of the noncomplying discharge (nature and volume);
- (3) Cause of noncompliance;
- (4) Steps taken to reduce and eliminate the noncomplying discharge; and

(5) Steps taken to prevent recurrence of the condition of noncompliance.

- B. If the chosen sludge management method is land application, the permittee must make provisions for storage, or some other approved management strategy, for those periods when land application is prohibited, including but not limited to winter months, or when the ground is frozen or saturated with water. The permittee shall not be permitted to store sludge on-site beyond the capacity of the structural treatment and storage components of the treatment facility, except in accordance with a NJPDES Emergency On-site storage Permit. Nor shall the permittee be permitted to store sludge on-site in any manner which is not in accordance with Solid Waste Management Rules, N.J.A.C. 7:26-1 et seq. Any violations must be reported by the permittee to the Division of Water Resources Enforcement Element within 24 hours.
- C. The permittee shall comply with the Sludge Quality Assurance Regulations (N.J.A.C. 7:14-4.1 et seq.). Where quality information is required by these regulations analyses must reflect the quality of the final sludge product which the permittee must remove.
- D. The permittee shall manage the sludge from this facility in compliance with the New Jersey Solid Waste Management Act N.J.S.A. 13:1E-1 et seq., which requires conformance with Statewide and District Sludge Management Plans, and prohibits the disposal of municipal sewage sludge in landfills. The permittee shall also comply with all applicable rules and regulations promulgated pursuant to the Federal Resource Conservation and Recovery Act governing the treatment, storage and disposal of hazardous waste.
- E. The permittee shall at all times have on file with the Department proof of proper management at a facility duly licensed and permitted by the State to receive sludge. To satisfy this requirement the permittee shall submit proof of ownership or contractual arrangement with a permitted facility for the composting, land application, thermal reduction, or other approved method of ultimate sludge management.

Where such permitted sludge management does not extend the full term of this permit, the permittee shall submit similar proof of new permitted management arrangements which shall become effective no later than the expiration date of previous arrangements. All such proofs of ultimate management must be submitted to the Municipal Waste Management in duplicate to:

Chief  
Bureau of Municipal Waste Management  
CN-029  
Trenton, N.J. 08625  
ATTN: Residuals Management Section

- F. By issuance of this permit the Department hereby gives the permittee notice that the permittee is bound by the New Jersey Pollutant Discharge Elimination System regulations regarding proper sludge management (Section 25 (a)13.).
- G. The permittee shall comply with the provisions concerning management of sludge in the Statewide Sludge Management Plan promulgated pursuant to the Water Quality Planning Act, (N.J.S.A.



58:11A-1 et seq.), The New Jersey Water Pollution Control Act, (N.J.S.A. 58:10A-1 et seq.) and the Solid Waste Management Act (N.J.S.A. 13:1E-1 et seq.).

- H. The permittee shall conform with the requirements under Section 405 of the Federal Act governing the management of sewage sludge from publicly owned treatment works and with Sections 4 and 6 of the State Act.

19. Discharge Permitted

The permittee shall discharge to surface waters, land or ground waters of the State, directly or indirectly, only as authorized herein and consistent with the terms and conditions of this permit.

20. Operation Restrictions

The operation of a waste treatment or disposal facility shall at no time create: (1) a direct discharge to surface waters of the State, except as authorized by NJDEP; (2) a persistent standing or ponded condition for water or waste on the permittee's property except as specifically authorized by this permit, or (3) any standing or ponded condition for water or waste on adjacent properties unless these activities are specifically included within the permit.

21. Oil and Hazardous Substance Liability

The imposition of responsibilities upon, or the institution of any legal action against the permittee under Section 311 of the Federal Act shall be in conformance with regulations promulgated pursuant to Section 311 of the Federal Act governing the applicability of Section 311 to discharges from facilities with NPDES permits.

22. Recapener Clause for Toxic Effluent Limitations

Notwithstanding any other condition of this permit, if any applicable toxic effluent standards, limitation or prohibition (including any schedule of compliance specified in such effluent standard or prohibition) is promulgated under Sections 301(b)(2)(C) and (D), 304(b)(2), and 307(a)(2) of the Federal Clean Water Act or Sections 4 or 6 of the State Act for a toxic pollutant and that effluent standard, limitation, or prohibition is more stringent than any limitation on the pollutant in the permit (or controls a pollutant not limited in the permit), this permit shall be promptly modified or revoked and reissued to conform to that effluent standard, limitation or prohibition.

23. Availability of Information

- A. NJPDES permits, effluent data, and information required by NJPDES application forms provided by the Regional Administrator or Director (including information submitted on the forms themselves and any attachments used to supply information required by the forms) shall be available for public inspection at the offices of the Director.
- B. In addition to the information set forth in paragraph A., any other information submitted to EPA and/or the Department in accordance with the conditions of this permit shall be made available to the public without further notice unless a claim of business confidentiality is asserted at the time of submission in accordance with the procedures in 40 CFR Part 2 (Public Information)

and/or Subchapter 11 of the "Regulations Concerning the New Jersey Pollutant Discharge Elimination System."

- C. If a claim of confidentiality is made for information other than that enumerated in paragraph A., the information shall be treated by the Department in accordance with the procedures in N.J.A.C. 7:14A-11.1 et seq. Only information determined to be confidential under those procedures shall not be made available by NJDEP for public inspection.

24. Effective Date of Permit

- A. This permit shall become effective in its entirety on the date indicated (Effective Date) on the first page of this permit unless a request for an adjudicatory hearing is granted pursuant to the provisions of N.J.A.C. 7:14A-6.11 et seq.
- B. For purposes of judicial review, final agency action on a permit does not occur unless and until a party has exhausted its administrative remedies under N.J.A.C. 7:14A-8.9 et seq. Any party which neglects or fails to seek such review thereby waives its opportunity to exhaust available agency remedies.

25. Transfer of Permit

- A. This permit is not transferable to any person except after notice to the Department. The Department may require modification, revocation, or revocation and reissuance of the permit to change the name of the permittee and incorporate such other requirements as may be necessary under the appropriate Act. (See N.J.A.C. 7:14A-2.12; in some cases, modification or revocation and reissuance is mandatory).
- B. Transfer by Modification. Except as provided in paragraph (C) of this section, a permit may be transferred by the permittee to a new owner or operator only if the permit has been modified or revoked and reissued (under Section 2.12(c)(1)(ii)) or a minor modification made (under Section 2.14(a)(4) of the NJPDES Regulations), to identify the new permittee and incorporate such other requirements as may be necessary under the State and Federal Acts.
- C. Automatic Transfers. As an alternative to transfers under paragraph (B) of this section, any NJPDES permit, except a UIC permit for a well injecting hazardous waste, may be automatically transferred to a new permittee if:
- (1) The current permittee notified the Department in writing by certified mail of the proposed transfer as follows:
    - a. Where production levels, products produced, rates of discharge, and wastewater characteristics will remain unchanged, the following information shall be submitted at least 90 days prior to a proposed transfer date:
      - (1) Name and address of current facility;
      - (2) Name and address of new owners;
      - (3) NJPDES permit number;
      - (4) Names of the new principal persons responsible;
      - (5) Names of persons upon whom legal process can be served; and

(6) A notarized statement signed by the new principal officer stating that he has read the NJPDES permit and agrees to abide by all the conditions of the permit and that the production levels, products produced, rates of discharge, and wastewater characteristics will remain unchanged.

b. Where there will be a change in production levels, products produced, rates of discharge, or wastewater characteristics, the information required in paragraph 25.C(1)(a) above shall be submitted at least 180 days prior to a proposed transfer date.

(2) The current permittee shall include in the notice of proposed transfer a written agreement between the existing and new permittee which includes a specific date for transfer of permit responsibility, coverage, and liability between the parties. In the case of a UIC permit, the notice shall demonstrate that the financial responsibility requirements of Section 5.10(a)7. of the NJPDES Regulations will be met by the new permittee;

(3) The Department does not notify the existing permittee and the proposed new permittee, within thirty (30) days of receipt of notice of proposed transfer, of an intent to modify, revoke or revoke and reissue the permit or, for a discharge to surface water (DSW), require a DAC. A modification under this paragraph may also be a minor modification under Section 2.14 of the NJPDES Regulations. If such notice is not received, the transfer is effective on the date specified in the agreement mentioned in paragraph 25.C(2) of this section; and

(4) Whenever the regulated discharge has ceased prior to the proposed permit transfer, any compliance schedule shall not be automatically reinstated but shall be subject to revision or complete withdrawal if circumstances leading to its imposition have changed.

#### 26. Severability

The provisions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby.

#### 27. Stay of Conditions, N.J.A.C. 7:14-8.10

A request for an adjudicatory hearing shall not automatically result in a stay of the conditions of this permit.

#### 28. Definitions

A. Unless otherwise stated, all terms shall be as defined in the "Regulations Concerning the New Jersey Pollutant Discharge Elimination System", N.J.A.C. 7:14A-1 et seq.

- (1) "Aliquot" means a sample of specified volume used to make up a total composite sample.
- (2) "Bypass" means the intentional diversion of wastes from any portion of a treatment facility.
- (3) "Composite" means a combination of individual (or continuously taken) samples (aliquots) of at least 100 milliliters, collected at periodic intervals over the entire discharge day. The composite must be flow proportional; either the time interval between each aliquot or the volume of each aliquot must be proportional to either the stream flow at the time of sampling or the total stream flow since the collection of the previous aliquot. Aliquots may be collected manually or automatically. For a continuous discharge, a minimum of 24

aliquots (at hourly intervals) shall be collected and combined to constitute a 24-hour composite sample. For intermittent discharges of more than 4 hours duration, aliquots shall be taken at a minimum of 30-minute intervals. For intermittent discharges of less than 4 hours duration, aliquots shall be taken at a minimum of 15-minute intervals.

- (4) "EDP" means Effective Date of Permit.
- (5) "Grab" means an individual sample of at least 100 milliliters collected over a period not exceeding 15 minutes.
- (6) "Monthly" means one day each month (the same day each month) and a normal operating day (e.g., the 2nd Tuesday of each month).
- (7) "Multiple Grab Composite" - means a combination of individual samples (aliquots) collected at a specified frequency over a specified time period. Each aliquot must be collected in a glass vial with septum cap, filled to the top leaving no air bubbles, and iced until delivered for analysis. Each aliquot shall be analyzed individually. The recorded value will be flow proportioned average of the individual analyses for the specific time period.
- (8) "Upset" means an exceptional incident in which there is unintentional and temporary noncompliance with technology-based permit effluent limitations because of factors beyond the reasonable control of the permittee. An upset does not include noncompliance to the extent caused by operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventative maintenance, or careless or improper operation.
- (9) "Weekly" means every seventh day (the same day each week) and a normal operating day.

29. Annual Permit Fee, N.J.A.C. 7:14A-1.8

The permittee shall pay the annual NJPDES permit fee which has been assessed by the Department.

WQM121-A/SWM:fmr

Revised 1/24/86



10710  
Let's protect our earth



State of New Jersey

DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DIVISION OF WATER RESOURCES  
METRO BUREAU OF REGIONAL ENFORCEMENT  
2 BABCOCK PLACE  
WEST ORANGE, NEW JERSEY 07052

GEORGE G. McCANN, P.E.  
DIRECTOR

DIRK C. HOFMAN, P.E.  
DEPUTY DIRECTOR

December 2, 1986

Mayor and Council  
City of Newark  
926 Broad Street  
Newark, NJ 07102

*Newark Public  
Utilities*

Re: Compliance Evaluation Inspection  
City of Newark  
NJPDES No. NJ 0024724  
Newark/Essex County

**RECEIVED**  
DEC 3 1986

STATE OF NEW JERSEY  
DEPT. ENVIRONMENTAL PROTECTION  
DIVISION WATER RESOURCES

Gentlemen:

A Compliance Evaluation Inspection of your facility was conducted by a representative of this Division on October 22, 1986. A copy of the completed inspection report form is enclosed for your information.

Your facility received a rating of "UNACCEPTABLE" due to the following deficiencies:

1. The outfall pipe for discharge No. 026 remains collapsed.
2. The first quarterly regulator structure inspection report has not been submitted in violation of Part IV-A Section 2A(1) of NJPDES Permit No. NJ 0024724.
3. The first bi-annual compliance action progress report has not been submitted in violation of Part IV-A Section 2A(7) of NJPDES Permit No. NJ 0024724.

**BAB000006**

Deficiency No. 1 was brought to your attention following the inspection of 1985 and has not as of this inspection been corrected.

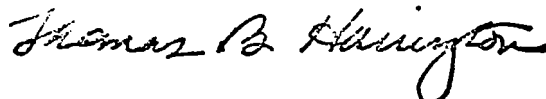
Since the deficiencies cited are presently, or could, in the future, adversely affect effluent quality, you are DIRECTED to institute measures to correct the deficiencies. A written report concerning specific details of remedial measures to be instituted, as well as an implementation timetable, must be submitted to this Department and USEPA, Permits Administration Branch, within thirty (30) calendar days of the date of this correspondence.

Both the New Jersey Water Pollution Control Act (N.J.S.A. 58:10A-1 et seq.) and the Federal Water Pollution Control Act, as amended (33 U.S.C. 466 et seq.) provide for substantial monetary and criminal penalties in cases of permit violations.

Please direct all correspondence and inquiries to Janet Budesá Carroll, the Environmental Specialist responsible for this case, who can be reached at (201) 669-3900 or by letter through this Division.

Failure to fully comply with the above will result in the initiation of enforcement action by this Department and/or the United States Environmental Protection Agency. This shall in no way be construed, however, to indicate any exemption on your part from possible penalties for violations indicated by the Compliance Evaluation Inspection, as stated above.

Very truly yours,



Thomas B. Harrington  
Supervisor, Compliance  
Monitoring Unit  
Metro Bureau of  
Regional Enforcement

E120:G25

cc: Dr. Richard A. Baker, USEPA  
Mr. Paul Molinari, USEPA  
Mr. Alvin Zach, P.E., City Engineer  
Mr. Robert J. Grimm, H.O.  
Mr. Harry Chin, MWM

Enclosure



NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DIVISION OF WATER RESOURCES  
CN 029, Trenton, N.J. 08625

DISCHARGE SURVEILLANCE REPORT



PERMIT # NJ 0024724 NO. OF DISCHARGES 001-030 CLASS Maj/Mun  
DISCHARGER City of Newark  
OWNER City of Newark  
MUNICIPALITY Newark COUNTY Essex WATERSHED CODE P  
LOCATION \_\_\_\_\_  
RECEIVING WATERS Passaic River; Newark Bay STREAM CLASS SE-3, SE-2  
Peddie Ditch; Peripnera Ditch  
LICENSED OPERATOR & PLANT CLASS Alvin Zach, Dir. Engineering (C-4)  
TRAINEE/ASSISTANT \_\_\_\_\_ OTHER INFO. (201) 733-8118

DEFICIENCIES OR COMMENTS Inspection of Newark Sewer System  
includes sewer lines, regulators and outfall pipes. Total  
of 8 sites inspected.

Deficiencies: See attached letter

OVERALL RATING ☐ Acceptable ☐ Conditionally Acceptable ☒ Unacceptable

EVALUATOR Richard White TITLE Env. Compliance Investigator I  
Janet Budesa Carroll Env. Specialist

INFORMATION FURNISHED BY (Name) Mr. George Pregario / Mr. William Morris  
(Title) Supt., DPW (Organization) City of Newark

DATE OF INSPECTION October 22, 1986



On October 22, 1986, a Compliance Evaluation Inspection of the City of Newark's discharges was conducted. Present during the inspection were the following:

Mr. George Piegario and Mr. William Morris/DPW  
Mr. Richard White and Ms. Janet Budesca Carroll/NJDEP

The following is a summary of the observations made during the inspection of the sewer system.

<u>Discharge No. and Location</u>	<u>Receiving Water</u>	<u>Observations</u>
011 Orange Street	Passaic River	Outfall pipe under water - tide in; regulator inspected; water flowing to PVSC
013 Rector Street	Passaic River	Outfall pipe under water - tide in; regulator inspected; water flowing to PVSC
016 Raymond Boulevard/ Jackson Street	Passaic River	Outfall pipe under water - tide in; water flowing to PVSC
019 Brown Street	Passaic River	Outfall pipe NI; water in chamber; tide in
020 Lockwood Street	Passaic River	Outfall pipe NI; chemical solvent odor in manhole; water in chamber; tide in
026 Queen Overflow	Newark Bay	Outfall pipe collapsed; aluminum floor gratings missing from regulator structure; no change in status since last inspection
027 Waverly Overflow	Newark Bay	Outfall pipe NI; regulator inspected; water flowing to PVSC
030 Avenue A	Peripheral Ditch	No regulator observed; terminal manhole at East end of Avenue A graded over; raw sewage still discharging into ditch



Let's protect our earth



Central File  
NJPDES - SW  
City of Newark - DPW  
NJ0024724

State of New Jersey

DEPARTMENT OF ENVIRONMENTAL PROTECTION

DIVISION OF WATER RESOURCES

METRO BUREAU OF REGIONAL ENFORCEMENT

2 BABCOCK PLACE

WEST ORANGE, NEW JERSEY 07052

GEORGE G. McCANN, P.E.  
DIRECTOR

October 26, 1988

DIRK C. HOFMAN, P.E.  
DEPUTY DIRECTOR

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

Mayor and Council  
City of Newark  
926 Broad Street  
Newark, NJ 07102

BAB000008

Re: Compliance Evaluation Inspection  
City of Newark - Department of Public Works  
NJPDES No. NJ0024724  
Newark/Essex County

Gentlemen:

A Compliance Evaluation Inspection of your facility was conducted by a representative of this Division on October 4, 1988. A copy of the completed inspection report form is enclosed for your information.

Your facility received a rating of "UNACCEPTABLE" due to the following deficiencies:

- 1) Untreated sewage continues to be discharged from the Waverly Overflow (Discharge 029) to Newark Bay during dry weather.
- 2) Quarterly regulator structure inspection reports have not been submitted in violation of Part IV-A Section 2A(1) of NJPDES Permit No. NJ0024724.
- 3) Newark has not submitted the engineering report and the plans and specifications to minimize the discharge of pollutants from Discharge Nos. 001-029 required by Part IV-A Section 2A(2,3) of the Permit.

- 4) Semi-annual compliance action progress reports have not been submitted in violation of Part IV-A Section 2A(7) of the Permit.

The deficiencies noted above were brought to your attention following the inspection of March 9, 1988 and have not, as of this inspection, been corrected.

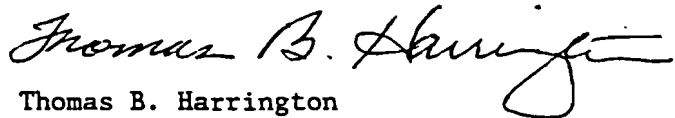
The deficiencies noted above are significant violations of the terms and conditions of your NJPDES permit and/or the Water Pollution Control Act Regulations (N.J.A.C. 7:14A-1 et seq.). You are therefore DIRECTED to institute corrective measures. A written report concerning specific details of remedial measures to be instituted, as well as an implementation timetable, must be submitted to this Department and USEPA, Permits Administration Branch, within thirty (30) calendar days of the date of this correspondence.

You are advised that the New Jersey Water Pollution Control Act (N.J.A.C. 7:14A-1 et seq.) provides for substantial monetary and criminal penalties in cases of permit violations.

Please direct all correspondence and inquiries to Janet Budesa Carroll, the Environmental Specialist responsible for this case, who can be reached at (201) 669-3900 or by letter through this Division.

Failure to fully comply with the above will result in the initiation of enforcement action by this Department. This shall in no way be construed, however, to indicate any exemption on your part from possible penalties for violations indicated by the Compliance Evaluation Inspection, as stated above.

Very truly yours,



Thomas B. Harrington  
Supervisor, Compliance  
Monitoring Unit  
Metro Bureau of  
Regional Enforcement

E120:G26

C: Dr. Richard A. Baker, USEPA  
Mr. Paul Molinari, USEPA  
Mr. Alvin Zach, P.E. City Engineer  
Mr. Robert Grimm, H.O.

bc: Zaheer Hussain, Enforcement  
Robert Candido, Criminal Justice  
Central File



NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DIVISION OF WATER RESOURCES  
CN 029, Trenton, N.J. 08625

DISCHARGE SURVEILLANCE REPORT



PERMIT # NJ0024724 NO. OF DISCHARGES 001-030 CLASS MAJ/MUN  
DISCHARGER City of Newark Department of Public Works  
OWNER City of Newark Department of Public Works  
MUNICIPALITY Newark COUNTY Essex WATERSHED CODE P  
LOCATION —  
RECEIVING WATERS Passaic River; Newark Bay STREAM CLASS SE-3, SE-2  
Peddle Ditch; Peripheral Ditch  
LICENSED OPERATOR & PLANT CLASS Alvin Zach, Dir. of Engineering (C-4)  
TRAINEE/ASSISTANT — OTHER INFO. (201) 733-8118  
-8412

DEFICIENCIES OR COMMENTS Total of 11 outfalls inspected

Deficiencies: see attached letter

OVERALL RATING ☐ Acceptable ☐ Conditionally Acceptable ☒ Unacceptable

EVALUATOR Janet Budesa Carroll TITLE Senior Environmental Specialist  
Allen V. Wright Env. Compliance Investigator I

INFORMATION FURNISHED BY (Name) Mr. Paul Butler  
(Title) Sr. Env. Specialist (Organization) City of Newark

DATE OF INSPECTION October 4, 1988

On October 4, 1988, a Compliance Evaluation Inspection of the City of Newark's combined sewer overflows was conducted. Present during the inspection were the following:

Mr. Paul Butler - Senior Environmental Specialist, Newark Engineering  
Mr. Alfred Freda - Deputy Chief, Newark Fire Department  
Ms. Helen V. Wright - NJDEP, Metro Enforcement  
Ms. Janet Budesca Carroll - NJDEP, Metro Enforcement

The following is a summary of the observations made during the inspection (including observations made during a Newark Fire Department Boat survey):

<u>Discharge No. and Location</u>	<u>Receiving Water</u>	<u>Observations</u>
017 Polk Street	Passaic River	Outfall 1/3 covered during low tide - no apparent discharge
018 Freeman Street	Passaic River	Slight clear water discharge from outfall
019 Brown Street	Passaic River	Outfall 1/2 covered during low tide - no apparent discharge
020 Lockwood Street	Passaic River	Outfall under water during low tide
021 Blanchard Street	Passaic River	Outfall under water during low tide
022 Roanoke Avenue	Passaic River	Outfall 3/4 covered during low tide
023 Adams Overflow	Newark Bay	No discharge at inspection
025 Peddie Overflow	Newark Bay	Peddie Ditch water discharging to PSVC interceptor
027, 029 Waverly Overflows	Newark Bay	Untreated sewage discharge from overflow into ditch
030 Avenue A	Peripheral Ditch	Clear water discharge from outfall





State of New Jersey

DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DIVISION OF WATER RESOURCES  
METRO BUREAU OF REGIONAL ENFORCEMENT  
2 BABCOCK PLACE  
WEST ORANGE, NEW JERSEY 07052

GEORGE G. McCANN, P.E.  
DIRECTOR

DIRK C. HOFMAN, P.E.  
DEPUTY DIRECTOR

April 19, 1989

Mayor and Council  
City of Newark  
City Hall  
926 Broad Street  
Newark, NJ 07102

Re: Compliance Evaluation Inspection  
City of Newark - Department of Public Works  
NJPDES No. NJ 0024724  
Newark/Essex County

BAB000009

Gentlemen:

A Compliance Evaluation Inspection of your facility was conducted by a representative of this Division on March 29, 1989. A copy of the completed inspection report form is enclosed for your information.

Your facility received a rating of "UNACCEPTABLE" due to the following deficiencies:

- 1) Untreated sewage continues to be discharged from the Waverly Overflow (Discharge 029) to Newark Bay during dry weather. A Notice of Violation (NOV) was issued on March 1, 1989 for this discharge.
- 2) Quarterly regulator structure reports still have not been submitted in violation of Part IV-A Section 2A(1) of the permit.
- 3) Newark has not submitted the engineering report and the plans and specifications to minimize the discharge of pollutants from Discharge Nos. 001-029.

The deficiencies noted above were brought to your attention following the inspections of March 9, 1988 and October 4, 1988 and have not, as of this inspection, been corrected.



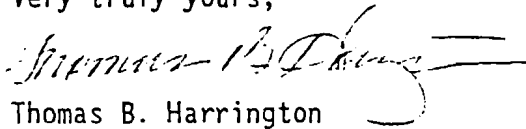
The deficiencies noted above are significant violations of the terms and conditions of your NJPDES permit and/or the Water Pollution Control Act Regulations (N.J.A.C. 7:14A-1 et seq.). You are therefore DIRECTED to institute corrective measures. A written report concerning specific details of remedial measures to be instituted, as well as an implementation timetable, must be submitted to this Department and USEPA, Permits Administration Branch within thirty (30) calendar days of the date of this correspondence.

You are advised that the New Jersey Water Pollution Control Act (N.J.S.A. 58:10A-1 et seq.) provides for substantial monetary and criminal penalties in cases of permit violations.

Please direct all correspondence and inquiries to Janet Budesa Carroll, the Environmental Specialist responsible for this case, who can be reached at (201) 669-3900, or by letter through this Division.

Failure to fully comply with the above will result in the initiation of enforcement action by this Department. This shall in no way be construed, however, to indicate any exemption on your part from possible penalties for violations indicated by the Compliance Evaluation Inspection, as stated above.

Very truly yours,

  
Thomas B. Harrington  
Supervisor, Surface  
Water Unit  
Metro Bureau of  
Regional Enforcement

E120:G25

c: Dr. Richard A. Baker, USEPA  
Mr. Paul Molinari, USEPA  
Mr. Alvin Zach, P.E., City Engineer  
Mr. Robert Grimm, H.O.

Enclosure

bc: Zaheer Hussain, Enforcement  
James Lyko, Criminal Justice  
Central File



NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DIVISION OF WATER RESOURCES  
CN 029, Trenton, N.J. 08625



## DISCHARGE SURVEILLANCE REPORT

PERMIT # NJ0024724 NO. OF DISCHARGES 001-030 CLASS MAY/MUN  
DISCHARGER City of Newark Department of Public Works  
OWNER City of Newark Department of Public Works  
MUNICIPALITY Newark COUNTY Essex WATERSHED CODE P  
LOCATION \_\_\_\_\_  
RECEIVING WATERS Passaic River, Second River, Newark Bay, Peripheral Ditch STREAM CLASS SE-3, SE-2  
LICENSED OPERATOR & PLANT CLASS Alvin Zach, Director of Engineering (C-4)  
TRAINEE/ASSISTANT \_\_\_\_\_ OTHER INFO. (201) 733-7994

DEFICIENCIES OR COMMENTS see attached letter

Total of 5 outfalls inspected

OVERALL RATING

☐ Acceptable☐ Conditionally Acceptable☒ Unacceptable

EVALUATOR Tanet Bidesa Carrell TITLE Senior Environmental Specialist

INFORMATION FURNISHED BY (Name) Paul Butler

(Title) Senior Environmental Specialist (Organization) City of Newark

DATE OF INSPECTION March 29, 1989

On March 29, 1989, a Compliance Evaluation Inspection of the City of Newark's combined sewer overflows was conducted. Present during the inspection were the following:

Mr. Paul Butler - Senior Environmental Specialist  
Newark Engineering

Ms. Janet Budesca Carroll - NJDEP, Metro Enforcement

The following is a summary of the observations made during the inspection.

<u>Discharge No. and Location</u>	<u>Receiving Water</u>	<u>Observations</u>
023 Adams Overflow	Newark Bay	No discharges at inspection
025 Peddie Overflow	Newark Bay	Peddie Ditch water discharging to PVSC interceptor
027, 029 Waverly Overflows	Newark Bay	Untreated sewage discharge overflow into ditch
030 Avenue A	Peripheral Ditch	Clear water discharges from outfall



**State of New Jersey**  
**DEPARTMENT OF ENVIRONMENTAL PROTECTION**  
**DIVISION OF WATER RESOURCES**  
 CN 029  
 TRENTON, NEW JERSEY 08625

GEORGE G. McCANN, P.E.  
 DIRECTOR

**NOTICE OF VIOLATION**

DATE March 1, 1989

Metro ENFORCEMENT ELEMENT  
 BUREAU OF REGIONAL ENFORCEMENT  
 TELEPHONE NO. 201 669 3900  
 PCWS # \_\_\_\_\_ TYPE City of Newark DPW NJPDES # NS0024724 TYPE DISCH SW RCRA# \_\_\_\_\_  
 NAME OF FACILITY City of Newark - DPW  
 LOCATION OF FACILITY City Hall MUN. Newark COUNTY Essex  
 FACILITY REPRESENTATIVE AND TITLE Paul Butler Engineering Office

You are hereby NOTIFIED that during an inspection of your facility on the above date, the following violations were noted and remedial actions are required:

DESCRIPTION OF VIOLATION/REMEDIAL ACTION: Discharge from Waverly Overflow  
during heavy weather.  
base dry weather discharge from Waverly Overflow

The above noted violations are in violation of the following N.J. Statutes/Regulation, and will be recorded as part of the permanent enforcement history of your facility:

- ☒ New Jersey Water Pollution Control Act (N.J.S.A. 58:10A-1 et seq.) and appropriate Regulations.
- ☐ New Jersey Safe Drinking Water Act (N.J.S.A. 58:12A-1 et seq.) and appropriate Regulations.
- ☐ New Jersey Water Supply Management Act (N.J.S.A. 58:1A-1 et seq.) and appropriate Regulations.
- ☐ New Jersey Solid Waste Management Act (N.J.S.A. 13:1E-1 et seq.) and appropriate Regulations.
- ☐ New Jersey Underground Storage of Hazardous Substance Act (N.J.S.A. 58:10A-21 et seq.) and appropriate Regulations.

Remedial action to correct the violations must be initiated immediately. Within five (5) calendar days of receipt of this Notice of Violation, you shall telephone the investigator issuing this notice at the above number with the corrective measures you have initiated to attain compliance. The issuance of this document serves as notice to you that the Department has determined that a violation has occurred and does not preclude the State of New Jersey or any of its agencies, from initiation of further administrative or judicial enforcement action, or from assessing penalties, with respect to this or other violations. Violations of these regulations are subject to penalties of up to \$25,000 per day.

Further enforcement action, which will require a written response, may be issued on these violation(s) and any additional violations found during the inspection.

Investigator, Division of Water Resources, DEP

Violation received by  
refused to sign 3/1/89 JBC

White - Original

Canary - Bureau File

Pink - Criminal Justice

Goldenrod - Central File





State of New Jersey

DEPARTMENT OF ENVIRONMENTAL PROTECTION

DIVISION OF WATER RESOURCES

METRO BUREAU OF REGIONAL ENFORCEMENT

2 BABCOCK PLACE  
WEST ORANGE, NEW JERSEY 07052

Eric J. Evenson  
Acting Director

November 1, 1989

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

Mayor and Council  
City of Newark  
City Hall  
Newark, New Jersey 07102

BAB000011

Re: Compliance Evaluation Inspection  
City of Newark - Department of Public Works (Newark)  
NJPDES No. NJ0024724  
Newark/Essex County

Gentlemen:

A Compliance Evaluation Inspection of your facility was conducted by a representative of this Division on October 25, 1989. A copy of the completed inspection report form is enclosed for your information.

Your facility received a rating of "UNACCEPTABLE" due to the following deficiencies:

- 1) Untreated sewage was being discharged from the Avenue A Overflow (Discharge 030) during dry weather conditions.
- 2) Quarterly regulator structure reports still have not been submitted in violation of Part IV-A Section 2A(1) of the Permit.
- 3) Newark has not submitted the engineering report and the plans and specifications to minimize the discharge of pollutants from Discharge Nos. 001 - 029.

A Notice of Violation (NOV) was issued on October 25, 1989 for Deficiency No. 1. above. Newark addressed the NOV and ceased the Avenue A overflow on

EX-111-6-11 2:55  
89 NOV -6-11

October 25, 1989.

Deficiencies No. 2 and No. 3 were brought to your attention following numerous previous inspections and have not, as of this inspection, been corrected.

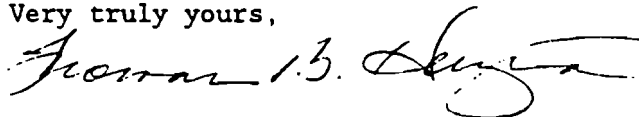
Deficiencies No. 2 and No. 3 noted above are significant violations of the terms and conditions of your NJPDES permit and/or the Water Pollution Control Act Regulations (N.J.A.C. 7:14A-1 et seq.). You are therefore DIRECTED to institute corrective measures. A written report concerning specific details of remedial measures to be instituted, as well as an implementation timetable, must be submitted to this Department and USEPA, Permits Administration Branch, within thirty (30) calendar days of the date of this correspondence.

You are advised that the New Jersey Water Pollution Control Act (N.J.S.A. 58:10A-1 et seq.) provides for substantial monetary and criminal penalties in cases of permit violations.

Please direct all correspondence and inquiries to Janet Budesca Carroll, the Senior Environmental Specialist responsible for this case, who can be reached at (201) 669-3900 or by letter through this Division.

Failure to fully comply with the above will result in the initiation of enforcement action by this Department. This shall in no way be construed, however, to indicate any exemption on your part from possible penalties for violations indicated by the Compliance Evaluation Inspection, as stated above.

Very truly yours,



Thomas B. Harrington  
Supervisor, Surface Water Section  
Metro Bureau of  
Regional Enforcement

E120

cc: Chief, Permits Adm., USEPA  
Patrick Durack, USEPA  
Dr. Trout, H.O.

Enclosure



NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DIVISION OF WATER RESOURCES  
CN 029, Trenton, N.J. 08625

## DISCHARGE SURVEILLANCE REPORT



PERMIT # NJ0024724 NO. OF DISCHARGES 001-030 CLASS MAT/MUN  
DISCHARGER CITY OF Newark Department of Public Works  
OWNER CITY OF Newark Department of Public Works  
MUNICIPALITY Newark COUNTY Essex WATERSHED CODE P  
LOCATION \_\_\_\_\_  
RECEIVING WATERS Passaic River, Second River, Newark Bay, Peripheral Ditch STREAM CLASS SE-2, SE-3  
LICENSED OPERATOR & PLANT CLASS Alvin Zuch, Director of Engineering (C-4)  
TRAINEE/ASSISTANT \_\_\_\_\_ OTHER INFO. (201) 733-4300

DEFICIENCIES OR COMMENTS SEE attached letter

Total of 6 outfalls inspected.

OVERALL RATING ☐ Acceptable ☐ Conditionally Acceptable ☒ Unacceptable

EVALUATOR James P. de la Carail TITLE Senior Environmental Specialist  
Helen V. Wright Env Compliance Investigator I  
INFORMATION FURNISHED BY (Name) Andrea Hall, Mike Lemongello  
(Title) Engineer, Assistant (Organization) CITY OF Newark DPW

DATE OF INSPECTION Oct. 25, 1989



On October 25, 1989, a Compliance Evaluation Inspection of the City of Newark's combined sewer overflows was conducted. Present during the inspection were the following:

Ms. Andrea Hall --- Engineer, City of Newark  
Mr. Mike Lemongello --- Assistant, City of Newark DPW  
Mr. Paul Butler --- Engineer, City of Newark  
Ms. Janet Budesca Carroll --- Metro Enforcement, NJDEP  
Ms. Helen V. Wright --- Metro Enforcement, NJDEP

The following is a summary of the observations made during the inspection.

<u>Discharge No. and Location</u>	<u>Receiving Water</u>	<u>Observations</u>
022 Roanoke Avenue	Passaic River	Slight clear water discharge to river.
025 Peddie Overflow	Newark Bay	Peddie Ditch water discharging to PVSC interceptor.
026 Queen Overflow	Newark Bay	Overflow ditch removed.
027, 029 Waverly Overflows	Newark Bay	Slight discharge from overflow into ditch.
030 Avenue A	Peripheral Ditch	Rt. 21 and Emmet Street regulator discharging to Avenue A overflow during dry weather conditions.



*Central  
File*

**State of New Jersey**

**DEPARTMENT OF ENVIRONMENTAL PROTECTION**

**DIVISION OF WATER RESOURCES**

**METRO BUREAU OF REGIONAL ENFORCEMENT**

**2 BABCOCK PLACE  
WEST ORANGE, NEW JERSEY 07052**

Eric J. Evenson  
Acting Director

November 1, 1989

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

Mayor and Council  
City of Newark  
City Hall  
Newark, New Jersey 07102

Re: Compliance Evaluation Inspection  
City of Newark - Department of Public Works (Newark)  
NJPDDES No. NJ0024724  
Newark/Essex County

Gentlemen:

A Compliance Evaluation Inspection of your facility was conducted by a representative of this Division on October 25, 1989. A copy of the completed inspection report form is enclosed for your information.

Your facility received a rating of "UNACCEPTABLE" due to the following deficiencies:

- 1) Untreated sewage was being discharged from the Avenue A Overflow (Discharge 030) during dry weather conditions.
- 2) Quarterly regulator structure reports still have not been submitted in violation of Part IV-A Section 2A(1) of the Permit.
- 3) Newark has not submitted the engineering report and the plans and specifications to minimize the discharge of pollutants from Discharge Nos. 001 - 029.

A Notice of Violation (NOV) was issued on October 25, 1989 for Deficiency No. 1. above. Newark addressed the NOV and ceased the Avenue A overflow on

October 25, 1989.

Deficiencies No. 2 and No. 3 were brought to your attention following numerous previous inspections and have not, as of this inspection, been corrected.

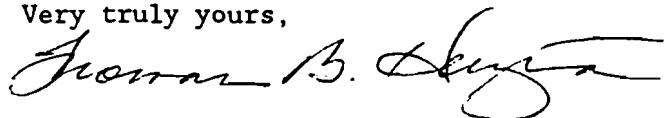
Deficiencies No. 2 and No. 3 noted above are significant violations of the terms and conditions of your NJPDES permit and/or the Water Pollution Control Act Regulations (N.J.A.C. 7:14A-1 et seq.). You are therefore DIRECTED to institute corrective measures. A written report concerning specific details of remedial measures to be instituted, as well as an implementation timetable, must be submitted to this Department and USEPA, Permits Administration Branch, within thirty (30) calendar days of the date of this correspondence.

You are advised that the New Jersey Water Pollution Control Act (N.J.S.A. 58:10A-1 et seq.) provides for substantial monetary and criminal penalties in cases of permit violations.

Please direct all correspondence and inquiries to Janet Budesa Carroll, the Senior Environmental Specialist responsible for this case, who can be reached at (201) 669-3900 or by letter through this Division.

Failure to fully comply with the above will result in the initiation of enforcement action by this Department. This shall in no way be construed, however, to indicate any exemption on your part from possible penalties for violations indicated by the Compliance Evaluation Inspection, as stated above.

Very truly yours,



Thomas B. Harrington  
Supervisor, Surface Water Section  
Metro Bureau of  
Regional Enforcement

E120

cc: Chief, Permits Adm., USEPA  
Patrick Durack, USEPA  
Dr. Trout, H.O.

Enclosure

-3-

bc: Zaheer Hussain  
Central File  
Criminal Justice



NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DIVISION OF WATER RESOURCES  
CN 029, Trenton, N.J. 08625



## DISCHARGE SURVEILLANCE REPORT

PERMIT # NT00024724 NO. OF DISCHARGES 001-030 CLASS MAT/MUN  
DISCHARGER CITY OF Newark Department of Public Works  
OWNER CITY OF Newark Department of Public Works  
MUNICIPALITY Newark COUNTY Essex WATERSHED CODE P  
LOCATION \_\_\_\_\_  
RECEIVING WATERS Passaic River, Second River  
Newark Bay, Peripheral Ditch STREAM CLASS SE-2, SE-3  
LICENSED OPERATOR & PLANT CLASS Alvin Zuch, Director of Engineering (C-4)  
TRAINEE/ASSISTANT \_\_\_\_\_ OTHER INFO. (201) 733-4300

DEFICIENCIES OR COMMENTS SEE attached letter

Total of 6 outfalls inspected.

OVERALL RATING ☐ Acceptable ☐ Conditionally Acceptable ☒ Unacceptable

EVALUATOR Jane P. Galesa Carroll TITLE Senior Environmental Specialist  
Helen V. Wright Env Compliance Investigator I

INFORMATION FURNISHED BY (Name) Andrica Hall, Mike Lemongello  
(Title) Engineer, Assistant (Organization) CITY OF Newark DPW

DATE OF INSPECTION Oct 25, 1989

On October 25, 1989, a Compliance Evaluation Inspection of the City of Newark's combined sewer overflows was conducted. Present during the inspection were the following:

Ms. Andrea Hall --- Engineer, City of Newark  
Mr. Mike Lemongello --- Assistant, City of Newark DPW  
Mr. Paul Butler --- Engineer, City of Newark  
Ms. Janet Budesa Carroll --- Metro Enforcement, NJDEP  
Ms. Helen V. Wright --- Metro Enforcement, NJDEP

The following is a summary of the observations made during the inspection.

<u>Discharge No. and Location</u>	<u>Receiving Water</u>	<u>Observations</u>
022 Roanoke Avenue	Passaic River	Slight clear water discharge to river.
025 Peddie Overflow	Newark Bay	Peddie Ditch water discharging to PVSC interceptor.
026 Queen Overflow	Newark Bay	Overflow ditch removed.
027, 029 Waverly Overflows	Newark Bay	Slight discharge from overflow into ditch.
030 Avenue A	Peripheral Ditch	Rt. 21 and Emmet Street regulator discharging to Avenue A overflow during dry weather conditions.



State of New Jersey  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DIVISION OF WATER RESOURCES  
CN 029  
TRENTON, NEW JERSEY 08625

GEORGE G. McCANN, P.E.  
DIRECTOR

NOTICE OF VIOLATION

DATE 11/08/88

ENFORCEMENT ELEMENT  
BUREAU OF REGIONAL ENFORCEMENT  
TELEPHONE NO. 609-771-1111

PCWS # \_\_\_\_\_ TYPE SUPPLY NJPDES # 01000004 TYPE DISCH RCRA # \_\_\_\_\_  
NAME OF FACILITY \_\_\_\_\_  
LOCATION OF FACILITY \_\_\_\_\_ MUN. BRIDGEWATER COUNTY GLoucester  
FACILITY REPRESENTATIVE AND TITLE \_\_\_\_\_

You are hereby NOTIFIED that during an inspection of your facility on the above date, the following violations were noted and remedial actions are required:

DESCRIPTION OF VIOLATION/REMEDIAL ACTION: Violations noted during inspection on 11/08/88. 1. No permit for discharge of water into the river. 2. No permit for storage of hazardous materials. 3. No permit for use of pesticides. Remedial actions initiated immediately.

The above noted violations are in violation of the following N.J. Statutes/Regulation, and will be recorded as part of the permanent enforcement history of your facility:

- ☐ New Jersey Water Pollution Control Act (N.J.S.A. 58:10A-1 et seq.) and appropriate Regulations.
- ☐ New Jersey Safe Drinking Water Act (N.J.S.A. 58:12A-1 et seq.) and appropriate Regulations.
- ☐ New Jersey Water Supply Management Act (N.J.S.A. 58:1A-1 et seq.) and appropriate Regulations.
- ☐ New Jersey Solid Waste Management Act (N.J.S.A. 13:1E-1 et seq.) and appropriate Regulations.
- ☐ New Jersey Underground Storage of Hazardous Substance Act (N.J.S.A. 58:10A-21 et seq.) and appropriate Regulations.

Remedial action to correct the violations must be initiated immediately. Within five (5) calendar days of receipt of this Notice of Violation, you shall telephone the investigator issuing this notice at the above number with the corrective measures you have initiated to attain compliance. The issuance of this document serves as notice to you that the Department has determined that a violation has occurred and does not preclude the State of New Jersey or any of its agencies, from initiation of further administrative or judicial enforcement action, or from assessing penalties, with respect to this or other violations. Violations of these regulations are subject to penalties of up to \$25,000 per day.

Further enforcement action, which will require a written response, may be issued on these violation(s) and any additional violations found during the inspection.

Violation received by \_\_\_\_\_

[Signature]  
Investigator, Division of Water Resources, DEP

White - Original

Canary - Bureau File

Pink - Criminal Justice

Goldenrod - Central File

New Jersey Is An Equal Opportunity Employer

TIERRA-A-012452







**State of New Jersey**  
**DEPARTMENT OF ENVIRONMENTAL PROTECTION**  
**DIVISION OF WATER RESOURCES**  
**METRO BUREAU OF REGIONAL ENFORCEMENT**  
2 BABCOCK PLACE  
WEST ORANGE, NEW JERSEY 07052

(201) 669-3900

November 21, 1990

Mayor and Council  
City of Newark  
City Hall  
920 Broad Street  
Newark, NJ 07102

Re: Compliance Evaluation Inspection  
City of Newark - Department of Public Works (Newark)  
NJPDES No. NJ 0024724  
Newark/Essex County

Gentlemen:

A Compliance Evaluation Inspection of your facility was conducted by a representative of this Division on October 29, 1990. A copy of the completed inspection report form is enclosed for your information.

Your facility received a rating of "UNACCEPTABLE" due to the following deficiencies:

1. Untreated sewage was being discharged from the Adams overflow (Discharge 023) during dry weather.
2. The Queens overflow line remains collapsed.
3. Quarterly regulator structure reports have not been submitted in violation of Part IV-A Section 2A(1) of the Permit.

A Notice of Violation (NOV) was issued on October 29, 1990 for Deficiency No. 1 above. The City of Newark responded within five (5) days to report the corrective actions taken had not ceased the discharge. This issue will be addressed under separate correspondence.

Deficiency No. 2 and No. 3 have been brought to your attention during numerous previous inspections and have not, as of this inspection, been corrected.

**BAB000015**

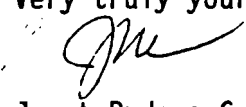
Deficiencies No. 2 and 3 have placed your facility in significant violation of the terms and conditions of your NJPDES permit and/or the Water Pollution Control Act Regulations (N.J.A.C. 7:14A-1 et seq.). You are therefore DIRECTED to institute corrective measures. A written report concerning specific details of remedial measures to be instituted, as well as an implementation timetable, must be submitted to this Department and USEPA, Permits Administration Branch within thirty (30) calendar days of the date of this correspondence.

You are advised that the New Jersey Water Pollution Control Act (N.J.S.A. 58:10A-1 et seq.) provides for substantial monetary and criminal penalties in cases of permit violations.

Please direct all correspondence and inquiries to Kathleen P. Beyer, the Senior Environmental Specialist responsible for this case, who can be reached at (201) 669-3900 or by letter through this Bureau.

Failure to fully comply with the above will result in the initiation of enforcement action by this Department. This shall in no way be construed, however, to indicate any exemption on your part from possible penalties for violations indicated by the Compliance Evaluation Inspection as stated above.

Very truly yours,

  
Janet Budesca Carroll  
Acting Supervisor  
Surface Water and  
Sewer System Enforcement  
Metro Bureau of  
Regional Enforcement

E17:G25

c: Chief - Permits Administration Branch, USEPA  
Mr. Patrick M. Durack, USEPA  
Dr. Adwale Troutman, H.O.

Enclosure

bc: Zaheer M. Hussain, Enforcement  
James Lyko, Criminal Justice  
Central File



NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DIVISION OF WATER RESOURCES  
CN 029, Trenton, N.J. 08625

## DISCHARGE SURVEILLANCE REPORT



PERMIT # NJ 0024724 NO. OF DISCHARGES 001-030 CLASS MAJ/HUN  
DISCHARGER City of Newark Department of Public Works  
OWNER City of Newark Department of Public Works  
MUNICIPALITY Newark COUNTY Essex WATERSHED CODE P  
LOCATION \_\_\_\_\_  
RECEIVING WATERS Passaic River, Second River  
Newark Bay, Peripheral Ditch STREAM CLASS SE-2, SE-3  
LICENSED OPERATOR & PLANT CLASS Alvin Zach, Director of Engineering (C-4)  
TRAINEE/ASSISTANT \_\_\_\_\_ OTHER INFO. (201) 733-

DEFICIENCIES OR COMMENTS See Attached Letter

Total of 11 outfalls inspected.

Permit Status: Expires June 30, 1991

OVERALL RATING

☐ Acceptable☐ Conditionally Acceptable☒ Unacceptable

EVALUATOR Kathleen P. Beyer TITLE Senior Environmental Specialist  
INFORMATION FURNISHED BY (Name) Paul Butler, Tibi Illyes, and George Piegario  
(Title) Env. Specialist, Principal Eng. Superintendent (Organization) City of Newark DPW

DATE OF INSPECTION October 29, 1990

On October 29, 1990, a Compliance Evaluation Inspection of the City of Newark's combined sewer overflows was conducted. Present during the inspection were the following:

Mr. Paul Butler - - Environmental Specialist, City of Newark  
Mr. Tibi Illyes - - Principal Engineer, City of Newark DPW  
Mr. George Piegario -- Superintendent, Division of Sewers, DPW  
Ms. Kathleen P. Beyer -- Senior Environmental Specialist, NJDEP

The following is a summary of the observations made during the inspection.

<u>Discharge No. and Location</u>	<u>Receiving Water</u>	<u>Observations</u>
001 Meadowbrook Storm Overflow Sewer	Second River	Clear water discharge to river.
006 Overflow North of Oriental Street	Passaic River	No discharge.
026 Queen Overflow	Newark Bay	Overflow line collapsed.
025 Peddie Overflow	Newark Bay	Peddie Ditch water entering PVSC interceptor.
028 Haynes Avenue Combined Overflow	Newark Bay	Clear water slowly discharging to ditch.
027, 029 Waverly Overflows	Newark Bay	Clear water discharging to ditch. Traced to construction dewatering site.
023 Adams Overflow	Newark Bay	Untreated sewage discharging to ditch during dry weather.
022 Roanoke Avenue Overflow	Passaic River	No discharge.
021 Blanchard Street Storm Sewer	Passaic River	Flap gate below level of river.
019 Brown Street Storm Sewer	Passaic River	Outfall could not be observed. Located on Sherwin Williams property.



STATE OF NEW JERSEY  
NEW JERSEY STATE DEPARTMENT OF HEALTH  
STREAM POLLUTION CONTROL PROGRAM

STATUS REPORT  
CITY OF NEWARK

COMBINED SEWER IN MC CLELLAN STREET  
CARRYING HAZARDOUS INDUSTRIAL WASTES

INVESTIGATION BY MESSRS. HUGHES AND NEFF

DECEMBER 1963

INTRODUCTION:

The Municipal Council of the City of Newark, by action in June 1963, directed the City Clerk to communicate with this Department and to request an investigation into the matter of "highly volatile explosive vapors and liquids" resulting from certain industrial waste discharges into the McClellan Street sewer, owned and operated by the City of Newark.

Previous investigations by the City and its consultants have determined that inflammable liquids or gases arising from this sewer were the cause of several fires resulting in one death and considerable property destruction on past occasions. The investigation also tentatively identified the suspected sources of the industrial wastes concerned. The City Clerk's letter stated that the condition still persists and that on several occasions the affected street has been closed to avoid possible further injury.

It appears that the McClellan Street sewer, carrying combined sewage, industrial waste and storm water, has been subject to surcharging at times of heavy rains, resulting in manholes overflowing and the street being flooded in the vicinity of its underpass below the Pennsylvania Railroad. Motor vehicles passing through the water have apparently started fires resulting in human injury and damage to the vehicles. This has been presumed due either to a floating flammable substance on the water surface or to an explosive gas arising from the sewer contents at times of manhole overflow.

Although no explosion or fire has been reported in the sewer itself, such a possibility cannot be ruled out and suggests itself as a persistent danger. In view of the grave possible hazard of these conditions, it is incumbent on this Department to cooperate with the City of Newark in reaching a solution to the problem.

PERSONS INTERVIEWED:

The writers, in obtaining the information presented herein, held conferences on December 17, 1963 with the following persons:

Ralph G. Caprio, Superintendent,  
Newark Department of Public Works,  
Room #207, City Hall

Robert VanRiper, Division Engineer,  
Bureau of Sewers,  
Newark City Hall

Raymond Wetmore,  
Jersey Testing Laboratories, Inc.  
154 Wright Street, Newark

BAC000003

PERSONS INTERVIEWED: (continued)

Messrs. Mumree and Koppenhaver, of the Air Sanitation Program of this Division, were also approached by the writers relative to their possible participation in the investigation. Their knowledge, experience and equipment would be highly desirable in this study.

THE MC CLELLAN STREET SEWER:

According to a sewer map furnished by the Bureau of Sewers of the City of Newark, the McClellan Street sewer drains a limited commercial and industrial area along Frelinghuysen Avenue and McClellan Street, with short tributary feeders in Virginia Avenue, Carrington Street, VanBoghten Street, Carnegie Avenue and Floral Avenue. The industrial area between McClellan Street and the Elizabeth city line contributes to this 30" trunk sewer through a 24" industrial line across lots between Virginia Avenue and McClellan Street, and it is this line which has been implicated in previous investigations of explosion hazards. Known contributors of industrial waste and sewage to this 24" line include:

Nuodex Products, Inc.,  
Division of Heyden-Newport Chemical Corp.,  
1 Virginia Avenue

Orbis Products Corporation,  
55 Virginia Avenue

Peter J. Schweitzer, Inc.,  
Division of Kimberly-Clark Corp.,  
996 Frelinghuysen Avenue

R. Conte, Inc.,  
47 McClellan Street

With respect to the Peter J. Schweitzer industry, it is noted that this plant is located partly in the City of Elizabeth but discharges effluent into the Newark sewer system at Virginia Avenue.

The McClellan Street sewer discharges into a 36" X 54" trunk sewer on the eastern side of the Pennsylvania Railroad right-of-way, which flows thence northerly to certain ditches connecting with Newark Bay. The City of Newark is under orders by this Department to cease this direct pollution of Newark Bay. Preliminary plans have been drawn for a South Side Interceptor system and it is understood the City has authorized an appropriation to complete the final engineering design. When completed, the South Side Interceptor will carry this sewage to the treatment plant of Passaic Valley Sewerage Commission in Newark. This improvement, however, will in no way reduce the present possibility of a fire or explosion resulting from the deposition of volatile or flammable substances into the sewer system.

CITY SEWER ORDINANCE:

The Newark City Ordinance, as amended in 1960, specifically prohibits the following discharges to the sanitary sewer system:

1. Stormwaters, except where "combined" sewers are provided.
2. Gasoline, benzene, naphtha, fuel oil, or other flammable or explosive liquid, solid or gas.
3. Excessively warm liquids or boiler blowoff.
4. Wastes with pH values below 4.6 or above 9.6.
5. Wastes constituting a hazard to any person or containing noxious gas or substances capable of creating a public nuisance.

It is understood the McClellan Street sewer problem is now being handled by the City Attorney for possible action against certain supposed violators.

STORM WATER PUMPING STATION:

The City is currently constructing an emergency sewage pumping station on the northern side of McClellan Street just east of the Pennsylvania Railroad underpass, equipped with two automatic pumps. When in service, this station will operate in cases of sewer surcharging in order to relieve local flooding due to overflowing manholes in the sump-like underpass. Presumably this will operate during severe storms and will prevent sewer surcharging by lifting excess flow from the sewer to another point in the drainage system.

In the past, the fire disasters have been localized to the underpass and have occurred only when the street was flooded. Although the pumping station may prevent future street flooding, there is no guarantee that fire may not occur elsewhere, even possibly at the sewage treatment plant, as long as the sewer carries any flammable substance.

OTHER SAFETY PRECAUTIONS:

Manhole covers have been sealed by the City Bureau of Sewers to prevent the escape of gases. Numerous tests for possible explosive mixtures have been run by the Fire Department and the Jersey Testing Laboratories. When local street flooding occurs or threatens, the Fire Department may at its discretion close McClellan Street to traffic.

JERSEY TESTING LABORATORIES REPORT:

In a report to the City dated April 5, 1963, the following summarized facts and opinions were brought out by Jersey Testing Laboratories:

1. The probable source or sources of the explosive materials in the McClellan Street sewer were one or more of the local industries (named above). However, sampling of the R. Conte industry was not carried out because of an "extremely small effluent."



JERSEY TESTING LABORATORIES REPORT. (continued)

2. Detection of combustible gases was infrequent, but when detection was possible there was a distinct odor of benzene from the sewer. Further, the presence of such gases appeared associated with accumulations of floating sludge in the sewer, observed through manholes. The identification of benzene in the sewage, by analysis, was not always possible.
3. Most of the volume of flow entering the McClellan Street sewer from the suspected line came from the Peter J. Schweitzer industry, carrying considerable suspended solids content.
4. The sewage carried a large amount of ether-soluble oils, most of which were determined to come from the Schweitzer industry.
5. The sewer lines appeared inadequate to handle the quantity of flow. Additional storm flows would result in overflowing.
6. While no free benzene was found in any of the effluents sampled, the chemicals used by Orbis Products could possibly react under certain conditions to release benzol.
7. "It is apparent that the mixture of chemicals reacts and releases benzol" which is then caught up in masses of floating solids and finally escapes as a gas into the atmosphere from manholes.

In interviewing Mr. Wetmore, he stated that in his opinion no single industry in the area could be charged with depositing combustible matter into the sewer, but when the three effluents combined in some manner, a combustible gas or fumes of benzol could evolve from a mutual reaction.

SAMPLE ANALYSES:

On December 17, 1963, the writers caught a single sample of sewage from the junction manhole on the McClellan Street sewer below the Conte premises. The sewer contents were very warm and the vapors had a distinct odor of aromatic chemicals. The flow from the industries was estimated at the time at about 500 G.P.M. The following analyses were derived from the sample:

Sample number	S-111424
Suspended solids, ppm	260
Nitrate nitrogen, ppm	2.0
pH	4.2
Chloride, ppm	285
Odor	VC - A
Ether solubles, ppm	76
Sulfite, ppm	2.5

There was a positive indication of acetate in the sample. Benzol and toluol were not detected.

The foregoing analyses would indicate some violations of the Newark Sewer Ordinance with respect to pH, temperature, aromatic substances (by odor) and ether-soluble oils or other matter.

CONCLUSIONS AND RECOMMENDATION:

Aside from the fact that a major contributor (Peter J. Schweitzer, Inc.) to the suspected industrial sewer is mainly situated outside the City of Newark, the overall problem presented herein is confined to the City and will have to be handled at the local level. The findings of Jersey Testing Laboratories, and the entire case, are being handled by the City Attorney's office.

The City has formally requested this Department to participate in the investigation, and it might therefore be assumed that the City lacks sufficient information on the problem to take the necessary further steps. If additional studies are necessary, and requested by the City, this Department should lend its cooperation in any possible manner, since this would appear potentially a very serious matter.

It has been suggested that the new stormwater pumping station on McClellan Street will prevent local street flooding and hence minimize the fire hazards. This, however, constitutes no assurance of ultimate safety and will not eliminate the basic conditions that have been responsible for past accidents. Fires could still occur in the pumping station or even in the sewage treatment plant after this sewer is connected to the Passaic Valley sewer system. The best final solution to this problem will have to be concerned with its origins, i.e., in the industrial wastes that caused the explosive conditions.

Respectfully submitted,

*H. H. Hughes*

Harry H. Hughes,  
Principal Public Health Engineer

*Frederick J. Neff*

Frederick J. Neff,  
Senior Public Health Engineer

6E3:07

**NEW JERSEY STATE DEPARTMENT OF HEALTH**  
**STREAM POLLUTION CONTROL PROGRAM**

**STATUS REPORT**  
**CITY OF NEWARK**

**COMBINED SEWER IN MC CLELLAN STREET**  
**CARRYING HAZARDOUS INDUSTRIAL WASTES**

**INVESTIGATION BY MESSRS. HUGHES AND NEFF**

**DECEMBER 1963**

**INTRODUCTION:**

The Municipal Council of the City of Newark, by action in June 1963, directed the City Clerk to communicate with this Department and to request an investigation into the matter of "highly volatile explosive vapors and liquids" resulting from certain industrial waste discharges into the McClellan Street sewer, owned and operated by the City of Newark.

Previous investigations by the City and its consultants have determined that inflammable liquids or gases arising from this sewer were the cause of several fires resulting in one death and considerable property destruction on past occasions. The investigations also tentatively identified the suspected sources of the industrial wastes concerned. The City Clerk's letter stated that the condition still persists and that on several occasions the affected street has been closed to avoid possible further injury.

It appears that the McClellan Street sewer, carrying combined sewage, industrial waste and storm water, has been subject to surcharging at times of heavy rains, resulting in manholes overflowing and the street being flooded in the vicinity of its underpass below the Pennsylvania Railroad. Motor vehicles passing through the water have apparently started fires resulting in human injury and damage to the vehicles. This has been presumed due either to a floating flammable substance on the water surface or to an explosive gas arising from the sewer contents at times of manhole overflow.

Although no explosion or fire has been reported in the sewer itself, such a possibility cannot be ruled out and suggests itself as a persistent danger. In view of the grave possible hazard of these conditions, it is incumbent on this Department to cooperate with the City of Newark in reaching a solution to the problem.

**PERSONS INTERVIEWED:**

The writers, in obtaining the information presented herein, held conferences on December 17, 1963 with the following persons:

Ralph G. Caprio, Superintendent,  
Newark Department of Public Works,  
Room #207, City Hall

Robert VanRiper, Division Engineer,  
Bureau of Sewers,  
Newark City Hall

Raymond Wetmore,  
Jersey Testing Laboratories, Inc.  
154 Wright Street, Newark

**PERSONS INTERVIEWED: (continued)**

Messrs. Messers and Kappenhaver, of the Air Sanitation Program of this Division, were also approached by the writers relative to their possible participation in the investigation. Their knowledge, experience and equipment would be highly desirable in this study.

**THE MC CLELLAN STREET SEWER:**

According to a sewer map furnished by the Bureau of Sewers of the City of Newark, the McClellan Street sewer drains a limited commercial and industrial area along Prelinghuysen Avenue and McClellan Street, with short tributary feeders in Virginia Avenue, Carrington Street, Vanhooken Street, Carnegie Avenue and Floral Avenue. The industrial area between McClellan Street and the Elizabeth city line contributes to this 30" trunk sewer through a 24" industrial line across lots between Virginia Avenue and McClellan Street, and it is this line which has been implicated in previous investigations of explosion hazards. Known contributors of industrial waste and sewage to this 24" line include:

Muodex Products, Inc.,  
Division of Heyden-Newport Chemical Corp.,  
1 Virginia Avenue

Orbis Products Corporation,  
55 Virginia Avenue

Peter J. Schweitzer, Inc.,  
Division of Kimberly-Clark Corp.,  
996 Prelinghuysen Avenue

R. Conte, Inc.,  
47 McClellan Street

With respect to the Peter J. Schweitzer industry, it is noted that this plant is located partly in the City of Elizabeth but discharges effluent into the Newark sewer system at Virginia Avenue.

The McClellan Street sewer discharges into a 36" X 54" trunk sewer on the eastern side of the Pennsylvania Railroad right-of-way, which flows thence northerly to certain ditches connecting with Newark Bay. The City of Newark is under orders by this Department to cease this direct pollution of Newark Bay. Preliminary plans have been drawn for a South Side Interceptor system and it is understood the City has authorized an appropriation to complete the final engineering design. When completed, the South Side Interceptor will carry this sewage to the treatment plant of Passaic Valley Sewerage Commission in Newark. This improvement, however, will in no way reduce the present possibility of a fire or explosion resulting from the deposition of volatile or flammable substances into the sewer system.



NEW JERSEY STATE DEPARTMENT OF HEALTH  
STREAM POLLUTION CONTROL PROGRAM  
EXAMINING ENGINEER'S REPORT

S-9-64-1742  
September 9, 1964

Municipality.....City of Newark  
County.....Essex  
Organization.....Mayor and Council  
Owners and Operators.....City of Newark  
Location of Project.....Waverly, Queen and Peddie districts in South Side  
of City of Newark  
Engineers.....Elson T. Killam Associates  
Millburn, New Jersey  
Mr. Elson T. Killam N. J. License # 3125  
Subject.....Proposed construction of South Side Interceptor  
Sewer  
Application.....Dated August 26, 1964 and signed by Mr. Ralph S. Capri  
Director of Public Works  
Authority.....Resolution of Municipal Council adopted  
February 5, 1964  
Estimated Cost.....\$7,000,000.00

Source of Information

1. Application dated August 26, 1964, received September 8, 1964
2. Engineer's Report dated April 28, 1964 - 1 copy
3. Supplementary Engineer's Report dated August 26, 1964 - 1 copy
4. Specifications for South Side Interceptor Sewer dated July, 1964 - 1 copy
5. Plans of South Side Interceptor Sewer dated July, 1964 - 1 copy
6. Letter to Engineer from Department dated May 1, 1964

Disposal of Raw Sewage

To Passaic Valley Sewerage Commissioners Treatment Plant

Receiving Waters of Treated Waste

New York Bay

BAC000007

Basis of Design

It is proposed to construct an interceptor sewer to collect the combined sewage from

three districts in the south side of Newark and to discharge same into the sanitary sewer of the Passaic Valley Sewerage Commissioners near its treatment plant on Wilson Avenue. The sewage is presently discharged untreated into ditches leading to Newark Bay.

The three districts known as Waverly, Queen and Reddie have the following characteristics:

	<u>Area Available</u>	<u>Population</u>	<u>Dry Weather Flow</u>		<u>Interceptor Capacity</u>	<u>Ratio</u>
		Present	Present	Estimated Future Summ.		Capacity to Future Flow
Waverly	325 acres	5,300	1510 gpcpd 6.2 mgd	11.3 mgd	29.0 mgd	2.57
Queen	549 acres	19,000	263 gpcpd 5.0 mgd	18.3 mgd	49.0 mgd	2.68
Reddie	1520 acres	112,000	159 gpcpd 18.0 mgd	40.0 mgd	80.0 mgd	2.00

It may be noted that Waverly and Queen are predominately industrial while Reddie is largely residential. The Waverly and Queen sewage wastes are highly concentrated with high TDS and suspended solids; the Reddie sewage is domestic. The Waverly sewage is said to be 33% stronger than Reddie; Queen sewage is 2.1 times stronger than Reddie. Consequently, it is proposed to provide greater sewer capacity in the industrial reaches so as to intercept a larger proportion of such sewage for disposal in the treatment plant. Hence, the larger ratios in these two districts of capacity to dry weather flow.

The existing combined sewerage system has capacity far in excess of the dry weather sanitary sewage flow. Waverly 30 to 1; Queen 25.1 and Reddie 90 to 1. Consequently it will be necessary to discharge the excess storm water to ditches leading to Newark Bay from regulator gates at each district outlet. It is proposed to install a slide gate, regulator with adjustable orifice and Venturi flume at each outlet. The regulator equipment is automatically float controlled. During storm flow, the adjustable orifice admits a portion of the flow to the interceptor sewer through a Venturi flume. There is a flow recorder on the upstream side of the Venturi and a water level recorder on the downstream side.

The main storm water flow passes out to a ditch through large rectangular orifices with sill about 1' above the invert of the channel carrying the dry weather sewage flow. Tide gates are attached to these orifices to prevent backflow into the interceptor from temporarily flooded ditches.

The Venturi flume will record the total volume diverted to the interceptor at the outlet of each district. The sum of the three Venturi readings will be the grand total of sewage entering the Passaic Valley treatment plant. The Venturi flume with tapered section and free water surface is believed to be the most practicable measuring device under the conditions of occasional heavy grit load.

The sewer will consist of reinforced concrete pipe, Classes III and IV, with rubber and

steel joints. About 625' of 84" and 60" sewer will be constructed in tunnel under several railroads. There are also several ditch crossings and highway crossings including one of the New Jersey Turnpike.

There will also be provided sewage regulator, tide gates, and metering equipment at three principal junctions. One 84" motor operated sluice gate will be furnished and installed at the junction with the Passaic Valley Sewerage Commissioners main trunk sewer.

### Sanitary Sewer Alignment

<u>Location</u>	<u>From</u>	<u>To</u>
ROW	Existing PVSC trunk	Manhole 1
Delancey Street	Manhole 1	Drop Manhole 2
ROW	Drop Manhole 2	Manhole 4
ROW	Manhole 4	Manhole 8
ROW	Manhole 8	Drop Manhole 9
ROW	Drop Manhole 9	Manhole 13
ROW	Manhole 13	Peddle Junction
ROW	Peddle Junction	Queen Junction
ROW	Queen Junction	Waverly Junction
ROW	Waverly Junction	Existing Manhole 26
ROW	Peddle Junction	Peddle Regulator

<u>Footage</u>	<u>Diameter</u>	<u>Type</u>	<u>Minimum Grade</u>
14,464'	84"	RCP	0.038%
1,831'	66"	RCP	.05%
705'	60"	RCP	.06%
5,294'	54"	RCP	.05%
930'	36"	RCP	.067%

<u>Maximum Manhole Spacing</u>	<u>Manholes</u>
1,000'	31

Joints: Manufacturer's Standard



Discussion

Although the distance between manholes exceeds the 500' distance required by our Rules and Regulations, the diameter of this interceptor is very large, from 54" to 84" in the main reaches, consequently, it would be easily possible for a man to walk through the sewer for maintenance purposes. Under these circumstances, it is believed that the 500' distance requirement may be waived with safety.

Diversion Facilities

Three reinforced concrete diversion facilities are to be constructed at Waverly, Jean and Peddie junctions.

Each facility will provide a control slide gate on the inlet, a Brown & Brown sewage regulator with adjustable orifice and a Venturi flume with recorder and water level gauge.

The excess storm flow will discharge through large rectangular orifices complete with tide gates to prevent back flow from temporarily flooded outlet ditches.

Recommendation

The plans, specifications and allied data relative to this project have been examined and substantial compliance with the Rules and Regulations of the Department has been noted.

It is recommended that a permit be issued for construction and operation subject to conditions common to all projects.

Respectfully submitted,

*mmg*

Mortimer G. Adams  
Principal Public Health Engineer

6213: 2.



## Necessary Move

**N**EW JERSEY waters are being classified by the State Health Department as a preliminary to the establishment of regulations designed to end or minimize the pollution that afflicts them all.

Newark Bay and the Passaic River, for example, have been classified as "Tidal Water III" from the Central Railroad bridge to the head of tide in the Clifton-Garfield area. This minimum classification requires corrective measures that will permit the survival of fish, the elimination of paint damage to pleasure craft and unpleasant odors.

From "Tidal Water III" the classification range upward to "Fresh Water I," which means water clean enough to drink. Remedial measures, ascending in stringency and scope, will be demanded for each classification.

As it has already done in the Raritan River and Bay area, the department will issue a general set of regulations for protecting the waters in each classification. Industries and municipalities will get individual orders telling them what steps they must take to insure that the standards of purity are met.

A big improvement in Newark Bay will come with completion by Newark of its South Side interceptor sewer. It will divert to the Passaic Valley Sewerage Commission's treatment plant approximately 30 million gallons of raw sewage that now pours daily through open ditches into the bay.

Some indication of the enormous cost of combating pollution of New Jersey waters is provided by this four-mile sewer. Estimates of its cost originally \$7.5 million, have risen to \$10.5 million.

But if New Jersey is to grow and prosper if it is to have both a healthful environment and adequate water supplies for future industrial and domestic needs, the task must be accomplished and with all possible speed.

It cannot, of course, be done overnight or without a greater expenditure of public and private funds than are immediately available. But the public welfare requires that the state make no unreasonable delay.



ELLEN GALT, Chairman  
JAMES C. KELLOGG, III, Vice Chairman  
HOWARD S. COLLAMER, Treasurer  
SEYMOUR S. BRILL  
JOHN A. CLANCY  
CHARLES W. ENGELHARD

ALEXANDER HALPERN  
DONALD V. LOWE  
JOSEPH A. MARTINO  
RAYARD F. POPE  
BEN REGAN  
W. PAUL STILLMAN

# THE PORT OF NEW YORK AUTHORITY 3

111 Broadway, New York, N.Y. 10011

Tel. 620-7271

## EXECUTIVE OFFICES

Arthur J. Felsin  
Executive Director

July 26, 1965

Hon. Richard J. Hughes  
State House  
Trenton, N.J.

My dear Governor:

Thank you for your letter concerning Dr. Kandle's suggestion that temporary piping and covering could be installed to solve the problem of odors caused by sewage from the City of Newark flowing through the peripheral drainage ditch at Newark Airport.

First, may I explain that in referring to a multi-million dollar project, Mr. Klos of our staff was talking about the redevelopment of Newark Airport and specifically the \$12,000,000 contract for the placement of fill which is now in progress at the airport. This statement was in answer to Mr. McGoohan's proposal to realign and/or close the peripheral ditch and reopen the old drainage ditches which crisscrossed the center of Newark Airport. This entire area is now covered by five million cubic yards of sand which has been placed to stabilize this area of the airport for the construction of the new Newark terminal development. Consequently, it would be unfeasible to follow Mr. McGoohan's suggestion, and he agreed with this when Mr. Klos explained the situation.

I had our Engineering staff look into the suggestion of temporary piping being installed to carry the waste through the airport. The problem is more complex than it appears to be on the surface. The present drainage system in the City of Newark areas off the airport is a combination system in which sanitary sewage and storm flow are carried in the same pipes. To give you an idea of the magnitude of the problem, approximately 1,880 acres of the Paddie district, 440 acres from the Wheeler district, 420 acres of the Adams district, 890 acres of the Queens district and 300 acres of the Waverly district (all districts in City of Newark) is carried through a series of culverts and pipes and eventually is discharged into the peripheral ditch on the airport.

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Hon. Richard J. Hughes

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July 26, 1965

the City as a storage basin to accommodate both storm and sanitary drainage until a change in the tidal elevation in the Newark Bay permits flow from the ditch into the Elizabeth Channel.

The sanitary sewage portion of the total discharge into the airport from the areas mentioned above is estimated to amount to less than five per cent of the estimated storm runoff. Consequently, in order to accommodate the sanitary flow and also provide capacity to handle storm flow, to prevent the backup of wastes into areas off airport during storm conditions, our Engineers have determined that it would be necessary to construct a culvert having cross sectional dimensions of 10 feet in height and 100 feet in width. Even if one assumes that only 2 miles of this construction would be required in the section of the ditch which lies in the City of Elizabeth, the cost for this construction would be approximately \$1,800 per foot or a total of approximately \$19,000,000. An alternate solution was also investigated which would involve the covering of the ditch in the City of Elizabeth area. Since the ditch varies from 120 feet to 150 feet top in width, this alternate is also costly. The estimated cost for this alternate is approximately \$10,000,000. Even if one were not to consider the significantly high cost involved in either of these alternates, neither one could be accomplished in time to serve any useful purpose since the long-delayed Newark interceptor sewer, now scheduled for completion in May 1966, will eliminate the problem.

I would like to assure you, Governor, that the Port Authority is most concerned about this problem of odors caused by Newark sewage discharging into the peripheral ditch at Newark Airport. The cause of the problem is the lack of a sanitary interceptor sewage system in the southside section of Newark. Ever since the Port Authority took over the responsibility for the development of the airport in 1948, raw sewage has been discharging from the City directly onto the airport from the Peddie Ditch which is outside the airport boundary. Mr. John McGoonan, director of Health, Welfare and Housing for the City of Elizabeth, stated at a recent meeting that his records indicate many odor complaints had been registered prior to the construction of the peripheral ditch. The fact is that Newark has for many years allowed raw waste of almost 30 million gallons a day to be discharged through the airport property. This odor problem occurs only when the temperature is over 60° F. and it will cease to be a nuisance sometime this Fall and it will not reoccur, since the Newark interceptor sewer goes into operation in May 1966.

Our staff has been actively engaged over the past several months in an effort to eliminate any obnoxious odors. A review of the background of this matter would help to bring the entire picture into clearer perspective.

The peripheral ditch was constructed as the first step of the Port Authority development program at Newark Airport. I should point

Hon. Richard J. Hughes

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July 26, 1965

that the Port Authority consulted with Newark and Killam Associates, the City's drainage consultant, for more than three years about the construction of the ditch. We also reviewed the plans with the New Jersey Department of Economic and Conservation Development and the Chief Engineer of the City of Elizabeth. The size and alignment of the ditch were only arrived at as a result of a study of the flow of water in the area. The ditch, which is about 150 feet across in places, replaced the patchwork drainage system formerly in use at the airport and was designed to carry only storm waters from the City of Newark and also a relatively small amount of storm drainage from Elizabeth.

An integral part of the Port Authority planning for the peripheral ditch was the City of Newark plans for the construction and completion of the Southside Interceptor Sewer prior to the opening of the peripheral ditch. The interceptor sewer, which will keep sanitary sewage from Newark out of the peripheral ditch, is under construction and will be completed in May 1966. Beginning then, only storm water drainage will flow through the peripheral ditch, as was originally planned.

On May 24, immediately after the odor problem came to our attention, Port Authority representatives met with Messrs. E.R. Segesser and R.S. Shaw of the New Jersey Department of Health, Messrs. G.E. Lauback, J. Faccione, F.P. Koczur, J. McGoochan and M.A. O'Keefe of the City of Elizabeth, and Mr. R.W. Helm of the Union County Mosquito Extermination Commission to discuss remedial measures.

On June 2, we retained Hydrosience Industries, Incorporated to study the problem and recommend a method of eliminating the odors. The consultant recommended the addition of calcium oxide on a periodic basis to lower the acidity level of the water and thereby eliminate the odors. We reviewed this recommendation with representatives of the New Jersey State Health Department and they concurred in the recommended treatment. On June 19, an initial treatment of 60 tons of calcium oxide was added to the ditch. Since then we have treated the ditch four additional times on a weekly cycle with a total of more than 300 tons of calcium compound. These treatments, plus the consultant, have cost the Port Authority approximately \$15,000 to date. Our consultant reported after the fourth treatment that the application has to a significant degree reduced the odors.

Naturally we shall continue to apply the calcium oxide, but until such time as the City of Newark agrees to cooperate, I am afraid this treatment will only reduce rather than eliminate the odor.

This work was carried out by the Port Authority while the State Health Department continued its attempts to get Newark representatives to discuss the problem. It was not until Senator Nelson Stamler called a meeting on July 6

City of Elizabeth

Mr. Richard J. Hughes

- 4 -

July 26, 1965

was able to get Newark officials to sit down at the discussion table. During the meeting, Mr. Shaw recommended that the City of Newark chlorinate the sanitary waste at the "source." He explained that the location of the "source" was the open area in the City, off airport property, into which waste from various pipes is directed. At the conclusion of that meeting, Senator Stamler and Mr. McGowan of the City of Elizabeth both indicated that they felt that it was unfair that the Port Authority had to undertake this serious problem without the participation of all those responsible, since the sewage emanates from the City of Newark and, therefore, it is a joint responsibility.

As Mr. Capric, Director of Public Works, City of Newark, advised at the July 6 meeting with Senator Stamler, Mayor Addonizio called a meeting on July 8 with representatives of all the same agencies in attendance. Mr. Buinno, Newark Business Manager, represented the Mayor and chaired the July 8 meeting. No action was taken at this meeting as Mr. Buinno stated that, as far as he was concerned, this was a preliminary meeting to discuss the problem and he emphasized that the problem was jointly between the Port Authority and the City of Newark. He said he would have further discussions with his people and would meet again with the same parties on July 14 at 2 P.M. The July 14 meeting and a succeeding one were cancelled by the City of Newark and we have had no further word from the City regarding this problem.

Based on the above information, I trust you will concur in our efforts to overcome this problem. We shall continue our program of calcium oxide treatments and we will continue to join with the other governmental agencies in pressing the City of Newark to cooperate in alleviating this problem during the summer months. As I have noted, the problem will be solved once and for all when the City completes its interceptor sewer, now scheduled for completion next May. So also the nuisance will be abated, this Fall, when the temperature drops below 60°.

Sincerely,

  
Austin J. Tobin

Executive Director





ORIGINAL SIGNED  
AND MAILED

*M. J. J. 7/12*  
OFFICE OF THE ATTORNEY GENERAL

July 9, 1965

Honorable Harrison A. Williams, Jr.  
Committee on Labor and Public Welfare  
United States Senate  
Washington, D. C.

Dear Senator Williams:

Re: The City of Elizabeth-Newark Airport  
Your letter June 30, 1965

This Department has been very much involved in recent weeks in the obnoxious odor problem at the Newark Airport. Our representatives, who are responsible for directing and supervising the Stream Pollution Control Program in this State, have inspected the Newark Airport area and they have participated in a number of conferences with New York Port Authority people and representatives of the Cities of Elizabeth and Newark and the County of Union. The first of these conferences was held in the Newark Airport office of the Port Authority. The second conference, held on Tuesday, July 6, was held in the office of State Senator Nelson Stanler in Elizabeth. A third conference was held yesterday, July 8, at the City Hall in Newark. Another conference is scheduled to be held in the City Hall in Newark on Wednesday, July 14.

The problem can be summarized very briefly as follows:

The City of Newark has been discharging tens of millions of gallons daily of untreated domestic and industrial wastes into Peddy Ditch on the southside of Newark for many years. These raw wastes have been discharged into the Newark Bay. This situation came about because the southside of the City of Newark was not included in the original jurisdictional area of the Passaic Valley Sewerage Commissioners' facilities. This Department issued appropriate pollution abatement orders some years ago against the City of Newark. There were many delays, some of them quite bona fide, before a constructive project was proposed. Several months ago the City of Newark proceeded with the construction of a new trunk sewer designed to convey all of the wastes into the facilities of the Passaic Valley Sewerage Commissioners. This project is scheduled to be completed within a reasonable time period at a cost of more than \$7,000,000. It is reported to be approximately 25% completed at this time.

In the meantime, the New York Port Authority has proceeded with its plans to expand the Newark Airport facilities. It had been hoped that the City of Newark trunk sewer would have sufficient time to remove the domestic and industrial wastes from property being developed by the Port Authority. This timetable unfortunately did not prevail so that the Port Authority had to construct a peripheral ditch around its premises so as to convey the wastewaters to the Newark Bay rather than directly through the property being developed by the Port

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Honorable Harrison J. Williams, Jr.

authority. The peripheral ditch extends across the County and City lines into the City of Elizabeth. Thus an odor problem was created in a residential section of the City of Elizabeth, a problem previously confined to the uninhabited Newark meadows. The peripheral ditch is approximately four and one-half miles long, a hundred and twenty feet in width at its surface, and is receiving approximately thirty millions of gallons daily of slowly moving untreated domestic and industrial wastes. The problem has been accentuated by the extreme drought being experienced in this State. Obviously some measures must be taken to alleviate the odor problem pending the completion of the Newark southside trunk sewer.

The New York Port Authority has engaged the services of a world renowned consulting firm and has received appropriate recommendations. The Port Authority has indicated willingness to share the responsibility and the cost of remedial treatment of the wastes flowing through the ditch. Our staff has made some studies and also has made some recommendations for consideration by all parties concerned. At the meeting held in the City Hall in Newark on Thursday, July 8, it was indicated by the City of Newark officials that experts from Rutgers University may be consulted for recommendations. Our staff has learned that problems somewhat comparable to this one have been encountered in recent years in New York City. We are endeavoring to learn how these problems were resolved.

The seriousness of this public health problem is recognized here in New Jersey. The New York Port Authority has already initiated certain possible remedial measures. We are hoping now that the City of Newark also will concern itself sufficiently to produce constructive action in the immediate future. We are not lacking in definition of the problem, nor are we lacking in remedial recommendations by experts in the field. However, considerable costs may be involved to provide even partial alleviation of the obnoxious odor problem. We anticipate that it may be difficult to convince the City of Newark and the New York Port Authority of the absolute necessity for expending such monies. We probably will learn more of this facet of the problem at the conference next week.

I doubt very much that there is anything to be accomplished at this time by involving the Federal Department of Health, Education and Welfare in this matter. I shall, however, leave that to your best judgment after you have had an opportunity to evaluate the foregoing. We shall continue to press for a satisfactory resolution of this problem.

Sincerely,

Roscoe P. Kandle, M.D.  
State Commissioner of Health

CL:66



*Full*  
*shall not be eliminated*  
*12/14/54* (F)  
Peddie's Ditch, Newark

Abstract of Data in Files From Date of Issuance of Notice

Notice issued to Mayor and Board of Commissioners of the City of Newark requiring the cessation of the pollution of the waters of Peddie's Ditch, a tributary of Newark Bay, by the discharge of raw, untreated domestic sewage or other polluting matter through sewers or drains owned and maintained by the said City of Newark prior to June 1, 1954. ✓

City of Newark adopted a Resolution providing for an emergency appropriation to review plans by a consulting engineer for a south side sewer and said emergency appropriation be provided for in full in the 1955 budget. ✓

Letter from Department of Mayor stated that the proposal stated in Resolution forms the basis for a mutually satisfactory program for stream pollution abatement. ✓

Department advised by Mayor that a technicality had been raised by the Passaic Valley Sewerage Commissioners because a portion of the area to be drained, although within the limits of the City of Newark, is outside of the Sewerage District as defined by legislation. Hope was expressed that the matter would be determined satisfactorily but legislation to re-establish the boundary may be found desirable. ✓

Essex County Mosquito Extermination Commission complained to State Department of Health of the slow progress the City of Newark was making toward cleaning up its sewerage disposal in the Newark meadows and Peddie Ditch area.

4 Progress report on project submitted to this Department by Department of Public Works of Newark stating Mr. Killam, Consulting Engineer, reported that records of the flow of industrial wastes from practically every plant located within the sewerage area had been obtained and analysis of samples from the various sewer outlets had also been made and the location of the interceptor had been tentatively determined and the contributive sewage quantities from the various branch sewers had been ascertained.

54 Director of Department of Public Works of City of Newark forwarded to this Department a summary of a detailed report by Mr. Killam, Consulting Engineer, together with a proposed plan for sewerage into the Passaic Valley Sewerage Works. The proposed project provides for an adequate system of intercepting sewers and appurtenances to serve the South Side of Newark from the Elizabeth boundary to Newark Airport, including the industrialized section of Frelinghuysen Avenue, the large Peddie district, Queens district, Waverly district and the Port Newark section. The estimated flow from the proposed interceptor to the Passaic Valley Sewage Treatment Works was 30 M.G.D. and the cost was estimated at \$5,100,000. ✓

55 State Department of Health requested Director of Public Works of Newark to submit, by June 2, 1955, a detailed timetable and commitment for compliance with the aforesaid Notice of this Department. ✓

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5-31-55 Reply to our letter of 5-11-55. Summary of conferences with the Passaic Valley Sewerage Commission in an endeavor to reach an equitable agreement. Newark believes that inasmuch as the 30 M.G.D. from the South Side Interceptor would use only the terminal facilities and barging of sludge to sea by the Passaic Valley Plant and not their trunk sewer, there should be a differential in rate below that which is charged the City for sewage making use of their entire disposal facilities.

The letter further stated that it was the intention of Newark to go ahead with the project without much more delay and if they are required to construct and operate their own plant independent of the Passaic Valley they would receive 20 M.G.D. now flowing to the Passaic Valley Plant which would mean that Newark's independent plant would treat 50 M.G.D.

11-9-55 Letter to Department from Newark advising that good progress was being made toward attaining their goal with the Passaic Valley Sewerage Commission.

12-1-55 Letter to Department from Newark stating that they were currently reviewing cost estimates for independent treatment versus disposal into the Passaic Valley system.

2-28-56 Letter to Department from Newark reporting progress (no specific) in negotiations with Passaic Valley Sewerage Commissioners.

7-25-56 Letter to Department from Newark stating that the Mayor gave the Passaic Valley people to understand in no uncertain terms how the City of Newark felt about the treatment they have received in the past and better treatment was expected or the City would be compelled to construct its own plant. Concessions were granted to the extent that the City would be permitted to discharge the South Side flow into the pumping station at a rate from 25 to 40 percent of what they are paying for the rest of the flow from Newark.

9-28-56 Letter to Department from Newark stating that negotiations have continued and have practically reached a point of agreement on the cost per million gallons to the City of Newark to discharge the South Side flow into the Passaic Valley plant, but an agreement will have to be worked out with the City Council before preparation of plans and award of contract.

~~11-9-56 Application forms for applying for a Federal grant to assist in the cost of constructing the intercepting sewer were forwarded to Newark on this date.~~

1-14-57 Department received a copy of a report that was forwarded to all participants by the Passaic Valley Sewerage Commissioners preliminary to a meeting to be held January 18, 1957 for the purpose of letting the participants be heard on the Passaic Valley's proposition which was presented directly to the Commissioners.

~~Department from Newark advising that the aforesaid meeting was held January 18, 1957 and a great many different opinions were expressed but no conclusive action resulted. A group to represent the participating municipalities to formulate questions to be presented to the Commissioners and City of Newark for answer was appointed.~~

1-28-57 Letter from Mr. Shaw to Mr. George Andress, Director, Newark Department of Public Works, asking that we be advised of the results of the next conference.

6-30-57 Letter to Mr. Shaw from Mr. George W. Andress, Director, Newark Department of Public Works. Meeting was held in Montclair June 5, 1957 about the South Side Interceptor Sewer. The municipalities concerned were represented by engineers and a general discussion took place.

After the meeting the engineers had a private meeting but no official report was made relative to Newark's case.

Opposition comes from some of the participants and they want to force Newark to pay as much of the cost as possible, even though Newark doesn't plan to use the trunk sewer.

Further moves in the matter are to be made by Newark. Although nothing definite can be reported now, we are to be informed if something important develops.

6-28-57 Letter from Mr. Shaw to Mr. Andress acknowledging above letter. "We wish to advise that unless present negotiations are formally consummated by July 31, 1957, we shall be obliged to refer the entire matter to the office of the Attorney General for appropriate action."

Request that we be kept fully advised.

GE8:03  
2-11-58

*(initials)*  
Dec. 1957  
1-6  
604 237 27, 1959  
proposed reports





# UNION COUNTY MOSQUITO EXTERMINATION COMMISSION

324 NORTH AVENUE, EAST

CRANFORD, N. J.

## MEMBERS

Wm. G. Mewene, Jr., M. D., President

Joseph J. O'Neill, Vice-Pres.

Theodore W. Goshaw, Jr., Treasurer

Frank M. Goulet

Joseph P. Funn

Newton J. Rodgers

Robert W. Mella  
Supt. - Secretary

TELEPHONE  
BRIDGE 8-1184

September 21, 1964

State of New Jersey  
Department of Health  
Trenton, New Jersey

Attention: Dr. Roscoe P. Kandle, State Commissioner of Health

Gentlemen:

At a recent meeting of our commission, the subject of raw sewage disposal in the North Elizabeth meadows was discussed.

For many years now, the City of Newark has been allowing the improper discharge of raw, untreated sewage into what has been known as Paddy Ditch and Bound Creek. This material went directly into Newark Bay without benefit of any treatment. Up until this time, the situation has been geographically beyond our direct control.

Now, however, the Port of New York Authority has constructed a peripheral diversion ditch around the Newark Airport. This ditch, 80 feet wide on the bottom, 120 feet wide at the top, now carries all of this raw sewage, abattoir waste, heavy waste effluents from Anheuser Busch brewery, plus all of the sanitary sewage waste from Newark Airport itself. This horribly polluted liquid now flows in this wide open ditch, along Route #1 to North Avenue, Elizabeth, at which point it turns and goes east along North Avenue to the New Jersey Turnpike, where it then turns north and flows along the Turnpike to Bound Creek where it discharges through tidegates into Newark Bay through the Port Elizabeth channel.

Typhoid fever possibly was exorable at the beginning of the 20th century. In 1964 it would be deplorable. We recognize this potential typhoid reservoir and we respectfully draw your attention to the urgent need for unequivocal correction.

Very truly yours,

Superintendent

BA000033



SWS

NEW JERSEY STATE DEPARTMENT OF HEALTH  
STREAM POLLUTION CONTROL PROGRAM  
EXAMINING ENGINEER'S REPORT

S-9-64-1742  
September 9, 1964

City.....City of Newark  
County.....Essex  
Municipality.....Mayor and Council  
Owners and Operators.....City of Newark  
Location of Project.....Waverly, Queen and Peddie districts in South Side  
of City of Newark  
Engineers.....Elson T. Killam Associates  
Millburn, New Jersey  
Mr. Elson T. Killam N. J. License # 3105  
Subject.....Proposed construction of South Side Interceptor  
Sewer  
Application.....Dated August 26, 1964 and signed by Mr. Ralph S. Caprio,  
Director of Public Works  
Authority.....Resolution of Municipal Council adopted  
February 5, 1964  
Estimated Cost.....\$7,000,000.00

Source of Information

1. Application dated August 26, 1964, received September 8, 1964
2. Engineer's Report dated April 28, 1964 - 1 copy
3. Supplementary Engineer's Report dated August 26, 1964 - 1 copy
4. Specifications for South Side Interceptor Sewer dated July, 1964 - 1 copy
5. Plans of South Side Interceptor Sewer dated July, 1964 - 1 copy

Disposal of Raw Sewage

To Passaic Valley Sewerage Commissioners Treatment Plant

Receiving Waters of Treated Waste

New York Bay

Basis of Design

It is proposed to construct an interceptor sewer to collect the combined sewage from

BAC000034

BAC000034

three districts in the south side of Newark and to discharge same into the sanitary sewer of the Passaic Valley Sewerage Commissioners near its treatment plant on Wilson Avenue. The sewage is presently discharged untreated into ditches leading to Newark Bay.

The three districts known as Waverly, Queen and Peddie have the following characteristics:

	<u>Area Available</u>	<u>Population</u>		<u>Dry Weather Flow</u>		<u>Interceptor</u>	<u>Ratio</u>
		Present		Present	Estimated Future Cumul.	Capacity	Capacity to Future Flow
Waverly	325 acres	5,300		1510 gpcpd 8.2 mgd	11.3 mgd	29.0 mgd	2.57
Queen	549 acres	10,000		263 gpcpd 5.0 mgd	13.3 mgd	49.0 mgd	2.68
Peddie	1520 acres	112,000		159 gpcpd 18.0 mgd	40.0 mgd	80.0 mgd	2.00

It may be noted that Waverly and Queen are predominately industrial while Peddie is largely residential. The Waverly and Queen sewage wastes are highly concentrated with high BOD and suspended solids; the Peddie sewage is domestic. The Waverly sewage is said to be 33% stronger than Peddie; Queen sewage is 2.1 times stronger than Peddie. Consequently, it is proposed to provide greater sewer capacity in the industrial reaches so as to intercept a larger proportion of such sewage for disposal in the treatment plant. Hence, the larger ratios in these two districts of capacity to dry weather flow.

The existing combined sewerage system has capacity far in excess of the dry weather sanitary sewage flow. Waverly 30 to 1; Queen 25.1 and Peddie 20 to 1. Consequently it will be necessary to discharge the excess storm water to ditches leading to Newark Bay from regulator gates at each district outlet. It is proposed to install a slide gate, regulator with adjustable orifice and Venturi flume at each outlet. The regulator equipment is automatically float controlled. During storm flow, the adjustable orifice admits a portion of the flow to the interceptor sewer through a Venturi flume. There is a flow recorder on the upstream side of the Venturi and a water level recorder on the downstream side.

The main storm water flow passes out to a ditch through large rectangular orifices with sill about 1' above the invert of the channel carrying the dry weather sewage flow. Tide gates are attached to these orifices to prevent backflow into the interceptor from temporarily flooded ditches.

The Venturi flume will record the total volume diverted to the interceptor at the outlet of each district. The sum of the three Venturi readings will be the grand total of sewage entering the Passaic Valley treatment plant. The Venturi flume with tapered section and free water surface is believed to be the most practicable measuring device under the conditions of occasional heavy grit load.

The sewer will consist of reinforced concrete pipe, 36 inches in diameter, with water and

The sewer line will be constructed in tunnel under several streets. There are also several ditch crossings and highway crossings including one of the New Jersey Turnpike.

There will also be provided sewage regulator, tide gates, and metering equipment at three locations. One of which operated tide gate will be furnished and installed at the junction with the Passaic Valley Sewerage Commissioners main trunk sewer.

### Sanitary Sewer Alignment

<u>Location</u>	<u>From</u>	<u>To</u>
ROW	Existing PWSC trunk	Manhole 1
Delancey Street	Manhole 1	Drop Manhole 2
ROW	Drop Manhole 2	Manhole 4
ROW	Manhole 4	Manhole 8
ROW	Manhole 8	Drop Manhole 9
ROW	Drop Manhole 9	Manhole 13
ROW	Manhole 13	Peddie Junction
ROW	Peddie Junction	Queen Junction
ROW	Queen Junction	Saverly Junction
ROW	Saverly Junction	Existing Manhole 26
ROW	Peddie Junction	Peddie regulator

<u>Footage</u>	<u>Diameter</u>	<u>Type</u>	<u>Minimum Grade</u>
14,464'	84"	RCP	.033%
1,821'	60"	RCP	.05%
705'	60"	RCP	.06%
5,294'	54"	RCP	.05%
930'	36"	RCP	.067%

### Maximum Manhole Spacing

1,900'

### Manholes

31

Notes: Manufacturer's Standard

Discussion

Although the distance between manholes exceeds the 500' distance required by our Rules and Regulations, the diameter of this interceptor is very large, from 54" to 84" in the main reaches, consequently, it would be easily possible for a man to walk through the sewer for maintenance purposes. Under these circumstances, it is believed that the 500' distance requirement may be waived with safety.

Diversion Facilities

Three reinforced concrete diversion facilities are to be constructed at Waverly, Queen and Paddie junctions.

Each facility will provide a control slide gate on the inlet, a Brown & Brown sewage regulator with adjustable orifice and a Venturi flume with recorder and water level gauge.

The excess storm flow will discharge through large rectangular orifices complete with tide gates to prevent back flow from temporarily flooded outlet ditches.

Recommendation

The plans, specifications and allied data relative to this project have been examined and substantial compliance with the Rules and Regulations of the Department has been noted.

It is recommended that a permit be issued for construction and on the subject to condition common to all projects.

Respectfully submitted, \_\_\_\_\_

*mmg*  
Mortimer M. Gibbons  
Principal Sanitary Engineer

Sept. 9,





THE PORT OF NEW YORK AUTHORITY

111 Eighth Avenue - at 15th Street, New York, N.Y. 10011

Planning and Development Department

William C. Gilman, Director

Hayden B. Johnson, Deputy Director Telephone 620-7225

November 18, 1971


Mr. Christian T. Hoffman, Jr.  
Supervising Public Health Engineer  
Water Pollution Control Program  
New Jersey State Department of  
Environmental Protection  
P.O. Box 1540  
Trenton, New Jersey 08625

Dear Mr. Hoffman:

At the meeting in the offices of the Interstate Sanitation Commission on October 4, it was agreed that we would submit to you, and to the New York State Department of Environmental Conservation and the Interstate Sanitation Commission, a list of all outfalls at Port Authority facilities which discharge into navigable waters. We have now developed such a list, a copy of which is enclosed for your information.

At the present time, we are analyzing each of the outfalls in detail to determine which may fall under the provisions of the Refuse Act of 1899. We expect, in the near future, to make application for the required permits to the Corps of Engineers for all such outfalls.

Sincerely,

  
Hayden B. Johnson, Coordinator  
Office for Environmental Programs

RECEIVED

NOV 22 1971

STATE DEPT. OF ENVIRONMENTAL  
BUREAU OF WATER POLLUTION CONTROL

BAC 000 035



INVENTORY OF  
WASTE WATER OUTFALLS  
AT PORT OF NEW YORK AUTHORITY FACILITIES  
DISCHARGING INTO  
NAVIGABLE WATERS OR TRIBUTARIES

The Port of New York Authority  
Office for Environmental Programs  
November 1971

## INTRODUCTION

In May 1970, the Office for Environmental Programs was created within the Planning and Development Department of The Port of New York Authority. The new office was set up primarily to coordinate the many different activities and programs carried out throughout all phases of the Port Authority's operations which have a bearing on environmental matters.

Early in 1971, primarily on the basis of a forthcoming program under which the U.S. Army Corps of Engineers would issue permits for various outfalls discharging into navigable waters or their tributaries, the Office for Environmental Programs requested the Port Authority's Inspection and Safety Division to prepare an inventory of all such outfalls at Port Authority facilities. A preliminary report on this subject was made in May and further data developed over the summer.

The material which follows discusses the matter of storm and sanitary sewage outfalls at each of our facilities. It also sets forth programs now under way or being planned to eliminate all sanitary sewage outfalls and to take action to prevent contaminants from entering the storm sewer systems at each facility.

New Jersey

Hoboken Port Authority Marine Terminal

All sanitary sewage at the Hoboken pier is discharged into the municipal sewer system.

A separate storm sewer system discharges into the Hudson River.

Elizabeth Port Authority Marine Terminal

All sanitary sewage from the buildings at Elizabeth Port Authority Marine Terminals is discharged into the municipal sewer system with the exception of Buildings Nos. 104 and 193, which are served by septic tanks and leaching fields. The leaching fields are currently being investigated to assure that they are functioning correctly and are of adequate size and design.

A separate storm sewer system discharges into the Elizabeth Channel and Newark Bay.

Port Newark - Port Authority Marine Terminal

Sanitary sewage from most of Port Newark is now discharged into a combination storm-sanitary sewer system which discharges into Newark Bay and/or the Newark Channel at the rate of 100,000 gallons per day from various outfalls. A project for new sanitary sewers to divert all sanitary sewage presently discharged from the north side of Port Newark to the Boman Avenue interceptor main is scheduled for completion by the end of 1971.

On the south side of Port Newark, contract documents are being prepared for an interceptor main which will receive sanitary sewage from all buildings on the south side of Newark Channel, including some sewage from various commercial uses. The project is scheduled for completion in the latter part of 1972.

When these projects are completed, only storm water will be discharged into the Newark Channel and Newark Bay through the storm sewer system.

PORT AUTHORITY TRANS HUDSON (PATH) SYSTEM

New Jersey and New York

All sanitary sewage from the PATH system is discharged into the various municipal sewer systems in the areas served by PATH.

There are two New Jersey outfalls and only one New York outfall in the PATH system. All three serve to discharge Hudson River water seepage back into the river.

## PORT AUTHORITY TUNNELS AND BRIDGES

New York and New Jersey

### George Washington Bridge

Storm water from the George Washington Bridge decks and roadways is discharged directly into the Hudson River. During winter months, some salt used for melting ice and snow is in the runoff. When the walls of the Bridge's tunnel approaches are washed, depending on soil accumulations, a small amount of water containing detergents and various automotive emission products deposited on walls from passing vehicles may also be discharged into the River. Detergents which are considered environmentally sound are specified for the washings.

All sanitary sewage from the toll booths and Administrative buildings is discharged into municipal sewer systems.

### Goethals Bridge, Outerbridge Crossing and Bayonne Bridge

Storm water from the decks and roadways is discharged into various receiving bodies of water from these Bridges. During winter months, there is some salt, used for melting ice and snow, in the runoff.

The Goethals Bridge has its own package sewage treatment plant, with an estimated average daily discharge of 2,000 gallons a day. The plant's effluent is checked daily to determine its chlorine residual. Personnel operating the plant have had appropriate formal training, and a permit for the plant was obtained from the State of New York when operations began.

Treated effluent from the plant is pumped into a drainage ditch which eventually reaches the Arthur Kill.

Sanitary sewage from the toll booths and administrative buildings at the ~~Lincoln Bridge~~ is discharged into the New York City municipal sewer system. At the Outerbridge Crossing two septic tanks on the New York side collect sanitary sewage from a field office and a garage. Plans are being developed to provide a package treatment plant at the Outerbridge Crossing similar to that currently operating at the Goethals Bridge.

#### Holland Tunnel

Storm water which accumulates on the Holland Tunnel roadways is pumped to both the New York and New Jersey shores and discharged directly into the Hudson River. This water may contain some detergents which are used for washing the tunnel walls as well as various automotive emission products deposited on walls from vehicles passing through the Tunnel. Detergents which are considered environmentally sound are specified for the washings.

The River Vent Buildings have toilets which discharge into the river, but the amount of these discharges is very small since there are no personnel routinely stationed in these buildings. The estimated gallons of sanitary sewage from the River Vent Buildings is approximately 150 gallons per day. The Authority is presently investigating the substitution of chemical toilets for water carriage toilets, as well as the feasibility of connecting the existing toilets to the City sewer system.

#### Lincoln Tunnel

Storm water which has accumulated on the Lincoln Tunnel roadways is pumped to the New York and New Jersey shores and discharged directly into the Hudson River. This water may contain some detergents used for washing the Tunnel walls as well as various automotive emission products

limited to the vehicles passing through the Tunnel. Detergents which are considered environmentally sound are specified for the washings.

Sanitary wastes from the New York River Buildings are discharged into the Hudson River, and septic tank effluent from the New Jersey River Buildings is discharged into the River, although some of this may be absorbed by surrounding soil. The estimated gallons of sanitary sewage from each of the River Vent Buildings is approximately 150 gallons per day. The Authority is currently investigating the effectiveness of the leaching

system, and studies are also under way to determine the most feasible means of discharging storm and waste water into the municipal sewage system.

Staff is also investigating the feasibility of discharging sanitary wastes from the New York River Building into the peripheral sewer now being constructed along the Hudson River waterfront by the City of New York.



## PORT AUTHORITY AIRPORTS

### General

The Port Authority is currently developing a program to provide long-range solutions to the storm water problems at the four airports and the two heliports. ~~The first stage of this program, which will identify~~ the problem, will probably take about a year to complete. It is assumed that this study will develop alternate solutions, and that a second stage, implementing the recommendations, will get underway within a year.

New Jersey

Newark Airport

All sanitary sewage from the new terminal complex will discharge ~~into the Newark city sewer system.~~ Plans are currently being prepared for a collector system to carry sanitary wastes from the existing facilities north of Runway 11/29, including the maintenance base at the northeast corner of Newark Airport, into the city system. The sewage from these buildings, which amounts to approximately 1,200 gallons per day, is currently discharged into the peripheral ditch which in turn discharges into the head of the Port Newark Channel.

Most of the storm water at Newark Airport also runs off into the Peripheral Ditch. Recently, the water entering this ditch from off Airport sources was evaluated and found to be of a very low quality, composed of natural land runoff water, storm water, industrial waste water and sanitary waste water. The presence of both industrial and sanitary wastes was demonstrated by laboratory tests. This condition can only be corrected by joint action with other agencies. However, the Authority is studying several short-term methods of improving the quality of the water in the ditch as it flows through airport property, including the installation of aeration equipment to increase the digestion rate of the wastes and the use of absorbent materials to remove oily wastes from the water.

Teterboro Airport

Storm water runoff from runways and taxiways at Teterboro Airport ~~is discharged into two drainage ditches.~~ Both of them, labeled the East Riser and West Riser ditches, originate off the airport and flow through

the property, eventually reaching the Hackensack River. Both ditches are maintained by Bergen County and, according to county officials, contain only storm water from the surrounding areas.

All sanitary sewage from the Administrative Building and other buildings on the airport is discharged into the municipal sanitary sewage system.





CITY OF NEWARK, NEW JERSEY

KENNETH A. GIBSON, MAYOR

DIRECTOR

March 1, 1972

Mr. Alex J. Greene  
Federal Environmental Protection Agency  
Grants Administration Division  
Room 3228F  
4th and M Streets, S. W.  
Washington, D.C. 20460

Re: City of Newark - Application  
for a Demonstration Grant Study of  
Combined Sewage Treatment

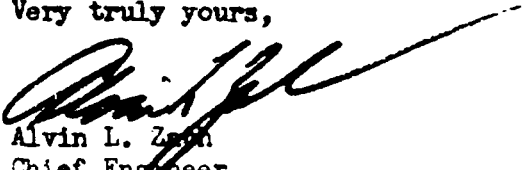
Dear Mr. Greene:

Enclosed are 7 copies of the City of Newark's application for a demonstration grant study of combined sewage treatment. This letter will be followed by a formal resolution authorizing the filing of the Technical Grant Application, for the City by James P. Purcell Associates, the City's consultant for its pollution abatement plan.

As mentioned in the application, the City of Newark discharges 30 percent of its total combined sewage into the peripheral ditch which flows into Newark Bay during wet weather conditions. In order to avoid an uneconomical sewer separation scheme that would still discharge contaminated storm water into the bay, we have decided to pursue the idea of a combined sewage treatment plant. In order to develop the proper design parameters, a pilot plant study is needed. The results from this study will not only benefit the City of Newark, but will also be of great value to other urban areas suffering from the same pollutional problem. These reasons coupled with the unique total treatment process that our consultants have devised (as described in the application), will serve to enhance our technical knowledge in this field.

In closing, we hope that this grant will meet with your approval so as to benefit all of the participants.

Very truly yours,

  
Alvin L. Zapp  
Chief Engineer

ALZ/ew

Enclosures: 7

BAC 000036



Central File



## State of New Jersey

Christine Todd Whitman  
Governor

Department of Environmental Protection  
Northern Bureau of Water Compliance and Enforcement  
1259 Route 46, Building 2  
Parsippany, New Jersey 07054-4191  
Telephone (973) 299-7592 Fax (973) 299-7719

Robert C. Shinn, Jr.  
Commissioner

July 8, 1998

Mayor and Council  
City of Newark  
920 Broad Street  
Newark, NJ 07102

Re: Compliance Evaluation and Assistance Inspection  
City of Newark  
NJPDES No. NJ 0108758  
Newark /Essex County

Gentlemen:

A Compliance Evaluation and Assistance Inspection of your facility was conducted by a representative of the Bureau on June 26, 1998. A copy of the completed inspection report form is enclosed for your information.

You facility received a rating of "UNACCEPTABLE" due to the following deficiencies:

1. Outfalls inspected have not ben tagged as required by N.J.A.C. 7:14A6-2(a)9.
2. There was blockage in the Delavan Avenue line.
3. Regulator at Queen ditch is not functional.
4. Treatment Works Approval for Long Term Solids/Floatables was not submitted by May 14, 1997.

BAD000006

The deficiencies noted above have placed your facility in significant violation of the terms and conditions of your NJPDES permit an/or the Water Pollution Control Act Regulations (N.J.A.C. 7:14A-1 et seq.). You are therefore **DIRECTED** to institute corrective measures. A written report concerning specific details of remedial measures to be instituted, as well as an implementation timetable, must be submitted to this Department within thirty (30) calendar days of the date of this correspondence.

You are advised that the New Jersey Water Pollution Control Act (N.J.S.A. 58:10A-1 et. seq.) provides for substantial monetary and criminal penalties in cases of permit violations.

Please direct all correspondence and inquiries to me at (973) 299-7592, or by letter through this Bureau.

Failure to fully comply with the above will result in the initiation of enforcement action by this Department. This shall in no way be construed, however, to indicate any exemption on your part from possible penalties for violations indicated by the Compliance Evaluation and Assistance Inspection, as stated above.

Very truly yours,

*Jmc for TNA*

Theophilus N. Ashie  
Senior Environmental Specialist  
Northern Bureau of Water  
Compliance and Enforcement

E29 :G25

Enclosure

c: Joseph M. Mikulka, Chief  
Luiggi C. Campana, City of Newark  
Janjeev Vorghese, City of Newark

bc: Bureau Files  
Central Files



NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION  
WATER COMPLIANCE AND ENFORCEMENT ELEMENT

NJPDES COMPLIANCE EVALUATION INSPECTION REPORT

PERMIT# NJ 0108758 EXPIRATION/EFFECTIVE DATE & STATUS 02/28/00;7/1/95:ACTIVE

PERMITTEE CITY OF NEWARK

LOCATION OF FACILITY 920 BROAD STREET

MUNICIPALITY NEWARK

COUNTY ESSEX

DISCHARGE TYPE(S) CSO RECEIVING WATERS \*PASSAIC RIVER (ALSO SEE COMMENTS)

LICENSED OPERATOR ALVIN ZACH PHONE#(S) (201) 733-8520

LICENSE REQUIRED/HELD C-4 / C-4

FACILITY CONTACT(S) SANJEEV VARGHESE PHONE#(S) (973)256-4965

**VIOLATIONS/DEFICIENCIES OR COMMENTS:**

1. CSO LINES INSPECTED: 001, 003,006, 013,014, 024, 025, 026, 027, 029, 030 (SEE P. 4 OF 4)
  2. OUTFALLS INSPECTED HAVE NOT BEEN TAGGED AS REQUIRED BY N.J.A.C. 7:14A 6-2(A)9.
  3. BLOCKAGE IN DELAVAN AVENUE LINE: IT WAS BEING INVESTIGATED BY THE CITY AT INSPECTION. THERE WAS OVERFLOW INTO STORM LINE.
  4. REGULATOR AT QUEEN DITCH IS NOT FUNCTIONAL. (THE CITY IS INVESTIGATING)
  5. TREATMENT WORKS APPROVAL FOR LONG TERM SOLIDS/FLOATABLES WAS NOT SUBMITTED BY 5/14/97.
- \*RECEIVING WATERS: ALSO TO PERIPHERAL DITCH (NEWARK BAY) AND SECOND RIVER

RATING      Acceptable      Conditionally Acceptable      X      Unacceptable      No Rating

EVALUATOR THEOPHILUS ASHIE TITLE SENIOR ENVIRONMENTAL SPECIALIST

INFORMATION FURNISHED BY (Name) TIBI ILLIEYES; CHRIS SHERBAN

(Title) PRINCIPAL ENGINEERS (Organization) CITY OF NEWARK

DATE OF INSPECTION JUNE 26, 1998

COMPLIANCE EVALUATION INSPECTION

RATING CODES: S = Satisfactory M = Marginal U = Unsatis. NA = Not Applicable NI = Not Inspected

	Rating	COMMENTS
CSO FACILITY NAME	-----	CITY OF NEWARK
GENERAL INFORMATION	-----	
NO. OF CSO POINTS	-----	30
REGULATORS	U	1. QUEEN DITCH (026) NOT FUNCTIONAL: 2. LINE BLOCKAGE AT DELAVAN AVE.
CONFINED SPACE /SAFETY EQUIP.	S	
PUMPS AND PIPING	-	ALL GRAVITY FLOW
DRY WEATHER OVERFLOWS	M	001: CONTINUES TO DISCHARGE CLEAR WATER.
ALARM SYSTEMS	-	NONE
OTHER PERMITTED DISCHARGES	-	NONE
SPECIAL PERMIT CONDITIONS	-	FACILITY IS NOT REQUIRED TO SUBMIT DMRS
O & M PLAN & MANUAL	S	DATED 2/96
C.S.O. P.P.P. LOCATION /ACCESS	S	LITTLE FALLS / NEWARK
EXISTING CONTROL FACILITIES	-----	
REGULATOR NUMBER & TYPE	S	SEE APPENDIX A
OUTFALL LOCATION & PIPE SIZE	U	OUTFALLS INSPECTED HAVE NO TAGS. SEE APPENDIX B (PIPE SIZE )
INTRUSION PREVENTION	S	TIDE GATES AT PEDDIE (025), QUEEN (026) AND WAVERLY (027, 029)
SOLIDS / FLOATABLES CONTROL	-----	
EXISTING CONTROL UNITS	S	NETTING DEVICE AT SAYBROOK (014) AND PEDDIE (025)
INTERIM CONTROL PLANS	S	SUBMITTED 3/1/96
LONG TERM CONTROL PLANS	S	SUBMITTED 3/1/96
SOLIDS / FLOATABLES DISPOSAL	-----	
TRANSPORTER/REGISTRATION NO.	-	SANITATION DEPARTMENT
FINAL DISPOSAL SITE	S	TRANSFER STATION, NEWARK
REPORTS	-----	
CERTIFICATIONS SUBMITTED	S	3/1/96;
INCORPORATED IN CSOPPP	S	
ANNUAL SELF INSPECTION	-	TO BE SUBMITTED 7/1/97
REPORT OF NON-COMPLIANCE	-	
COLLECTION AND TREATMENT	-----	
CO-PERMITTEES	-	
RECEIVING POTW	S	PVSC
POTW CAPACITY MAXIMIZED	-	
PRETREATMENT AUTHORITY	-	
OTHER	-----	
QA/QC AND RECORDS	-	SUBJECT TO APPROVAL OF WORK PLAN BY STATE
FLOW METER AND RECORDER	-	
SAMPLING PROCEDURE/LOCATION	S	INCLUDED IN CSO CHARACTERIZATION STUDY 4/16/96
ANALYSIS PERFORMED BY	-	SUBJECT TO APPROVAL OF WORK PLAN
EFFLUENT FLOW/APPEARANCE	-	
RECEIVING WATER	-	PERIPHERAL DITCH, SECOND RIVER, PASSAIC RIVER

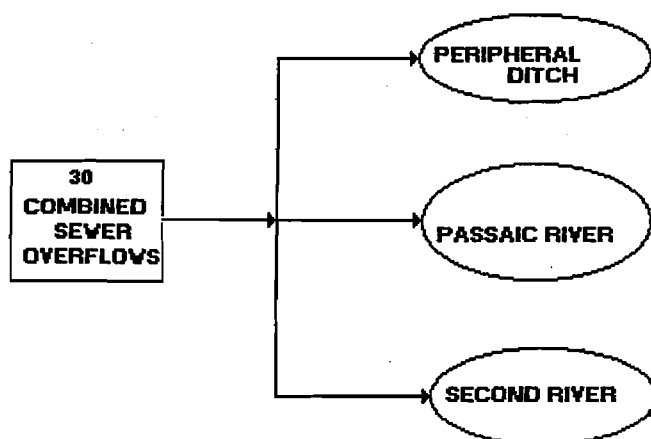
COMPLIANCE EVALUATION INSPECTION

Permit No. NJ0108758

Date: 6/26/98

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**PLANT DIAGRAM OR FLOW SEQUENCE: See Appendix A for details.**



COMPLIANCE EVALUATION INSPECTION

<u>CSO NO.</u>	<u>INSPECTION POINT</u>	<u>COMMENTS</u>
001	N. 8TH ST. & HONIS STREET REGULATOR	REGULAR FLOW TO N. 6TH STREET LINE
	6TH. AVE. & 13TH STREET REGULATOR	NO DISCHARGE FROM STORM LINE
	MEADOW BROOK OUTFALL	CONTINUOUS CLEAR WATER DISCHARGE
<del>003</del>	<del>DELA VAN AVE. BY PEABODY PL.</del>	<del>NO DISCHARGE FROM STORM LINE BUT THERE WAS</del>
	RIVERSIDE AVENUE REGULATOR	OVERFLOW FROM SEWER LINE THERE WAS FLOW IN STORM DRAIN DUE TO HIGH TIDE.
006	2ND AVE & BROADWAY REGULATOR	REGULAR FLOW. AN ILLEGAL CONNECTION WAS PREVIOUSLY FOUND AND SEALED.
	BROAD ST. & ORIENTAL AVE.	REGULAR FLOW
013	RECTOR STREET OVERFLOW	NO APPARENT DISCHARGE: HIGH TIDE.
014	SAYBROOK PLACE OVERFLOW	NO APPARENT DISCHARGE: HIGH TIDE. NETTING DEVICE IN PLACE
024	WHEELER OVERFLOW	NO DISCHARGE
025	PEDDIE STREET OVERFLOW	REGULAR FLOW. NO DISCHARGE TO DITCH.
026	QUEEN OVERFLOW	REGULAR FLOW. NO DISCHARGE TO DITCH. REGULATOR IS NOT FUNCTIONAL.
027, 029	WAVERLEY OVERFLOW	NO DISCHARGE INTO DITCH
030	AVENUE A (FROM EMMET ST.)	VERY LITTLE CLEAR WATER FLOW.

APPENDIX B
 Permit No. NJ0108758  
 Date: 6/26/98
NJPDES/DSW PERMIT NUMBER NJ0108758

This individual general permit authorization authorizes the City of Newark to operate a combined sewer system for the collection and conveyance of wastewater and to discharge untreated wastewater in the form of combined sewer overflows from the combined sewer overflow points listed on Table CSO-I, of this authorization, in accordance with the terms and conditions of the General Permit for Combined Sewer Systems NJPDES Permit No. NJ0105023.

001	Meadowbrook	40°47'17"	74°10'17"	Second River
002	Verona Avenue	40°46'07"	74°09'06"	Passaic River
003	Delavan Avenue	40°46'07"	74°09'27"	Passaic River
004	Herbert Place	40°45'57"	74°09'34"	Passaic River
005	Herbert Place	40°45'57"	74°09'34"	Passaic River
006	Oriental Avenue	40°45'34"	74°09'53"	Passaic River
007	Third Avenue	40°45'28"	74°09'55"	Passaic River
008	Fourth Avenue	40°45'22"	74°09'56"	Passaic River
009	Clay Street	40°45'03"	74°09'58"	Passaic River
010	Clay Street	40°45'03"	74°09'58"	Passaic River
011	Orange Street	40°44'47"	74°10'01"	Passaic River
012	Bridge Street	40°44'42"	74°10'01"	Passaic River
013	Rector Street	40°44'29"	74°09'56"	Passaic River
014	Saybrook Place	40°44'26"	74°09'54"	Passaic River
015	City Dock	40°44'07"	74°09'45"	Passaic River
016	Jackson Street	40°43'59"	74°09'19"	Passaic River
017	Polk Street	40°43'58"	74°09'10"	Passaic River
018	Freeman Street	40°44'03"	74°08'46"	Passaic River
019	Brown Street	40°44'26"	74°08'19"	Passaic River
020	Lockwood Street	40°44'30"	74°07'53"	Passaic River
021	Blanchard Street	40°44'30"	74°07'40"	Passaic River
022	Roanoke Avenue	40°43'34"	74°07'17"	Passaic River
023	Adams Street	40°42'42"	74°10'12"	Peripheral Ditch
024	Wheeler	40°42'49"	74°10'47"	Peripheral Ditch
025	Peddle Street	40°42'36"	74°11'06"	Peripheral Ditch
026	Queen	40°42'20"	74°11'12"	Peripheral Ditch
027	Waverly	40°41'25"	74°11'26"	Peripheral Ditch
028	Haynes Avenue	40°42'23"	74°11'00"	Peripheral Ditch
029	Waverly	40°41'25"	74°11'26"	Peripheral Ditch
030	Avenue A	40°42'49"	74°10'47"	Peripheral Ditch

## APPENDIX A

Permit No. NJ0108758

Date: 6/26/98

*Overflows Included in General CSO Permit*

CSO No.	Designation	Receiving Water	PVSC Owned or Controlled Regulator	City Owned or Controlled Regulator	Outfall Type
001	Meadowbrook	Second River		Yes	Relief CSO
002	Verona Avenue	Passaic River	Yes		Primary
003	Delavan Avenue	Passaic River	Yes		Primary
004	Herbert Place	Passaic River	Yes		Primary
005	Herbert Place	Passaic River	Yes		Primary
006	Oriental Avenue	Passaic River		Yes	Relief CSO
007	Third Avenue	Passaic River	Yes		Primary
008	Fourth Avenue	Passaic River	Yes		Primary
009	Clay Street	Passaic River	Yes		Primary
010	Clay Street	Passaic River	Yes		Primary
011	Orange Street	Passaic River	Yes		Primary
012	Bridge Street	Passaic River	Yes		Primary
013	Rector Street	Passaic River	Yes		Primary
014	Saybrook Place	Passaic River	Yes		Primary
015	City Dock	Passaic River	Yes		Primary
016	Jackson Street	Passaic River	Yes		Primary
017	Polk Street	Passaic River	Yes		Primary
018	Freeman Street	Passaic River	Yes		Primary
019	Brown Street	Passaic River		Yes	Permitted Storm Outfall
020	Lockwood Street	Passaic River		Yes	Permitted Storm Outfall
021	Blanchard Street	Passaic River		Yes	Permitted Storm Outfall
022	Roanoke Avenue	Passaic River		Yes	Primary
023	Adams Street	Peripheral Ditch		Yes	Primary
024	Wheeler	Peripheral Ditch		Yes	Primary
025	Peddle Street	Peripheral Ditch	Yes		Primary
026	Queen	Peripheral Ditch	Yes		Primary
027	Waverly	Peripheral Ditch	Yes		Primary
028	Haynes Avenue	Peripheral Ditch		Yes	Permitted Storm Outfall
029	Waverly	Peripheral Ditch	Yes		Primary
030	Avenue A	Peripheral Ditch		Yes	Primary





*file*

DONALD T. DiFRANCESCO  
Acting Governor

State of New Jersey  
Department of Environmental Protection  
Municipal Finance and Construction Element  
Division of Water Quality  
P.O. Box 425  
Trenton, New Jersey 08625  
Fax: (609) 633-8165  
www.state.nj.us/dep/dwq

Robert C. Shinn, Jr.  
Commissioner

JUL 27 2001

City of Newark  
Department of Water & Sewer Utilities  
920 Broad Street  
Newark, New Jersey 07102

Gentlemen:

There is enclosed a permit issued to you pursuant to Title 58 of the Revised Statutes of New Jersey and in consideration of your application received on 05/29/2001 signed by Phillip LiVecchi, Director, and Paul J. Mount, P.E.

The permit is for the construction and operation of an overflow chamber and CSO relief sewer along South & Pacific Streets in the City of Newark, New Jersey and subject to the conditions as noted on the permit.

This approval is valid for a period of two (2) years from the issuance date, unless otherwise stated in the attached approval document. This approval shall expire unless building, installing or modifying of the treatment works has begun within the initial approval period. Treatment works approvals may be extended beyond the original two year approval date, to a maximum period of five years from the original issuance date, in accordance with the terms and conditions contained in N.J.A.C. 7:14A-22.12. A time extension request must be received by the Department prior to the permit's expiration date. Time extension requests shall be submitted to:

Bureau of Engineering North  
Municipal Finance and Construction Element  
P.O. Box 425  
401 E. State St., 3rd Floor  
Trenton, New Jersey 08625

If you have any questions regarding the permit, please contact Michael Talpas of this office by calling (609) 633-1180.

Sincerely,

*James Portunus FOR*  
Arthur A. Zoda, P.E.  
Construction Control Section  
Bureau of Engineering North

01-0433  
Enclosure

cc: Camp Dresser & McKee, Paul J. Mount, P.E.  
Passaic Valley Sewerage Commissioners  
City of Newark

BAE000009





STATE OF NEW JERSEY  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
P.O. Box 402, TRENTON, NJ 08625-0402

**PERMIT TO CONSTRUCT AND OPERATE\* TREATMENT WORKS**

*\*Local Agency approval required prior to operation*

The New Jersey Department of Environmental Protection grants this permit in accordance with your application, attachments accompanying same application, and applicable laws and regulation.

PERMIT NO.	ISSUANCE DATE	EXPIRATION DATE	DESIGN FLOW
01-0433	07/26/2001	07/25/2003	0 M.G.D.

**NAME AND ADDRESS OF APPLICANT**

City of Newark  
920 Broad St.  
Newark NJ 07102

**LOCATION OF ACTIVITY**

Newark  
Essex County

**This permit grants permission to:**

Construct and operate an overflow chamber, 725 LF of 96" x 36" precast concrete box sewer along South & Pacific Streets, and 20 LF of 96" x 48" precast concrete box sewer in Thomas Street to replace a portion of the collapsed CSO outfall structure to CSO Point No. 023 - Adams Street in the City of Newark.

**According to the plans entitled:**

That the Plans approved herein are entitled "Brick Sewer Rehabilitation Program, Phase III/IV (F) Thomas Street Overflow Sewer Rehabilitation, Contract No. 07- WS2000, City of Newark", prepared, signed, and sealed by Paul J. Mount, P.E., dated April, 2001, sheets C1-3, D1-4 & SD-1.

**and according to the specifications entitled:**

That the Specifications approved herein are entitled "Project Manual, City of Newark, Contract No. 07-WS2000, Brick Sewer Rehabilitation Program, Phase III/IV (F) Thomas Street Overflow Sewer Rehabilitation, USEPA Grant NO. XP992291-01-02", prepared, signed, and sealed by Paul J. Mount, P.E., dated 4/2001.

Prepared by

Michael Talpas  
Supervising Environmental Engineer

APPROVED by the Department of Environmental Protection

Stanley V. Cach, Jr., P.E., P.P., Chief  
Bureau of Engineering North

*This permit is also subject to special provisos and general conditions stipulated on the three attached pages which are agreed to by the permittee upon acceptance of the permit.*

# **PART I**

## **PROVISOS**

### **A. Project Specific Provisos**

1. That pursuant to N.J.A.C. 7:10A-1 et. seq., an appropriate public wastewater collection system licensed operator will be required for your system.
2. That all sewerage conveyance facilities which are to be abandoned shall be emptied of wastes and either removed or abandoned in place in a manner which is acceptable to the administrative authority.
3. That no unpermitted discharge of raw sewage and/or untreated wastewater is to occur as a result of the construction approved herein.
4. That except as provided in N.J.A.C. 7:14A-22.4, any future sewer connections into the sanitary sewer system approved herein will require a treatment works approval from the N.J.D.E.P.
5. That this permit is being issued for zero flow due to the fact that the construction approved herein will convey and/or treat existing wastewater flows.

### **B. Custom Requirement**

1. That the sanitary sewer extension approved herein consists of an overflow chamber, 725 LF of 96" x 36" and 20 LF of 96" x 48" precast concrete box sewer.

**GENERAL CONDITIONS FOR TREATMENT WORKS APPROVALS****Section A. GENERAL CONDITIONS**

1. This permit is revocable, or subject to modification or change, at any time, when in the judgement of the Department of Environmental Protection of the State of New Jersey such revocation, modification or change shall be necessary.
2. The issuance of this permit shall not be deemed to affect in any way action by the Department of Environmental Protection of the State of New Jersey on any future application.
3. The works, facilities, and/or activities shown by plans and/or other engineering data, which are this day approved, subject to the conditions herewith established, shall be constructed and/or executed in conformity with such plans and/or engineering data and the said conditions.
4. No change in plans or specifications shall be made except with the prior written permission of the Department of Environmental Protection of the State of New Jersey.
5. The granting of this permit shall not be construed to in any way affect the title or ownership of property, and shall not make the Department of Environmental Protection or the State a party in any suit or question of property.
6. This permit does not waive the obtaining of Federal or other State or local government consent when necessary. This permit is not valid and no work shall be undertaken until such time as all other required approvals and permits have been obtained.
7. A copy of this permit shall be kept at the work site, and shall be exhibited upon request of any person.
8. No treatment unit or conveyance system may be by-passed which would result in the discharge of untreated sewage into any of the waters of the state.
9. The full responsibility for adequate design, construction and operation of the treatment works, and the full responsibility for successful collection, treatment, and discharge of pollutants shall be on the applicant.
10. The issuance of approval by the Department shall not relieve the applicant of the continuing responsibility for the successful collection, treatment, or discharge of pollutants for the continuing compliance with any applicable effluent limitations, permits, regulations, statute, or other law.
11. Review and approval is based solely upon the information contained in the application and the contents of the engineer's report as certified by the licensed professional engineer as being in compliance with the Department's Rules and Regulations.

**Section B. CONSTRUCTION COMPLETION CERTIFICATION**

1. Within 30 days of completion of the treatment works approved herein, the permittee shall submit two executed forms, WQM005 Certification of Approval, to the appropriate sewage treatment plant (STP) for their approval prior to operation. One executed copy approved by the receiving STP shall be forwarded to the appropriate Bureau and address noted on the cover page of this approval. Failure to submit the certification within 30 days of completion of the project may be grounds for revocation of the permit. Should partial operation be required prior to completion, approval will be under local jurisdiction.
2. In cases where the project and the receiving treatment facility are one in the same, the WQM005 Certification of Approval form must be submitted to the Bureau and address noted on the cover page of this approval within 30 days of completion of the treatment works. Failure to submit the certification within this time period may be grounds for revocation of the permit.

**Section C. PERMIT EXPIRATION AND EXTENSIONS OF TIME**

1. This permit shall remain in force for a period of only two years from the date of approval unless stated otherwise within the special provisos, or construction of said works has begun within the approved time frame. Interruption of construction of said works for a period of more than two years may serve as a basis for permit revocation.
2. Treatment works approvals may be extended beyond the original two year approval date, to a maximum of five years from the original issuance date, in accordance with the terms and conditions in N.J.A.C. 7:14A-22.12, unless stated otherwise within the special provisos. A time extension request must be received by the Department prior to the permit's expiration date. Requests must be submitted to the Bureau and address noted on the cover page.

**Section D. ADJUDICATORY HEARING REQUESTS**

1. Pursuant to N.J.A.C. 7:1C-1.9 et seq., any interested person who considers himself or herself aggrieved by this action, may, within 10 days of publication of notice of the decision in the DEP bulletin, request a hearing by addressing a written request for such hearing to the:

Office of Legal Affairs  
Attention: Adjudicatory Hearing Requests  
Department of Environmental Protection  
P.O. Box 402  
Trenton, NJ 08625-0402

Such a request should include a completed Administrative Hearing Request Checklist and Tracking form for Approvals or Denials, enclosed herein. This form is required, as DEP is the transmitting agency to the Office of Administrative Law, pursuant to N.J.A.C. 1:1-8.2.



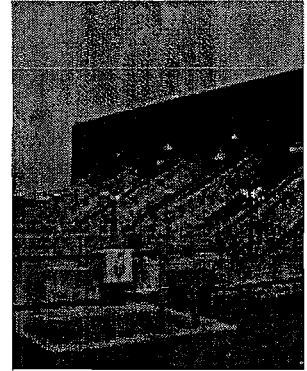
# Newark Water and Sewer

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## City of Newark Sewer System

### Existing Sewerage System:

Most of Newark is served by a combined sewer system. Dry weather flows (DWF) are diverted through interceptors to the Passaic Valley Sewage Commissioners (PVSC) Treatment Plant. Twenty primary combined outfalls discharge to the Passaic River and the Airport Peripheral Ditch tributaries excess combined flows from about 10.7 square miles, intermixed separate storm flows from 0.3 square miles, and intermixed separate sanitary flow from 3.4 square miles, including 2.5 square miles located in the City of East Orange. Three relief outfalls provide separate storm drainage for 1.3 square miles downstream of four interconnections that divert excess combined flows from adjacent combined sewer systems. There are four permitted storm sewers that drain about 0.5 square mile.



*Separate sanitary systems tributary to the PVSC serve the northwestern and southeastern portions of the City. Separate sanitary sewage from the southwestern corner and Vailsburg section is treated at the Joint Meeting Union (JMEU) Treatment Plant in Elizabeth.*

### PVSC Sewage Treatment (Goto PVSC website)

All of the City's combined sewer systems are within the PVSC service area. Limited rates of combined sewage in wet weather flows (WWF) are conveyed through intercepting sewers to the PVSC. Plant effluent discharges to New York Harbor indicate that Newark contributes about 30 percent of the average 280-MGD flow. About one-third of Newark's 80 to 90 MGD is domestic waste. The remainder consists of industrial wastes, infiltration, tidal intrusion, and combined sanitary and storm flows.

### Interceptors and Metering

Newark's sewage is delivered to the Plant by the PVSC Main Interceptor branches, and by the City's Southside Interceptor.

The PVSC Main Interceptor extends northward from the Plant through Newark, Belleville, Nutley, Passaic, Clifton and Paterson, generally paralleling the Passaic River. The 30 to 50 ft. deep, 5.8 mile segment through Newark is located beneath Wilson Avenue, Ferry Street and McCarter Highway. The hydraulic capacity of this segment of the sewer, if clean, ranges from about 200 MGD upstream to 1,000 MGD downstream.

BAF000001

downstream, but some capacity is lost due to sedimentation.

Branch interceptors and regulated combined sewer connections enter the Interceptor in Newark. PVSC branch interceptor connections include the Newark-Harrison (KNH) near Jackson Street, and the Jabez Street near I The Second River Union Outlet Interceptor connects to the Main Interceptor Belleville boundary.

Regulated combined flows from northern and downtown Newark are directed by the Main Interceptor from the following Outfalls: (a) 002 at Verona Avenue near Delavan Avenue East, (c) 004-005 at Herbert Place, (d) 007-008 at East, (e) 009-010 at Clay Street, (f) 011 at Orange Street, (g) 012 at Br 013 near Rector Street, (i) 014 near Saybrook Place, and (j) 015 near Ci

### **Southside Interceptor**

The Southside Interceptor extends four miles southwestward from the Point east of the Conrail corridor, to 1/4 mile north of the City's southern boundary. The sewer was constructed by the City but is leased and maintained by the PVSC. The diameter ranges from 54 to 84 inches. Depths to invert range from 13 to 20 feet. The Southside Interceptor intercepts regulated combined flows from outfall 002 at Peddie Ditch, Outfall 026 near International Way, and Outfall 027 near the Miller brewery. It also intercepts separate sanitary flows from Haynes Street in Newark Airport and its hotels, Busch brewery, and State Prison. The hydraulic capacity of the clean sewer (unsilted) is about 28 MGD upstream, 49 MGD downstream of Outfalls 026, and 85 MGD downstream of Outfalls 025. However, some capacity is lost due to sedimentation.

### **The Second River Union Outlet**

The 54-inch PVSC Second River Union Outlet interceptor enters the Main McCarter Highway south of the Belleville boundary. The separate sanitary sewer follows the banks of the Second River and services the separate systems in Newark, and portions of Belleville, Bloomfield, East Orange, Glen Ridge, and Orange. The Union Outlet connection is provided with a 48-inch overflow pipe that discharges to the Passaic River in Newark about 150 feet north of the Outfall. During periods of heavy rain and Main Interceptor surcharge, the PVSC may shut the interceptor connection gate and allow all sanitary flow to overflow. Although the Outfall overflow is within Newark, it is under the jurisdiction of the PVSC.

### **Collection System**

There are about 410 miles of sewers in Newark's collection system that are part of the PVSC system, excluding building connections. Most of Newark's trunk collection system was constructed in the nineteenth century. The combined sewer diameters range from 8 to 12 inches at the extremities to more than ten feet at some outfalls.

With the construction of the PVSC Treatment Plant and interceptors, PVSC has diverted a regulated maximum rate of sewage into the interceptors at the locations where each combined sewer outfall passed over the interceptor, allowing

of the intercepted flow to discharge to the waterway. Subsequently, separate stormwater and sanitary sewers have been installed in newly developed areas and portions of areas once served by the combined system.

In response to internal flooding caused by lack of combined sewer capacity, the City constructed relief storm sewers that allow the surcharged combined sewer to discharge into the relief sewer.

The average dry weather sanitary flow rate in Newark equals the runoff from 0.05 in/hr. of rainfall runoff. The City's combined sewers have capacities of 0.80 to 2.00 in/hr. of rainfall runoff, many times that needed to convey sanitary flows. Newark's largest combined trunks have twice the capacity of the Passaic River Interceptor. At each point of combined sewage interception, it is necessary to install a rate of flow entering the interceptor with a regulator. Combined sewage interception capacity overflows a diversion dam and discharges to the waterway. The DWF diversion dam crest is below the Spring high tide elevation, tide gauged and provided on the outfall to prevent the interception of waterway flow.

The PVSC maintains ten major and five minor CSO regulators on the combined sewers entering their interceptors. The major regulators control interception from Outfalls (a) 002, (b) 004-005, (c) 008, (d) 009-010, (e) 013, (f) 014, (g) 015, (h) 016, (i) 017, and (j) 018. The minor regulators control interception from Outfalls (a) 003, (b) 007, (c) 009b in Passaic, (d) 011 and (e) 012. The intercepted flows are controlled by the capacities of vertical orifices and downstream interconnecting piping. At the major regulators, flow interception can be shut off with remotely operated gates on the downstream face of the orifice.

The City constructed nine presently active regulators, intercepting flow from combined sewer Outfalls, (a) 003 upstream, (b) 022, (c) 023, (d) 024, (e) 025 (2), (f) 026, and (g) 027-029.

Due to maintenance problems and obsolescence, all float operated gates installed, except that upstream of Waverly Ditch Outfall 027-029, have been repaired or removed. The rates of interception are now controlled by fixed orifices and gates.

When the Plant flow approaches 480 MGD, the PVSC operator closes the more of the points of interception until plant flow stabilizes at 480 MGD. The gates are reopened after the rain has ended. The sequencing is based on the operator's assessment of the amount of throttling required for the specific rainfall. There are provisions for manual operation of the gates if the telemetry fails.

The City installed a knife gate on the regulator on Outfall 022. The normal position of the gate on the DWF connection shuts when the adjacent storage module floods and discharges stored combined sewage to the Passaic River.

When the *sluice gates* on the ten regulator orifices or the Union Outlet are closed, all tributary subsystem flows are diverted to the Passaic River under the CSO outfall. When the gate on the Southside Interceptor is closed, the Interceptor surcharges about 10 to 15 feet. The surcharge backs up at the non-regulated flows that discharge with the regulated flow through the Peddie and Waverly into the tidal ditches. The surcharging of the Southside Interceptor could affect low-lying tributary connections.



Several of the original combined sewers had insufficient capacity to prevent flooding. Accordingly, the City installed interconnections that permit surcharged combined sewers to overflow into adjacent combined sewers or storm relief. Interconnections with upstream combined system divert surcharged combined flow through the Meadowbrook outfall 001 to the Second River, and through outfalls 004 and 006 to the Passaic River. (Outfall 003 is partially intercepted, but sewer valves in the upstream regulator prevent the interception of the relief flow.)

The City has participated in CSO pollution control demonstration projects including storage floatable netting.

As part of a CSO abatement program for the Ironbound section, Newark, installed a 1982 demonstration storage module regulator at Roanoke Avenue Outfall 025. The module provides available storage capacity in a large flat tributary-combined trunk. Generally, the tributary sewer can store between 0.50 and 0.10 inches of tributary rain. The storage module contains a hydraulically operated *flapgate* across the outfall and an orifice regulated DWF diversion. Interception is provided while the module capacity is filling. When filled, the flapgate opens, rapidly discharging all stored combined sewage, and the knife gate shuts, ceasing interception until the module empties.

As part of a 1991 USEPA demonstration grant, pontoon-mounted netting was installed to intercept CSO floatable 1/2 inch or larger at Saybrook Place, and Peddie Ditch, Outfall 025.

#### **Outfalls with CSO Permits**

Newark's 30 permitted outfalls have been classified herein as follows: (1) excluding the second of twin-barrel outlets) as major primary, (2) three as minor primary, (3) two as completely unintercepted relief, and (4) four as unintercepted separate storm. Major primary outfalls drain more than 50 acres and overflow capacity of the regulated interception connection is exceeded. Minor primary outfalls operate similarly but have drainage areas less than 15 acres. Relief outfalls intercept CSO only when the upstream flow levels in adjacent combined sewers rise above the level of interconnections between the combined and relief system. Separate storm outfalls with CSO Permits have no legitimate sanitary connections but may have some CSO outfall prior to sewer separation, (2) connected illicit sanitary connections, and (3) drainage from polluted surface flows.

**24 Hour Hotline: 973-733-8411**



RECD

JUN 25 1969

SUPERIOR COURT OF NEW JERSEY  
CHANCERY DIVISION  
ESSEX COUNTY  
DOCKET NO.

PASSAIC VALLEY SEWERAGE  
COMMISSIONERS, a public  
corporation,

*Plaintiff* PLAINTIFF

PAID  
JUN 25 1969  
FINANCE SECT.

FILED

-VS-

JUN 23 1969

NELSON K. MINTZ, J. S. C

CITY OF NEWARK, a muni-  
cipal corporation of the  
State of New Jersey,

DEFENDANT

Filing Fee \$50.00

CIVIL ACTION

COMPLAINT  
AND AFFIDAVIT

Copy of this pleading  
retained in the County  
Clerk's Office  
Signed

*Richard V. Gagliardi*  
County Clerk

Thomas E. Durkin, Jr.  
24 Branford Place  
Newark, New Jersey

BAG0000081

DOCKETED  
JUN 25 1969

RECEIVED TO  
COUNTY CLERK  
N/C

1

SUPERIOR COURT OF NEW JERSEY  
CHANCERY DIVISION ESSEX COUNTY  
DOCKET NO.

PASSAIC VALLEY SEWERAGE  
COMMISSIONERS, a public  
corporation,

PLAINTIFF

-vs-

CITY OF NEWARK, a muni-  
cipal corporation of the  
State of New Jersey,

DEFENDANT

CIVIL ACTION

COMPLAINT

Plaintiff, Passaic Valley Sewerage Commissioners, a public corporation, having its principal office in the City of Newark, County of Essex, and State of New Jersey, says that:

1. Plaintiff is a body corporate and politic, created, organized and existing under and by virtue of the laws of the State of New Jersey.

2. Plaintiff is vested with full power and authority and is charged with the duty to prevent the pollution of the Passaic River and its tributaries, and has full power and authority to sue, which said powers and duties are defined, granted and imposed under the laws of the State of New Jersey, as set forth in the Revised Statutes of New Jersey, 1937, Title 58, Chapter 14, as supplemented and amended.

3. Plaintiff further shows that pursuant to the power and authority vested in it, under and by virtue of the statute aforesaid, the plaintiff, acting under contract with certain municipalities within the Passaic Valley Sewerage Commissioners' District, as defined by law, constructed a sewerage system and disposal works for the intercepting and disposal of sewage or other polluting matter, in order to free said river and its tributaries from pollution and improve

system into operation on or about the 2nd day of August, 1924, which said system of sewerage and disposal works has ever since been and still is in operation, being operated by plaintiff.

4. Under certain of the provisions of said law, i.e. N.J.S.A. 58:14-7, it is provided:

"No sewage or other polluting matter shall be discharged directly or indirectly, into the waters of the Passaic River at any point between the Great Falls in the City of Paterson and the mouth of said river at Newark Bay, or into the waters of any of the tributaries of said river which empty into it between said points, and the Commissioners may enforce the provisions of this chapter over and throughout all municipalities which may, or the inhabitants of which may, directly or indirectly discharge sewage or other polluting matter into said waters. The Commissioners may institute in their corporate name such civil actions as may be deemed necessary or appropriate to enforce the provisions of this section, and the Superior Court is hereby vested with jurisdiction to enforce said provisions by such actions brought by the Commissioners. The Court may proceed in such actions in a summary manner or otherwise. As amended L. 1953, c. 54, p. 963, s. 32."

5. The Defendant, City of Newark, maintains, operates, and controls certain storm sewers within its territorial jurisdiction, more specifically, certain storm sewers which terminate at Lockwood Street, Blanchard Street, and Roanoke Avenue, all of which sewers discharge directly into the Passaic River, and the Defendant does additionally thereto operate, maintain and control an additional storm sewer, more commonly known and referred to as "Meadowbrook Storm Sewer", which empties into and discharges into Second River, a tributary of the Passaic River.

There is presently existing and has existed for a long period of time, next immediately preceding, and is expected to so continue, a condition whereby the Defendant, City of Newark, permits industrial and sanitary waste to be discharged

M.P.

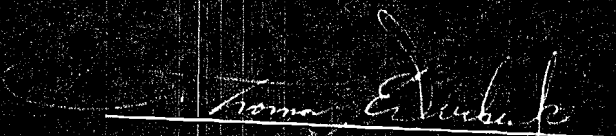
from the afore referred to sewers into the Passaic River or its tributaries.

The involved discharge is an unsightly appearance, hazardous in matter, and tends to destroy the ecology of the river and its involved tributary.

6. The discharge being permitted and suffered by the Defendant, City of Newark, to be discharged and deposited in the Passaic River and its involved tributary, will continue to be so discharged unless the said Defendant is enjoined and restrained by Order and Judgment of the Court.

7. All of the foregoing has constituted and now constitutes pollution of a very serious character contrary to and in violation of the statute aforesaid.

WHEREFORE, plaintiff demands judgment enjoining and restraining the Defendant, its officers, agents and employees from discharging into the waters of the Passaic River or its tributaries, polluting matters of any kind and matter whatsoever.

  
THOMAS E. DURKIN, JR.  
Attorney for Plaintiff

M.P.

STATE OF NEW JERSEY

COUNTY OF ESSEX

VERIFICATION

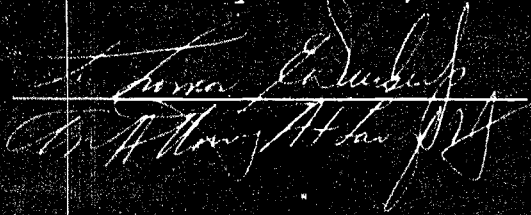
Seymour A. Lubetkin, being of full age, duly sworn upon his oath, deposes and says:

1. I am the Chief Engineer for the Passaic Valley Sewerage Commissioners and have been so employed for approximately fifteen years, next immediately preceding.

2. I have read the foregoing complaint and I am familiar with the contents thereof and know the same to be true.

  
S. A. Lubetkin,  
Chief Engineer

Sworn and subscribed before me, a Notary Public, in and for the County of Essex, State of New Jersey, on this sixteenth day of June, 1969.



M.P.



STATE OF NEW JERSEY

COUNTY OF ESSEX

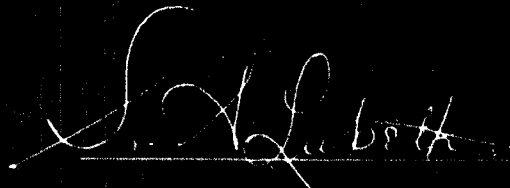
AFFIDAVIT

1. I, Seymour A. Lubetkin, am the Chief Engineer for the Passaic Valley Sewerage Commissioners and have been so employed for approximately fifteen years, next immediately preceding.

2. In my official capacity as Chief Engineer, I have received numerous reports from the Commissioners' River Inspectors reporting the discharge of prohibited matters from the Defendant's storm sewers, more specifically the storm sewers at Lockwood Street, Blanchard Street, Roanoke Avenue, and the Meadowbrook Storm Sewer.

3. I have on numerous occasions consulted with representatives of the City of Newark concerning the pollution matters, wherein, the representatives acknowledged the existence of the pollution and a desire to abate the pollution, but to date the condition continues.

4. I am in receipt of numerous pieces of correspondence concerning the instant matter, three of which I attach to my Affidavit, which are self-explanatory and which establish the pollution and the acknowledgement thereof by the City of Newark.



S. A. Lubetkin  
Chief Engineer

Sworn and subscribed before  
me, a Notary Public, in and  
for the County of Essex, on





MEETING OF FEB 28 1962

CITY OF NEWARK, NEW JERSEY  
LEO P. CARLIN, MAYOR

FRANK J. RINALDI  
FINANCE ADMINISTRATOR

DEPARTMENT OF PUBLIC WORKS  
GEORGE W. ANDREWS  
DIRECTOR

February 26, 1962.

Mr. Thomas E. Durkin, Jr.  
Counsel  
Passaic Valley Sewerage Commissioners  
799 Broad Street  
Newark 2, New Jersey.

Dear Mr. Durkin:

Referring to your letter of February 9th regarding pollution of the Passaic River on account of our Blanchard Street and Lockwood Street storm sewers, enclosed is a report from Mr. Robert Van Riper, Division Engineer, Division of Sewers, with reference to this matter.

I know the Passaic Valley Sewerage Commissioners have been patient with us regarding this pollution but I assure you now that we will pursue this matter to a conclusion satisfactory to you.

Very truly yours,

George W. Andrews  
Director.

GWA:Cj  
encl.



MEETING OF FEB 13 1962

THE CITY OF NEWARK, NEW JERSEY

LEO P. CARLIN, Mayor

MARIANO J. FIALDI  
BUSINESS ADMINISTRATOR

DEPARTMENT OF PUBLIC WORKS  
GEORGE W. ANDRESS, Director  
AUGUST E. ZENTGRAF, Chief Engineer

February 26, 1962

FEB 26 1962

Mr. George W. Andress,  
Director, Dept. of Public Works,  
City Hall,  
Newark, N. J.

Dear Mr. Andress: Re: Passaic Valley Sewerage Commissioners

In connection with your letter of February 13, 1962 regarding conditions on Blanchard Street and also Lockwood Street, please be advised as follows:

The difficulty on Blanchard Street seems to be an industrial connection into a storm sewer which as yet we have been unable to pinpoint and correct.

On Lockwood Street at Lister Ave., there seems to be a condition of open joints in the sanitary sewer causing leakage into the storm sewer.

It is the intention of this Bureau to correct these sources of river pollution as soon as possible and in order to be more specific, the effort to correct the condition on Lockwood Street has been scheduled to start on March 5, 1962.

As previously mentioned to you, it will be necessary to hire equipment and relay approximately 200 feet of sanitary sewer. In addition it may be necessary to relay part of the 60" storm sewer.

Very truly yours,

*Robert Van Riper*

Robert Van Riper,  
DIVISION ENGINEER

RVR:gpf





MEETING OF FEB 23 1962

THE CITY OF NEWARK, NEW JERSEY

LEO P. CARLIN, MAYOR

MARIANO J. RINALDI  
BUSINESS ADMINISTRATOR

DEPARTMENT OF PUBLIC WORKS

GEORGE W. ANDRESS, DIRECTOR  
AUGUST E. ZENTGRAF, CHIEF ENGINEER

February 26, 1962

ROBERT VAN RIPER  
DIVISION ENGINEER  
BUREAU OF SEWERAGE

FEB 6 1962

Mr. George W. Andress,  
Director, Dept. of Public Works,  
City Hall,  
Newark, N. J.

Dear Mr. Andress: Re: Pasaden Valley Sewerage Commissioners

In connection with your letter of February 13, 1962 regarding conditions on Blanchard Street and also Lockwood Street, please be advised as follows:

The difficulty on Blanchard Street seems to be an industrial connection into a storm sewer which as yet we have been unable to pinpoint and correct.

On Lockwood Street at Lister Ave., there seems to be a condition of open joints in the sanitary sewer causing leakage into the storm sewer.

It is the intention of this Bureau to correct these sources of river pollution as soon as possible and in order to be more specific, the effort to correct the condition on Lockwood Street has been scheduled to start on March 5, 1962.

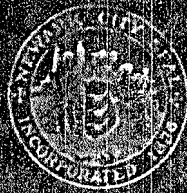
As previously mentioned to you, it will be necessary to hire equipment and relay approximately 200 feet of sanitary sewer. In addition it may be necessary to relay part of the 60" storm sewer.

Very truly yours,

*Robert Van Riper*

Robert Van Riper,  
DIVISION ENGINEER

RVR:gpf



THE CITY OF NEWARK, NEW JERSEY  
HUGH J. ADDONIZIO, MAYOR

FERDINAND J. DIUNNO  
BUSINESS ADMINISTRATOR

DEPARTMENT OF PUBLIC WORKS  
ANTHONY P. LA MORTE, DIRECTOR  
AUGUST E. ZENTGRAF, CHIEF ENGINEER

January 26, 1968

ROBERT VAN RYPER  
BUREAU ENGINEER  
BUREAU OF SEWERS

Mr. S. A. Lubetkin, Chief Engineer  
Passaic Valley Sewerage Commissioners  
790 Broad St.,  
Newark, 2 N. J.

Re: Blanchard St., Lockwood St.,  
and Meadowbrook Sewers

Dear Mr. Lubetkin:

Replying to your letter dated January 17, 1968, please be advised that work on the Blanchard St. and Lockwood St. sewers has been temporarily suspended due to extremely low temperatures.

Operations in this area are scheduled for resumption on March 4, 1968, weather permitting.

We have encased the sanitary sewer in concrete for a distance of approximately 180 feet, on Lister Ave. to prevent exfiltration entering the storm sewer. There is still a small portion of sewer to be encased.

With respect to the Meadowbrook Storm Sewer, this line has been walked from Second River to Heckel St. in Belleville a distance of approximately 2 1/2 miles.

Evidence of pollution has been observed and we are presently continuing the search for its origin.

Very truly yours,

*Robert Van Ryper*  
Robert Van Ryper  
BUREAU ENGINEER

RVR:emr.





0727 NJ 0108754  
**Newark**

Sharpe James  
Mayor

N.J.D.E.P.  
COMPLIANCE & ENFORCEMENT  
NORTHERN FIELD OFFICE

Department of Water and Sewer Utilities  
Division of Sewers and Water Supply

Anthony DeBarros  
Manager

2004 JUL 19 P 12:42

1294 McBride Avenue  
Little Falls, New Jersey 07424  
973-256-4965  
Fax 973-256-7383

July 16, 2004

Mr. Joseph Mikulka, P.E., Chief  
Northern Bureau of Water Compliance and Enforcement  
1259 Route 46 East, Building 2  
Parsippany, NJ 07054-4191

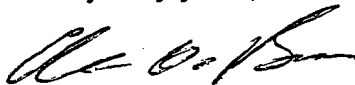
Re: City of Newark Combined Sewer Overflow  
NJPDES No. NJ108758  
Progress report required per the ACO

Dear Mr. Mikulka:

Enclosed, please find the latest Progress and Status Report on the City's Combined Sewer Overflow permit compliance. This report is forwarded to you as per the requirement of the City's Administrative Consent Order with the NJDEP.

Please contact me if you require additional information.

Very truly yours,



Anthony DeBarros,  
Manager

Cc: Alvin L. Zach, PE, Department of Water and Sewer Utilities  
Theophilus Ashie, NJDEP Water Compliance and Enforcement  
Christian Sherban, Senior Engineer Hydraulics

BAH000005

**CITY OF NEWARK CSO SOLIDS/FLOATABLES CONTROL MEASURES PLAN PROGRAM SUMMARY AND STATUS**

CSO Number	Name	Phase	Screens		Nets	Property Ownership	Items Completed (Date)	Items Completed This Period	Remarks
			Type 1	Type 2					
001	Meadowbrook	II				NA	Letter sent to NJDEP 12/2001 indicating that the City will plug the relief overflow, pending confirmation of modeling results	Modeling revealed plugging of the relief would not induce upstream flooding	Plugging of relief outfall will be done under Phase IIIB or IIIC.
002	Verona	IIIC	X			Private- Must subdivide and acquire	100% Design submitted 12/2001	Letter sent to the EPA Grant and Contracts Management Branch in March 2004 requesting approval for using grant money to acquire property	Negotiations with property owner on-going. Initial appraisal complete. City to proceed with acquisition or condemnation based on final City appraisal and negotiation providing TWA is endorsed by PVSC and issued by NJDEP. *
003	Delavan	IIIC		X		Private- Must acquire	100% Design submitted 12/2001	Letter sent to the EPA Grant and Contracts Management Branch in March 2004 requesting approval for using grant money to acquire property	Negotiations with property owner on-going. Initial appraisal complete. City to proceed with acquisition or condemnation based on final City appraisal and negotiation providing TWA is endorsed by PVSC and issued by NJDEP. **
004/005	Herbert	IIIC	X			Private- Must acquire easement	100% Design submitted 12/2001	Letter sent to the EPA Grant and Contracts Management Branch in March 2004 requesting approval for using grant money to acquire property	Negotiations with property owner on-going. City to proceed with obtaining easement based on final City negotiation providing TWA is endorsed by PVSC and issued by NJDEP. *
006	Oriental	II				NA	Letter sent to NJDEP 12/2001 indicating that the City will plug the relief overflow, pending confirmation of modeling results	Modeling revealed plugging of the relief would not induce upstream flooding	Plugging of relief outfall will be done under Phase IIIB or IIIC.
007	Third	I				In City Streets- No property issues	Sewers separated in this drainage area	Letter sent to NJDEP on January 12, 2004 requesting removal from State list.	Completion of work was delayed due to additional coordination with NJDOT Contract No.002980171 in final planning stage.
008	Fourth	IIIC		X		In City Street which was vacated. Subdivision and acquisition required	100% Design submitted 12/2001	Letter sent to the EPA Grant and Contracts Management Branch in March 2004 requesting approval for using grant money to acquire property	Negotiations with property owner on-going. Initial appraisal complete. City to proceed with acquisition or condemnation based on final City appraisal and negotiation providing TWA is endorsed by PVSC and issued by NJDEP. **
009/010	Clay	IIIC		X		City finalizing acquisition with Waste Management	100% Revised Design submitted to NJEIFP for funding	Redesign to account for the higher flows 100% complete	The model from LMS with dam in diversion chamber removed, revealed higher flows. Continued w/final property acquisition **

**CITY OF NEWARK CSO SOLIDS/FLOATABLES CONTROL MEASURES PLAN PROGRAM SUMMARY AND STATUS**

011	Orange	I				In City Streets- No property issues	Sewers separated in this drainage area	Letter sent to NJDEP on January 12, 2004 requesting removal from State list.	Completion of work was delayed due to additional coordination with NJDOT Contract No.002980171 in final planning stage.
012	Bridge	I				In City Streets- No property issues	Sewers separated in this drainage area	Letter sent to NJDEP on January 12, 2004 requesting removal from State list.	Completion of work was delayed due to additional coordination with NJDOT Contract No.002980171 in final planning stage.
013/014	Rector/Saybrook	IIIC		X		No City Action required	100% Design submitted 7/2001	Construction underway, building superstructure erected	Screening Facility being constructed as a specialty item under NJDOT's Route 21- Contract No.002980171.
015	City Dock	IIIC			X	In City Streets- No property issues	100% Revised Design submitted to NJEIFP for funding	Verbal agreement with DEP reached to change to netting facility, Design 100% complete.	Negotiation with property owner for final location of netting facility/outfall on-going **
016/017	Jackson/Polk	IIIC		X		Parkland- Must Acquire, includes Green Acres Issues	100% Revised Design submitted to NJEIFP for funding	The application/resolution requesting diversion of section of the Morris Canal Bed, now under Green Acres Program, to be used for construction of the CSO Screening Facility previously sent to the City's legal department. City Council must approve at next meeting.	Negotiations with property owner on-going. City to proceed with obtaining easement based on final City negotiation providing TWA is endorsed by PVSC and issued by NJDEP. **
018	Freeman	IIIC		X		On City and private property- Must subdivide and acquire private property	100% Revised Design submitted to NJEIFP for funding	Letter sent to the EPA Grant and Contracts Management Branch in March 2004 requesting approval for using grant money to acquire property	Negotiations with property owner on-going. Initial appraisal complete. City to proceed with acquisition or condemnation based on final City appraisal and negotiation providing TWA is endorsed by PVSC and issued by NJDEP. **
019	Brown	II				NA	Sewers cleaned 12/2002	Letter sent to NJDEP on March 11, 2004 indicating City's plan to permanently abandon this outfall.	Plugging of outfall will be done under Phase IIB or IIIC.
020	Lockwood	II				NA	Sewers cleaned 12/2002		Minor construction will be done under Phase IIB or IIIC.
021	Blanchard	II				NA	Sewers cleaned 12/2002	Investigation of this outfall completed and revealed no sanitary connections.	Removal from list will be requested third quarter 2004



**CITY OF NEWARK CSO SOLIDS/FLOATABLES CONTROL MEASURES PLAN PROGRAM SUMMARY AND STATUS**

022	Roanoke	IIIC		X		Private- Must subdivide and acquire	100% Design submitted 12/2001	Letter sent to the EPA Grant and Contracts Management Branch in March 2004 requesting approval for using grant money to acquire property	Negotiations with property owner on-going. Initial appraisal complete. City to proceed with acquisition or condemnation based on final City appraisal and negotiation providing TWA is endorsed by PVSC and issued by NJDEP. **
023	Adams	IIIB			X	In City Street- No property Needs	100% Design submitted 11/2001	Notice to proceed issued on April 5, 2004	Construction Contract for netting facilities delayed by Anheuser Busch. Easement could not be obtained for the Waverly site. Waverly site moved to Newark Airport location where access agreement w/Port Authority further delayed Construction Contract.
024/030	Wheeler	IIIB			X	In City Street- No property Needs	100% Design submitted 11/2001	Notice to proceed issued on April 5, 2004	Construction Contract for netting facilities delayed by Anheuser Busch. Easement could not be obtained for the Waverly site. Waverly site moved to Newark Airport location where access agreement w/Port Authority further delayed Construction Contract.
025	Peddie	---			X	No new construction	Existing netting facility to remain	---	---
026	Queen	---			X	In City Street and on private property- must acquire property or easement from Hartz Mountain	100% Design submitted 11/2001		Outfall not active
027/029	Waverly	IIIB			X	City Property- Must get access from Port Authority to build and maintain facility	100% Design submitted 11/2001	Notice to proceed issued on April 5, 2004	Construction Contract for netting facilities delayed by Anheuser Busch. Easement could not be obtained for the Waverly site. Waverly site moved to Newark Airport location where access agreement w/Port Authority further delayed Construction Contract.
028	Haynes	---				NA	Letter sent to NJDEP 12/2001 indicating that the City does not own this outfall.		NJDOT acknowledged ownership

N/A- Property requirements not anticipated. TWA is not anticipated to be required.

\* Tidelands Permit Application submitted to NJDEP

\*\* Waterfront Development Permit received from NJDEP



# Newark

Sharpe James  
Mayor

N.J.D.E.P.  
COMPLIANCE & ENFORCEMENT  
NORTHERN FIELD OFFICE

Department of Water and Sewer Utilities  
Division of Sewers and Water Supply

Anthony DeBarros  
Manager

2003 JUL 14 P 3:02

1294 McBride Avenue  
Little Falls, New Jersey 07424  
973-256-4965  
Fax 973-256-7383

July 11, 2002

Mr. Joseph M. Mikulka, P.E. Chief  
NJDEP NBWE&C  
1259 Route 46, Bldg. 2  
Parsippany, New Jersey 07054-4191

RE: NJDEP # NJ0108758; CITY OF NEWRK CSO; PROGRESS REPORT  
REQUESTED PER THE ACO

Dear Mr. Mikulka:

Enclosed, please find the latest Progress and Status Report on the City's Combined Sewer Overflow permit compliance. This report is forwarded to you as per the requirement of the City's Administrative Consent Order with the NJDEP.

Please contact me if you require additional information.

Very truly yours,

CITY OF NEWARK



Anthony DeBarros, Manager  
Div. of Sewers and Water Supply

ADB/am

cc: Alvin L. Zach, P.E., Department of Water & Sewer Utilities  
Christian Sherban, Senior Engineer Hydraulics

certified mail

CSO cover letter

BAH000028

**CITY OF NEWARK CSO SOLIDS/FLOATABLES CONTROL MEASURES PLAN  
PROGRAM SUMMARY AND STATUS**

CSO Number	Name	Phase	Screens		Nets	Property Ownership	Items Completed (Date)	Items Completed This Period	Remarks
			Type 1	Type 2					
001	Meadowbrook	II				NA	Letter sent to NJDEP 12/2001 indicating that the City will plug the relief overflow, pending confirmation of modeling results		Plugging of outfall will be done by City or under netting contract
002	Verona	IIIC	X			Private- Must subdivide and acquire	100% Design submitted 12/2001		
003	Delavan	IIIC		X		Private- Must acquire	100% Design submitted 12/2001		
004/005	Herbert	IIIC	X			Private- Must acquire easements	100% Design submitted 12/2001		
006	Oriental	II				NA	Letter sent to NJDEP 12/2001 indicating that the City will plug the relief overflow, pending confirmation of modeling results		Plugging of outfall will be done by City or under netting contract
007	Third	I				In City Streets- No property issues	Sewers seperated in this drainage area		Removal from list will be requested third quarter 2003
008	Fourth	IIIA		X		In City Street which was vacated. Subdivision and acquisition required	100% Design submitted 12/2001		
009/010	Clay	IIIC		X		City finalizing acquisition with Waste Management	100% Design submitted 12/2001	Advanced acquisition of property	
011	Orange	I				In City Streets- No property issues	Sewers seperated in this drainage area		Removal from list will be requested third quarter 2003
012	Bridge	I				In City Streets- No property issues	Sewers seperated in this drainage area		Removal from list will be requested third quarter 2003
013/014	Rector/Saybrook	IIIC		X		NJDOT to acquire property, No City Action required	100% Design submitted 7/2001	Construction underway, base slab installed	
015	City Dock	IIIC		X		Private- Must Acquire	100% Design submitted 12/2001		Property owner's engineer is investigating alternatives at this site
016/017	Jackson/Polk	IIIC		X		Parkland- Must Acquire, includes Green Acres Issues	100% Design submitted 12/2001		Green acres has an interest in the property. Known contamination on site (lead).
018	Freeman	IIIC		X		On City and private property- Must subdivide and acquire private property	100% Design submitted 12/2001		

**CITY OF NEWARK CSO SOLIDS/FLOATABLES CONTROL MEASURES PLAN  
PROGRAM SUMMARY AND STATUS**

019	Brown	II				NA	Sewers cleaned 12/2002	Conducting field investigations for illegal connections	No construction by City is anticipated. Removal from list will be requested third quarter 2003
020	Lockwood	II				NA	Sewers cleaned 12/2002	Conducting field investigations for illegal connections	No construction by City is anticipated. Removal from list will be requested third quarter 2003
021	Blanchard	II				NA	Sewers cleaned 12/2002	Conducting field investigations for illegal connections	No construction by City is anticipated. Removal from list will be requested third quarter 2003
022	Roanoke	IIIC		X		Private- Must subdivide and acquire	100% Design submitted 12/2001	Completed detailed subdivision maps and metes and bounds descriptions of property and easements to be acquired	
023	Adams	IIIB			X	In City Street- No property Needs	100% Design submitted 11/2001	Advertised Construction Contract	Bid Opening July 2003
024/030	Wheeler	IIIB			X	In City Street- No property Needs	100% Design submitted 11/2001	Advertised Construction Contract	Bid Opening July 2003
025	Peddie	---			X	No new construction	Existing netting facility to remain		
026	Queen	---			X	In City Street and on private property- must acquire property or easement from Hartz Mountain	100% Design submitted 11/2001	The Queen Regulator outfall is blocked. Elected to remove from netting contract.	
027/029	Waverly	IIIB			X	City Property- Must get easement from Port Authority	100% Design submitted 11/2001	Advertised Construction Contract. Reviewed Port Authority site access agreement.	Bid Opening July 2003
028	Haynes	---				NA	Letter sent to NJDEP 12/2001 indicating that the City does not own this outfall, NJDOT does		

N/A- Property requirements not anticipated. TWA is not anticipated to be required.



Central File

Handwritten signature and "Theo"

# Newark

Sharpe James  
Mayor

MAILED  
JUL 31 10 12 AM '02

Department of Water and Sewer Utilities  
Division of Sewers and Water Supply

1294 McBride Avenue  
Little Falls, New Jersey 07424  
973-256-4965  
Fax 973-256-7383

Philip A. LiVecchi  
Director

Anthony DeBarros  
Manager

## CERTIFIED MAIL

July 30, 2002

Handwritten "95 7/31"

Mr. Joseph M. Mikulka, P.E., Chief  
NJDEP NBWE&C  
1259 Route 46, Bldg 2  
Parsippany, NJ 07054-4191

Ref: NJPDES # NJ0108758; City of Newark CSO; Progress Report

-27

Dear Mr. Mikulka:

Enclosed, please find the latest Progress and Status Report on the City's Combined Sewer Overflow permit compliance. This report is forwarded to you as per the requirement of the City's Administrative Consent Order with the NJDEP.

Please contact me if require any additional information.

Very truly yours,

CITY OF NEWARK

Handwritten signature of Anthony DeBarros

Anthony DeBarros  
Manager

aco-report1-73002.wpd

cc: Philip LiVecchi, Director, Dept. of Water and Sewer  
Sanjeev Varghese, P.E., Supervising Engineer  
Christian Sherban, Senior Engineer, Hydraulic

BAH000031

**CITY OF NEWARK CSO SOLIDS/FLOATABLES CONTROL MEASURES PLAN**  
**DESIGN PHASING PLAN STATUS AND LAND REQUIREMENTS SUMMARY**

CSO Number	Name	Property Ownership	Completion as of July 2002	Actions Taken	Mandated compliance date	Explanation for non-compliance
001	Meadowbrook	NA	Letter sent to NJDEP 12/2001 indicating that the City will plug the overflow, pending confirmation of modeling results	The outfall is to be reclassified as storm outfall	TWA-12/31/01	No TWA Required
002	Verona	Private- Must Acquire	Mechanical Design 100% Design submitted 12/2001	Access agreements are being sent out for this purpose	TWA-12/31/01	TWA Submitted without PVSC signature. Property Acquisition difficulties Continue
003	Delavan	Private- Must Acquire	Mechanical Design 100% Design submitted 12/2001		TWA-12/31/01	TWA Submitted without PVSC signature. Property Acquisition difficulties Continue
004/005	Herbert	Private- Must Acquire	Mechanical Design 100% Design submitted 12/2001		TWA-12/31/01	TWA Submitted without PVSC signature. Property Acquisition difficulties Continue
006	Oriental	NA	Letter sent to NJDEP 12/2001 indicating that the City will plug the overflow.		TWA-12/31/01	No TWA Required
007	Third	In City Streets- No property issues	100%		TWA-12/31/01	Construction complete
008	Fourth	In City Street which was vacated. Filing of this vacation is in question. Must confirm City ownership.	Mechanical Design 100% Design submitted 12/2001		TWA-12/31/01	TWA Submitted without PVSC signature. Property Acquisition difficulties Continue



**CITY OF NEWARK CSO SOLIDS/FLOATABLES CONTROL MEASURES PLAN**  
**DESIGN PHASING PLAN STATUS AND LAND REQUIREMENTS SUMMARY**

<b>CSO Number</b>	<b>Name</b>	<b>Property Ownership</b>	<b>Completion as of July 2002</b>	<b>Actions Taken</b>	<b>Mandated compliance date</b>	<b>Explanation for non-compliance</b>
009/010	Clay	Private- Must Acquire	Mechanical Design 100% Design submitted 12/2001		TWA-12/31/01	TWA Submitted without PVSC signature. Property Acquisition difficulties
011	Orange	In City Streets- No property issues	100%, Contract Awarded			Construction Complete
012	Bridge	In City Streets- No property issues	100%, Contract Awarded		TWA-12/31/01	Construction Complete
013/014	Rector/Saybrook	NJDOT to acquire property, No City Action required	100%, TWA Permit issued, Contract to be awarded in April, 2002		TWA-12/31/01	TWA is filed by NJDOT and construction started.
015	City Dock	Private- Must Acquire	Mechanical Design 100% Design submitted 12/2001		TWA-12/31/01	TWA Submitted without PVSC signature. Property Acquisition difficulties Continue

**CITY OF NEWARK CSO SOLIDS/FLOATABLES CONTROL MEASURES PLAN**  
**DESIGN PHASING PLAN STATUS AND LAND REQUIREMENTS SUMMARY**

CSO Number	Name	Property Ownership	Completion as of July 2002	Actions Taken	Mandated compliance date	Explanation for non-compliance
016/017	Jackson/Polk	Parkland- Must Acquire, includes Green Acres Issues	Mechanical Design 100% Design submitted 12/2001			TWA Submitted without PVSC signature. Property Acquisition difficulties Continue
018	Freeman	Private- Must Acquire	Mechanical Design 100% Design submitted 12/2001		TWA-12/31/01	TWA Submitted without PVSC signature. Property Acquisition difficulties Continue
019	Brown	NA		Steps are taken to reclassify the sewer		Work in progress
020	Lockwood	NA		Steps are taken to reclassify the sewer		Work in progress
021	Blanchard	NA		Steps are taken to reclassify the sewer	TWA-12/31/01	Work in progress
022	Roanoke	Private- Must Acquire	Mechanical Design 100% Design submitted 12/2001		TWA-12/31/01	TWA Submitted without PVSC signature. Property Acquisition difficulties Continue
023	Adams	In City Street- No property Needs	Mechanical Design 100% Design submitted 12/2001		TWA-12/31/01	TWA obtained.
024/030	Wheeler	In City Street- No property Needs	Mechanical Design 100% Design submitted 12/2001		TWA-12/31/01	TWA obtained.

**CITY OF NEWARK CSO SOLIDS/FLOATABLES CONTROL MEASURES PLAN**  
**DESIGN PHASING PLAN STATUS AND LAND REQUIREMENTS SUMMARY**

<b>CSO Number</b>	<b>Name</b>	<b>Property Ownership</b>	<b>Completion as of July 2002</b>	<b>Actions Taken</b>	<b>Mandated compliance date</b>	<b>Explanation for non-compliance</b>
025	Peddie	No new construction			TWA-12/31/01	No TWA Required
026	Queen	In City Street and on private property- must acquire property or easement from Hartz	Mechanical Design 100% Design submitted 12/2001		TWA-12/31/01	No TWA Required
027/029	Waverly	Private- Must get easement from Anheuser-Busch or Port	Mechanical Design 100% Design submitted 12/2001		TWA-12/31/01	TWA obtained.
028	Haynes	NA	Letter sent to NJDEP 12/2001 indicating that the City does not own the sewer, NJDOT does		TWA-12/31/01	NJDOT Outfall; No TWA required