





James E. McGreevey  
Governor

State of New Jersey  
Department of Environmental Protection  
Division of Water Quality  
P.O. Box 029 Trenton, NJ 08625-0029  
Phone: (609) 633-7021; 292-0407  
Fax: (609) 984-2147

Bradley M. Campbell  
Commissioner

NJG0135968

08/29/2003

RAHWAY CITY  
1 CITY HALL PLZ  
RAHWAY, NJ 07066

Re: Final Ground Water Master General Permit Renewal  
NJPDES Discharge to Ground Water Permit No. NJ0108642  
NJPDES MASTER GENERAL PERMIT PROGRAM INTEREST  
Trenton City, Mercer County  
Effective Date: 9/1/03

Dear Permittee:

Enclosed is a final New Jersey Pollutant Discharge Elimination System (NJPDES) permit action identified above which has been issued in accordance with N.J.A.C. 7:14A.

Consolidation of the 4 monitoring programs into 2 monitoring programs and changing the monitoring program frequency from semi-annual to annual. Most facilities will have a decrease in monitoring, except for those who are currently in monitoring program 3. Those currently in monitoring program 3 will be required to sample annually for the trihalomethane compounds because more data is needed to properly assess the impact of these compounds on ground water quality.

A summary of the significant and relevant comments received on the draft action during the public comment period, the Department's responses, and an explanation of any changes from the draft action have been included in the Response to Comments document attached hereto as per N.J.A.C. 7:14A-15.16.

Any requests for an adjudicatory hearing shall be submitted in writing by certified mail, or by other means which provide verification of the date of delivery to the Department, within 30 days of receipt of this Ground Water Master General Permit Renewal in accordance with N.J.A.C. 7:14A-17.2. You may also request a stay of any contested permit condition as per N.J.A.C. 7:14A-17.6 et seq. The adjudicatory hearing request must be accompanied by a completed Adjudicatory Hearing Request Form; the stay request must be accompanied by a completed Stay Request Form (forms enclosed).

As per N.J.A.C. 7:14A-4.2(e)3, any person planning to continue discharging after the expiration date of an existing NJPDES permit shall file an application for renewal at least 180 calendar days prior to the expiration of the existing permit.

Monitoring shall be conducted in accordance with 1) the Department's "Field Sampling Procedures Manual" applicable at the time of sampling (N.J.A.C. 7:14A-6.5(b)4), and 2) the method approved by the Department in Part III of the permit. The Field Sampling Procedures Manual is available through Maps and Publications Sales Office, Bureau of Revenue, PO Box 417, Trenton, New Jersey 08625, at (609) 777-1038.

Questions or comments regarding the final action should be addressed to June R. Gazek at (609) 633-7021.

Sincerely,

Barry Chalofsky, P.P., Chief  
Bureau of Nonpoint Pollution Control

BAB000008

Enclosures

finalcov.doc





State of New Jersey

Department of Environmental Protection

Division of Water Quality  
P.O. Box 029 Trenton, NJ 08625-0029  
Phone : (609) 633-7021  
Fax: (609) 984-2147

James E. McGreevey  
Governor

Bradley M. Campbell  
Commissioner

**CERTIFIED MAIL  
RETURN RECEIPT REQUESTED**

Date 11/26/2003

RAHWAY CITY  
1 CITY HALL PLAZA  
RAHWAY, NJ 07066

Re: I2 -Potable WTP Basins & Drying Beds (GP) Authorization  
NJPDES-DGW Authorization No.: NJG0135968  
RAHWAY WTP  
Rahway City, Union County

Dear Permittee:

Enclosed is your Renewal of an Authorization to Discharge under Ground Water General Permit No. NJG0135968 and a copy of the Master Potable WTP General Permit NJ0108642. Your facility was renewed and placed in "Monitoring Program 2 for lined basins", which has annual monitoring and reporting requirements. Your SQAR reporting schedule for your facility is also on an annual basis. A copy of this Authorization form along with other records should be located at the regulated facility at all times and be available for inspection by any authorized representative of the Department. If you have designated an agent, you must notify them about this General Permit Authorization and its requirements.

All monitoring shall be conducted in accordance with the Department's "Field Sampling Procedures Manual" applicable at the time of sampling (N.J.A.C. 7:14A-6.5(a) 4), and any methods approved by the Department referenced in Part III of the permit. The Field Sampling Procedures Manual is available through Maps and Publications Sales Office; Bureau of Revenue, P.O. Box 417, Trenton, New Jersey 08625, at (609) 777-1038.

The Department appreciates your efforts toward providing cleaner water for New Jersey and looks forward to working together with you in the future. Questions or comments regarding this action should be addressed to June Gazek at (609) 633-7021.

Sincerely,

**BAB000009**

*[Signature]* FOR BRC  
Barry Chalofsky, P.P., Chief  
Bureau of Nonpoint Pollution Control

Enclosures  
c: Permit Distribution List





New Jersey Department of Environmental Protection  
Bureau of Nonpoint Pollution Control  
Division of Water Quality  
P.O. Box 029  
Trenton, NJ 08625-0029  
(609) 633-7021

**AUTHORIZATION TO DISCHARGE**  
**12 -Potable WTP Basins & Drying Beds (GP)**

**Facility Name:**  
RAHWAY WTP

**PI ID#:** 50518

**Facility Address:**  
1045 WESTFIELD AVE  
RAHWAY, NJ 07065

**NJPDES #:** NJG0135968

**SIC Code:** 4941

**Type of Activity:** Ground Water General Permit Authorization-Renewal

**Owner:**  
RAHWAY CITY  
1 CITY HALL PLAZA  
RAHWAY, NJ 07066

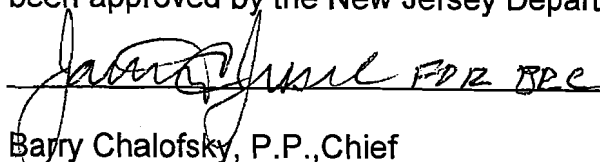
**Operating Entity:**  
RAHWAY CITY  
1 CITY HALL PLAZA  
RAHWAY, NJ 07066

**Issuance Date:**  
11/26/2003

**Effective Date:**  
09/01/2003

**Expiration Date:**  
08/31/2008

Your Request for Authorization under NJPDES General Permit No. **NJ0108642** has been approved by the New Jersey Department of Environmental Protection.

  
Barry Chalofsky, P.P., Chief

**Date:** 11/26/2003

Bureau of Nonpoint Pollution Control  
Division of Water Quality  
New Jersey Department of Environmental Protection





State of New Jersey

DONALD T. DiFRANCESCO  
Acting Governor

Department of Environmental Protection  
Bureau of Nonpoint Pollution Control  
Division of Water Quality  
PO Box 029  
Trenton, NJ 08625-0029  
Tel. (609) 292-0407; Fax (609) 984-2147

Robert C. Shinn, Jr.  
Commissioner

March 8, 2001

Paul Kozakiewicz  
City of Rahway Water Dept.  
1 City Hall Plaza  
Rahway, NJ-07065

Re: Rahway City WTP, Rahway  
NJPDES # NJ0135968 PI ID# 50518

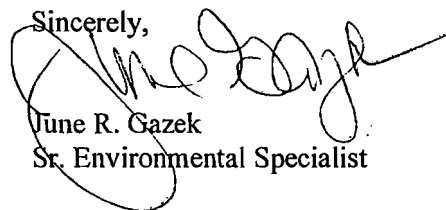
Dear Paul Kozakiewicz:

The Department is planning to renew the Potable Water Treatment Plant Permit (PWTP) in the near future. All facilities currently authorized through this permit are automatically eligible to renew their authorization which expires on September 30, 2001. As you are aware, the permit requires a renewal application be submitted by 180 days before the permit expires. The attached Statement of Intent form can be used if you wish to have the opportunity to apply for the renewed PWTP. Please send all completed forms to the Bureau of Nonpoint Pollution Control by April 15, 2001.

The attached Statement of Intent form will notify the Department that you may wish to apply for the PWTP in lieu of submitting a complete renewal application for an individual Discharge to Ground Water (DGW) permit or this general permit. Upon review of the renewed PWTP, this form will serve as your request to be authorized under this general permit, unless the facility decides to pursue an individual DGW permit. The option to apply for an individual DGW permit upon review of the finalized PWTP terms and conditions should be exercised within 60 days after the renewed permit becomes available. If you are certain that you do not want authorization under the PWTP general permit you must submit a renewal application to the Bureau of Permit Management by April 15, 2001.

All facilities will receive a copy of the draft and final versions of the PTWP as they are completed. A draft renewal is anticipated within the next few months. If you have any questions or concerns about renewal of the PWTP general permit, please contact me at (609) 292-0407.

Sincerely,



June R. Gazek  
Sr. Environmental Specialist

BAB000011

Encl.: Statement of Intent Form  
cc: Bill Boehle, Bureau of Permit of Management  
Bureau Chron File  
Enforcement



Bureau of Nonpoint Pollution Control  
Division of Water Quality  
P.O. Box 029  
Trenton, NJ 08625-0029  
Tel. (609) 292-0407 Fax (609) 984-2147

## Statement of Intent

*Please make any needed corrections on this form*

**NJPDES #:** NJ0135968 **PI ID** 50518  
**Facility Name:** Rahway City WTP  
**Facility Address:** 1045 Westfield Ave  
**Facility City:** Rahway  
**Mailing Address:** City of Rahway Water Dept.  
1 City Hall Plaza  
**Mailing City:** Rahway  
**Mailing State:** NJ **Mailing Zip:** 07065  
**Contact Person:** Paul Kozakiewicz **Phone #:** 732-288-0086

*Facility is currently authorized under monitoring program number* \_\_\_\_\_

*Has the facility made any changes since last application? If so, please explain* \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

☐ YES, I intend to review the Potable WTP General Permit (PWTP), when that renewed permit becomes available. After reviewing this general permit our facility will decide whether to have our permit automatically renewed under the PWTP or to submit an application for an individual permit.

We understand that we must still comply with the requirements of our existing permit, until we are issued an authorization under the renewed PWTP or under an individual Discharge to Ground Water permit.

☐ NO, I do not want the opportunity to apply for authorization under the PWTP. Our facility requests an individual Discharge to Ground Water permit application.

We understand that we must still comply with the requirements of our existing permit, until we are issued a new individual permit.

*Note: If your facility has lined basins, please attach a copy of the P.E. Certification form required to be sent 6 months prior to permit expiration. You do not need to public notice your intent to be authorized under this general permit renewal.*

\_\_\_\_\_  
*Type: Name, Title, and Date*

\_\_\_\_\_  
*Signature of Operator or Responsible party with authorization to sign*





## State of New Jersey

Christine Todd Whitman  
Governor

Department of Environmental Protection  
Division of Water Quality  
P.O. Box 029 Trenton, NJ 08625-0029  
Phone : (609) 292-0407  
Fax: (609) 984-2147

Robert C. Shinn, Jr.  
Commissioner

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

12/18/2000

PAUL KOZAKIEWICZ  
RAHWAY CITY  
1 CITY HALL PLAZA  
RAHWAY, NJ 07066

Re: I2 -POTABLE WTP BASINS & DRYING BEDS (GP)  
NJPDES NJG0135968  
RAHWAY WTP  
RAHWAY CITY, UNION COUNTY

Dear Paul Kozakiewicz:

Enclosed is the final New Jersey Pollutant Discharge Elimination System Discharge to Ground Water (NJPDES-DGW) Permit authorization to discharge pollutants to the ground waters of the State, issued in accordance with N.J.A.C. 7:14A .

Please note this facility is authorized under monitoring program 3 which does not require any discharge sampling provided that the basin liner is properly maintained. Be advised that the basin liner certification needs to be submitted in accordance to the schedule outlined in the permit. In addition, the permit requires within 180 days of authorization, a draft Operation, Maintenance and Emergency Operations manual be submitted to the Department for review and approval. Application for renewal of this permit must be submitted at least 180 days prior to expiration of this permit. If you have any questions regarding this permit, please contact June R. Gazek my staff at (609) 292-0407.

Sincerely,

Barry Chalofsky, P.P., Chief  
Bureau of Nonpoint Pollution Control

Enclosures  
c: Permit Distribution List

BAB000012



Bureau of Nonpoint Pollution Control  
Division of Water Quality  
PO Box 029  
Trenton, NJ 08625-0029  
(609) 292-0407

**AUTHORIZATION TO DISCHARGE  
I2 - POTABLE WTP BASINS & DRYING BEDS (GP)**

**Facility Name:**  
RAHWAY WTP

PI ID#50518

**Facility Address:**  
1045 WESTFIELD AVE  
RAHWAY, NJ 07065

**NJPDES #:** NJG0135968

**SIC Code:** 4941

**Type of Activity:** Ground Water General Permit Authorization-New

**Owner:**

RAHWAY CITY  
1 CITY HALL PLAZA  
RAHWAY, NJ 07065

**Operating Entity:**

RAHWAY CITY  
1 CITY HALL PLAZA  
RAHWAY, NJ 07065

**Issuance Date:**  
12/18/2000

**Effective Date:**  
1/01/2001

**Expiration Date:**  
09/30/2001

Your Request for Authorization under NJPDES General Permit No. **NJ0108642** has been approved by the New Jersey Department of Environmental Protection.



**Date:** 12/18/2000

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

## PART IV

### SPECIFIC REQUIREMENTS: NARRATIVE

#### Potable WTP Basins & Drying Beds (GP)

#### A. Monitoring Programs and Discharge Monitoring Point Selection Requirements

##### 1. Select Appropriate Monitoring Program

- a. All permittees are required to select an appropriate monitoring program from the list below. This includes those that have seasonal or intermittent use basins.
- b. Monitoring Program 1: When a facility has any unlined basins and where ground water wells provide the source water.
- c. Monitoring Program 2: When a facility has any unlined basins and where surface water is the source water.
- d. Monitoring Program 3: When a facility has only lined basins and where ground water wells provide the source water.
- e. Monitoring Program 4: When a facility has only lined basins and where surface water is the source water.

##### 2. Discharge Monitoring Point Selection Requirements

- a. The permittee shall determine the appropriate monitoring program to use based on the guidance in Part III A.1.a. (above), then shall select appropriate discharge monitoring point(s) as outlined below. All monitoring points shall be designated on the site plan to be submitted to the Department
- b. Facilities required to implement Monitoring Program 1: A single point shall be selected by the permittee from which to collect discharge monitoring samples that best represents the typical characteristics of the recently settled (within the last month) backwash residual.
- c. Facilities required to implement Monitoring Program 2: Two points shall be selected by the permittee. The first point should be the point that is best from which to collect a recently settled (within the last month) backwash residual sample. The second monitoring point (for the trihalomethane compounds) should be a point best suited from which to collect a sample during a backwash event.
- d. Facilities required to implement Monitoring Program 3: No discharge sample point selection is required provided that the basin liners are properly maintained and the basin(s) continues to qualify for Monitoring Program 3.
- e. Facilities required to implement Monitoring Program 4: A single sample point shall be selected by the permittee, from which to collect monitoring samples, such that a sample can be collected during a backwash event.



- f. The permittee is responsible for determining the appropriate monitoring program for their facility. If the facility changes the basin(s) time of use (either to/from continuous use to seasonal), the size or number of basins change, or if the facility installs, removes, or modifies basin liners, it is the responsibility of the permittee to select new appropriate discharge monitoring point(s) as needed, and to notify the Department in writing regarding facility changes in accordance with the notification requirements of this permit. This does not waive the requirement for the permittee to obtain additional Department approvals where necessary.

### 3. Sample Collection Requirements

- a. All sampling of backwash residual shall be performed according to the methodology specified in the Department's Field Sampling Procedures Manual, except where modified by Part III, Section B (Special Preparation Methods). Samples shall be collected in accordance with the relevant Tables in this permit, as specified for the pertinent monitoring program. If your facility is required to monitor for metals using the SpclGrab1 method, and there are multiple basins, collect a residual sample from each unlined basin and composite the samples prior to analysis in the Laboratory. This applies only to Spclgrab1 parameters list. Facilities which utilize intermittent basins for less than 4 months shall, instead of following the semi-annual sample collection schedule for any of the listed parameters of your monitoring program, perform one annual sample collection within 30 calendar days of initiating the intermittent operation of the basin in accordance with the selected monitoring program based on Part III, Section A.1.b..
- b. Facilities required to implement Monitoring Program 1: Permittee shall collect the required volume of backwash residual material at the designated sampling point(s) and analyze semi-annually for the specified metals in Table 1.
- c. Facilities required to implement Monitoring Program 2: Permittee shall collect the required volume of backwash residual material at the designated sampling point and analyze semi-annually for specified metals; and the permittee shall also collect a separate backwash water sample while a backwash event is occurring during the sampling period and analyze for Trihalomethane compounds. All required parameters are listed in Table 2
- d. Facilities required to implement Monitoring Program 3: No sampling is required.
- e. Facilities required to implement Monitoring Program 4: Permittee shall collect a backwash water sample during a backwash event in the sampling period, and analyze semi-annually for the Trihalomethane compounds in Table 4.
- f. If at any time during a discharge sampling period the permittee determines that samples or analytical results are not representative of the actual discharge, the permittee may collect and analyze more samples than required by this permit. However, the permittee is required to submit the results of all analyses to the Department. The permittee shall document and submit to the Department in writing the cause of non-representative samples. If more than one sample is taken, the average and the maximum values shall be reported on the DMR.

## B. Special Preparation Methods

### 1. Special Sample Collection Procedures for Spclgrab1

- a. In accordance with Part III Section A, Monitoring Programs 1 and 2 will require the collection of settled backwash residual. Choose a designated collection point from an unlined basin where a recently (within last month) settled backwash residual material can be collected. Collect at least 1 liter of residual and preserve with ice to 4 degrees Celsius. The monitoring point is where a recent representative residual sample can be collected.

**2. Special Sample Preparation and Analytical Procedures for Spelgrab1**

- a. The permittee shall arrange for all residual sample extractions and chemical analyses to be performed by a New Jersey Certified Laboratory. The preparation protocol listed in this section is a modification to a standard preparation procedure as listed in the E.P.A. Methods for Chemical Analysis of Water and Wastes<sup>1</sup> and in the Department's Field Sampling Procedures Manual.

**3. Special Laboratory Instructions for Spelgrab1**

- a. If the facility has multiple basins used to store backwash residual, the samples must be composited into a single 1 liter sample. Methods for compositing samples are described in the most current edition of the Department's Field Sampling Procedures Manual. If the facility has only one basin, follow only steps b through i.
- b. Place 1 liter residual sample in a wide mouth graduated cylinder.
- c. Measure out an aliquot 2 of 500 ml from the above residual sample.
- d. Place the representative aliquot of residual material into two different Buchner Funnel filtration apparatuses (minimum size 14 cm Buchner funnel), containing a mesh filter paper capable of excluding the > 2 um fraction (0.45 um membrane filter).
- e. Filter using suction or vacuum of 0.1 Atm (0.01 MPa) both samples. Laboratory may use either a Vacuum Dial Gauge or a non-mercury manometer capable of measuring accurately (+/- 5 %) the amount of vacuum.
- f. Continue vacuum filtration for 6 hours or until no more liquid is readily obtained. If at least 500 milliliters have been obtained before the six hours, the laboratory can stop the filtration. If necessary, the 1 liter sample can be divided into 4 aliquots of 250 milliliters and placed into 4 Buchner funnel apparatuses and filtered at the same time. The entire 1 liter sample is to be filtered.
- g. Measure and record the liquid volume of filtrate to the nearest milliliter and properly discard solid materials remaining in Buchner Funnel.
- h. Add the liquid volumes of each apparatus and combine liquid filtrate into a single graduated cylinder. Record the water volume as "Total Filtrate" to the nearest milliliter. Report the ratio of "Volume Filtrate" to "Total Volume" on the Discharge Monitoring Report (DMR). For example, if 800 ml of Filtrate is extracted from 1000 ml residual, then report 0.8. The minimum volume necessary to run the analyses is 100 ml.
- i. Follow standard preparation methods for the analysis of the liquid filtrate. After digestion, the liquid filtrate may be analyzed by either Flame Atomic Absorption Spectroscopy<sup>3</sup> or Inductively Coupled Plasma Atomic Emission Spectroscopy<sup>4</sup> for the following metals: Fe, Mn, Cr, Al, Cu, Cd, Ni and Zn; and for As by Graphite Furnace Atomic Absorption Spectroscopy<sup>5</sup>. Please be advised that for the purposes of data comparison, the Department prefers that the Certified Laboratory uses the same methodology (either AA methods or ICP) for the duration of this permit. The methodology used shall be capable of measuring the parameter to the higher of PQLs and Ground Water Quality Criteria<sup>7</sup> as described in the Ground Water Quality Standards (N.J.A.C. 7:9-6). Report all results to the Department on the DMR (or electronically) as required.

## C. Reporting Requirements

### 1. Conditions Associated with Discharge Monitoring in Part III, Tables 1, 2, 3 and 4

- a. After completion of the sample collection, and analytical requirements above, the permittee shall submit discharge monitoring data on preprinted Discharge Monitoring Report (DMR) forms provided by the Department. DMR forms shall be postmarked no later than the 25th day of the month following the completed monitoring period and received by the Department no later than the first day of the following month. The monitoring period begins the first day of the first sampling month through the last day of the last month. For example, a sample required to be taken Semi-Annually beginning in January shall be postmarked by July 25. Failure to submit sampling data on DMR forms shall be considered by the Department to be a violation of the permit sampling requirements and may place the permittee subject to civil and administrative penalties pursuant to N.J.S.A. 58:10A-10 et seq..
- b. All completed monitoring forms shall be submitted to:  
Division of Water Quality  
Bureau of Permit Management  
Monitoring Reports Unit  
CN-029  
Trenton, New Jersey 08625
- c. Note: The Department is developing an optional procedure that will allow for the electronic submission of filtrate monitoring data. The Department will notify permittees when this option becomes available. Permittees may then request, in writing, to submit monitoring data electronically in lieu of submitting the DMRs forms required above.

## D. Submission Requirements

### 1. Site Plan

- a. Within one hundred twenty (120) days of the permittee's authorization date and thereafter within 60 days of whenever site conditions change, a plot plan of the facility shall be submitted to the Department. The plot plan shall include:
  - i. Legal site boundaries surveyed by a New Jersey licensed land surveyor within the last twelve (12) months. If the permittee has a survey of the property which is older than one (1) year, the survey may be submitted to fulfill this requirement if the survey is signed and sealed by a New Jersey licensed land surveyor certifying that the survey reflects the current site boundaries as measured by the latest standards.
  - ii. The location of all basins. Each basin shall be identified as Basin #1, Basin #2, etc. The plot plan shall also indicate whether the basin is lined or unlined, the exact location of all required discharge monitoring points including a description of the sampling device if applicable, and whether there are any outfalls to or from other basins regulated by this permit and the locations where those outfalls discharge.
  - iii. To the extent practicable, the location of all site(s) involved in the storage of residuals and the ultimate disposal site(s) of all residual materials removed from any basin.

## 2. Additional Documents

- a. Within one hundred eighty (180) days after a permittee becomes authorized under this general permit, the permittee shall submit to the Department for review and approval, a Maintenance, Inspection, and Emergency Operations Manual. This manual will enable the permittee to establish or review their maintenance and inspection practices for site specific discharge activities, including processes of pollutant generation and conveyance to the discharge units. The purpose is to encourage the permittee to assess site operations, and outline site specific policies and procedures which can help maintain efficient operations and address possible emergency situations. The manual must identify the types of pollutants being discharged and shall address their potential impact on the public health and the environment in emergency situations. The manual will specify what steps will take place in the event of an emergency. The Maintenance, Inspection and Emergency Operations Manual (hereinafter referred to as the manual) shall include, at a minimum, the following provisions:
  - i. A list of pollutants generated and discharged to all regulated units.
  - ii. The submittal of Material Data Safety Sheets (MSDS) of all process related chemicals. In addition, a detailed evaluation of the types of chemicals used in the water treatment process. This evaluation will require the permittee to obtain detailed chemical analyses (either from the manufacturer or perform their own evaluation) to determine the relative concentration of impurities in the chemical(s) used in the process. For example, if a coagulant used has a high percentage of arsenic and the filtrate quality monitoring shows a discharge in excess of the Class II-A criteria for arsenic (or SQAR reports reveal a trend of high arsenic), then the facility should use a coagulant with a lower percentage of arsenic in order to meet the ground water quality criteria for that parameter or the facility will be required to obtain an individual permit. If coagulants are changed as a compliance or facility decision, this information needs to be submitted within 180 days of this change.
  - iii. A schedule of maintenance and inspections of all on-site process areas. These areas include the pollutant generation sources, conveyance, and discharge to the regulated unit(s).
  - iv. Schedule for periodic removal of residual and designation of ultimate management sites;
  - v. Review and incorporate the requirements established by the permit in Part IV for unit-specific maintenance and inspection.

- vi. Assessment of emergency situations that may affect the discharge activities. The permittee shall, as part of the emergency plan, perform a vulnerability analysis of the entire pollutant generating and conveyance mechanisms to the final discharge point(s). Assess the degree to which these systems can be affected by (but not limited to) the following situations: natural disasters (e.g., floods, severe rains), civil disorder, strike, sabotage, faulty maintenance, negligent operation or accident. The analysis shall address at least the following:
  - a. Power supply
  - b. Communication
  - c. Equipment
  - d. Supplies
  - e. Personnel
  - f. Security
  - g. Emergency procedures
- vii. Emergency procedures shall include correcting emergency situations and notification of licensed haulers, appropriate regulatory agencies, local health departments, appropriate municipal authorities and/or other agencies.
- viii. The location of any on-site temporary or permanent pollutant storage areas. This includes chemical storage areas and/or backwash residual storage areas. All pollutant storage areas must be properly constructed and/or maintained in conformance with all applicable State and Federal rules.
- ix. Provisions for managing the backwash water and residual until the regulated unit can be returned to operational status. The permittee may investigate agreements with a licensed company that will haul pollutants on an as-needed basis as well as a written agreement with a regulated facility which shall receive those materials.
- x. The emergency procedures shall address the ability of any Department-approved emergency reserve discharge basin(s) to accept and treat (if appropriate) the given volume of pollutants, and the ability to monitor for permit compliance.
- b. All records of maintenance and inspections must be kept on site at all times and be available for inspection upon request by the Department.
- c. The permittee must educate all appropriate personnel and licensed operators (as applicable) as to the contents and procedures of the Maintenance, Inspection and Emergency Operations Manual to insure proper implementation.
- d. The most up to date version of this manual must be kept on site at all times. In the event that the Department has not approved the facility's Maintenance, Inspection and Emergency Operations Manual, the latest submitted version must remain on site until approval is obtained.
- e. Failure to submit this manual or failure to make Department requested corrections or implement the conditions listed in the manual is considered to be a permit violation.
- f. After any emergency situation has been corrected, the permittee shall review the emergency procedures in place and submit (if necessary) an updated manual for Department review and approval.
- g. The Maintenance, Inspection and Emergency Operations Manual and any required information shall be submitted to the following address:  
NJDEP  
Division of Water Quality  
Bureau of Operational Ground Water Permits  
CN-029  
Trenton, New Jersey 08625

**3. Closure Notification Procedures**

- i. The permittee shall notify in writing the appropriate Regional Bureau of Water Compliance and Enforcement no less than 180 days prior to the expected closure of the regulated unit requesting current closure requirements. The permittee upon receipt of these requirements shall submit a proposed closure plan to the permit issuing bureau for review and approval.

**4. Exceedances of Ground Water Quality Criteria**

- a. If the results of testing for any of the parameter(s) in the tables indicates an exceedance of the Ground Water Quality Criteria (N.J.A.C. 7:9-6) at the facility's location (except Aluminum, Iron, Manganese), the permittee shall address these exceedances in accordance with the requirements of this permit.
- b. If the Department has reason to believe a basin and/or materials stored therein may create a discharge to ground waters of the State that contravenes the criteria established in the Ground Water Quality Standards (N.J.A.C. 7:9-6), corrective actions shall be required by the Department. Such measures may include further monitoring of the soil and ground water, installation or repair of liners, alteration or closure of the existing basin(s).
- c. The permittee shall, upon notification from the Division of Water Quality, submit a compliance plan to comply with the Ground Water Quality Standards (N.J.A.C. 7:9-6). The plan shall include, at a minimum, at least one of the following options:
  - i. Additional pretreatment of the filter backwash or Installation of liners in all basins on-site; or
  - ii. use of alternative coagulant compounds to improve the quality of the discharge; or
  - iii. Cessation of the discharge or alternate management and disposal plans.
- d. Implementation of a listed above will require the submittal of a Treatment Works Approval application (options b and c may require additional Department approvals, depending upon the option). Implementation of any Department approved plan to remedy violations of ground water quality standards shall be required within three (3) months of the approved compliance plan, unless an alternate time frame is approved by the Department.

**E. Conditions Applicable to Operation and Maintenance of all WTP Backwash Basins****1. Operation and Maintenance**

- a. The permittee shall perform a physical inspection of all visible portions of all basin(s) on at least a weekly basis and after storms (at least a 2 year, 24 hour storm event at a station closest to your facility) to:
  - i. Ensure that the liner material (if applicable), banks and dikes have remained structurally sound;
  - ii. Detect evidence of any deterioration, malfunctions or improper operation of the over-topping control system;
  - iii. Detect sudden drops in the level of the basin contents;
  - iv. For lined basins, detect the presence of liquids in the leak detection system, if applicable; and

- v. Detect erosion or other signs of deterioration in banks, dikes or other containment devices.
- vi. When malfunctions or failures are observed or suspected, the permittee shall comply with their approved Maintenance, Inspection and Emergency Operations Manual.
- b. All basin areas must be fenced to prevent unauthorized access or entry. Where the entire facility is fenced, the Department will make a determination as to whether this constitutes adequate security.
- c. The dikes, banks or berms of the basin(s) shall be free of vegetation where the root system could disrupt the earthen materials upon which the structural integrity of the berm or dike is dependent.
- d. No basin that has been removed from service due to structural collapse or overtopping may be restored to service unless that portion of the basin which failed was repaired. Contact the Bureau of Construction and Connection Permits to determine if the repair or alteration requires a Treatment Works Approval.
  - i. If any basin was removed from service due to actual or imminent bank or side wall failure, a New Jersey licensed Professional Engineer shall certify by signature and seal the structural integrity of the bank and side wall prior to the redirection of flow to the basin. Said certification shall be received by the Department prior to resuming discharges to the basin.
  - ii. If, in the judgment of the Department, the original basin system or portions thereof were insufficient or inadequate, the permittee shall propose a new upgraded basin(s). The new basin(s) shall be installed upon issuance of a TWA from the Bureau of Construction and Connection Permits. A new site plan shall be submitted along with any necessary revisions to the approved Maintenance, Inspection, and Emergency Operations Manual.
  - iii. If any basin was inactive for more than six months, the permittee shall obtain a certification from a New Jersey licensed Professional Engineer that it is structurally sound. The certification shall be signed and sealed by the New Jersey licensed Professional Engineer and shall certify that the banks, dikes, and foundation of the basin will withstand the physical and chemical stresses of resumed operation. If the basin is lined the certification shall also state that the lined basin will not discharge to ground water.
  - iv. If the inactivity is due to an intermittent or seasonal discharge, a certification will not always be necessary if the facility has been conducting inspections of the banks, berms, and liners, if present. These records shall be submitted in lieu of the certification required in 4c above.
- e. Any basin removed from service due to failure or being out of operation for an extended period may not become operational unless all necessary repairs or alterations have been completed to the satisfaction of the Department. The Department reserves the right to inspect the basin prior to, during and after repairs are made. If, in the judgment of the Department, the basin bottom, side walls, dikes or liner is insufficient or inadequate for the operations at the facility, The permittee shall upgrade or reconstruct the basin and/or install an upgraded or new liner subsequent to review and approval by the Department.
- f. Unpermitted overflow systems from any unlined or lined basins is not allowed.

## 2. Construction Requirements for New or Upgraded Basins

- a. All basins shall be constructed, maintained and operated to prevent overtopping and/or side wall failure. In addition, permittees with lined basins shall also be required to demonstrate the integrity of the liner material.

- b. A Treatment Works Approval (TWA) shall be required for new construction, expansion or installation of liners proposed to an existing basin.
- c. All interconnections between basins shall be constructed in a manner that will prevent degradation of the basin system. The use of splash aprons, rip-rap, etc., shall be employed in areas subject to influent flow. All flow shall be directed along the longest axis of the basin(s) whenever possible.
- d. All piping, manholes, outfalls, etc., must be installed prior to construction of the foundation, banks or dikes. For lined basins, the liner should be the last component installed.
- e. All new or upgraded basins shall be designed and constructed to provide a minimum freeboard of two feet.
- f. During construction and installation, soil based and admixed liners must be inspected for imperfections including lenses, cracks, channels, holes, thin spots, or other imperfections. After construction has been completed, a final inspection shall be conducted prior to integrity testing. In cases where imperfections are found, the permittee shall make corrections prior to initiating discharges to a lined basin.
- g. The foundation, banks and dikes must be inspected immediately after installation for any imperfections. The structural integrity of the basin shall be certified by the signature and seal of a New Jersey licensed Professional Engineer. When the basin is lined, the foundation, banks, and dikes shall be constructed to support and prevent failure of the liner. A copy of the certification shall be supplied to the permit issuing Bureau prior to any discharge of filter backwash water to the basin.

### **3. Conditions Applicable for the Operation and Maintenance of Unlined Basins**

- a. Unlined basins can be re-contoured to provide minor (less than 10%) additional storage capacity, correct minor side wall and berm defects, alter side wall slope or similar changes or corrections after notifying the permit issuing bureau in writing of the proposed changes. Notification shall include the submittal of plans for the proposed change and an estimated time for completion. Written approval from the Department is not required for minor changes.

### **4. Conditions Applicable for the Operation and Maintenance of Lined Basins**

- a. If leak detection systems are employed, the permittee shall collect and remove pumpable liquids in the sumps of the leachate collection system to minimize the head on the bottom liner.
- b. A protective cover shall be maintained on earthen dikes to prevent erosion and to maintain their structural integrity.
- c. A licensed New Jersey Professional Engineer must certify that all lined basins authorized under this general permit have a continuous layer of natural or man-made material on the bottom and sides which restricts the downward and lateral transmittal of pollutants and is designed to hold an accumulation of liquid and solid wastes. This certification must be based on a complete inspection and testing either witnessed or performed by the Professional Engineer. This certification is required to be submitted to the Department within 6 months of the date of authorization for this general permit. Please be advised that the renewal application for this general permit will require re-certification performed within one year prior to permit expiration. This certification must be included in the permit renewal application. If the liner material is repaired, altered or replaced during the life of this permit, a new or amended certification must be submitted.





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STATE OF NEW JERSEY  
DEPT. ENVIRONMENTAL PROTECTION  
WASTEWATER FACILITY REG. PROG.  
BUREAU OF PERMIT MANAGEMENT

**City of Rahway**  
Union County, New Jersey

**Water Treatment Plant**  
General NJPDES/DGW Permit Application  
(Category I2)

November 1999

BAB000014

**New Jersey Department of Environmental Protection  
Division of Water Quality  
Bureau of Nonpoint Pollution Control**

**APPLICATION CHECKLIST TO REQUEST AUTHORIZATION UNDER THE  
GENERAL NJPDES-DGW POTABLE WATER TREATMENT PLANT PERMIT  
CATEGORY 12  
NJ0108642**

This checklist specifies the information required to request authorization under the General NJPDES-DGW Potable Water Treatment Plant Permit. Be sure to read all instructions and to answer all questions when filling out the application forms. If an item is not applicable, enter "N/A" or a similar response. Questions concerning the General NJPDES/DGW permit should be directed to June Gazek, Bureau of Nonpoint Pollution Control at (609) 292-0407.

☒ **FORM NJPDES-1**

Complete all items. Instructions are provided on the form.

Note in Item 8. State the condition of the discharge (new, existing permitted, existing unpermitted). If this is an existing permitted facility, please list the existing permit number.

☒ **USGS TOPOGRAPHIC MAP** *for existing unpermitted or proposed facilities only*

A USGS Topographic Map or a copy of the applicable portion. (7.5 minute quadrangle series on which an outline of the site is drawn and serves as a focal point for a circle to represent those areas that extend 1 mile beyond the property boundary of the facility).

☒ **FACILITY SITE PLAN**

Including all on-site basins and outdoor storage areas. Please label all proposed monitoring points for sampling as required by the permit.

☒ **LINE DRAWING**

Include a line drawing of the water flow through the facility showing all treatment units inside and outside the water treatment plant. This water balance must show approximate average flows at the intake and discharge points and in between treatment units. The line drawing should also include solids/residuals flows and any chemical additives used in the plant's treatment process (# of gal/day).

☒ **TECHNICAL REPORT (WERP-002 form)** *For existing unpermitted or proposed facilities only*

Instructions are provided on the form. Complete all items to best of your knowledge. Additional information may be requested of proposed facilities during the technical review of the application.

Other technical information (*Note for both existing NJPDES permittees and unpermitted facilities*): If your water treatment facility treats water from a surface water source (e.g., lake, stream, reservoir) and uses chlorine as a disinfectant, you must perform and submit the results of at least one representative sample of the filter backwash water during a backwash event (in the first basin) for the following compounds utilizing EPA Method 601:

- Chloroform
- Bromodichloromethane
- Dibromochloromethane
- Bromoform

**N/A SUPPLEMENTAL NJPDES FORM WOM-003**

For proposed facilities or existing facilities which are expanding: Instructions are provided on the form. Complete all information for Consent A-1 (Consent by the Governing Body) and Consent A-2 (Consent by Sewerage Authority). If the written statements of consent are not received from the appropriate Governing Body or Sewerage Authority pursuant to N.J.A.C. 7:14 A-2.1 (k), a copy of the dated certified mail return receipt and a copy of the applicant's consent request letter must be submitted to the Department in substitution. The dated certified mail receipts shall not be submitted to the Department less than 60 days after their date of mailing to the Governing Body or the Sewerage Authority.

Existing permitted facilities: Not needed if the facility already has an existing final NJPDES-DGW permit and no modifications or expansions have been proposed.

**A ☐ CONSISTENCY DETERMINATION For proposed or expanding facilities only**

Pursuant to N.J.A.C. 7:15 3.1, the Department shall not grant permits for new or significantly modified surface or ground water discharges before a favorable consistency determination review under N.J.A.C. 7:15-3.2 of the State Water Quality Management Plan has been completed. Based upon a formal consistency determination review, a letter from the Office of Land and Water Planning indicating that the proposed facility has been determined "consistent" with the applicable Water Quality Management Plan is sufficient for completion of this item. Please contact the Office of Land and Water Planning at (609) 633-1179 if you have any questions concerning consistency determination reviews under the State Water Quality Management Plan.

**X ADMINISTRATIVE CERTIFICATION FORM**

The permittee must select a monitoring program based on the individual facility type as outlined in Part III A.1.a. of the permit.

The signature must be completed in accordance with N.J.A.C. 7:14A-2.4. The permittee is required to publish an intent to request authorization under the General Permit pursuant to N.J.A.C. 7:14A-3.9(b) 2.iii. *The following public notice shall be used as for existing NJPDES-DGW permitted facilities with current permit categories I and/or J:*

"Notice is hereby given that, pursuant to N.J.A.C. 7:14A-3.9(b)2, (name of existing permittee) has submitted a request for authorization under the General NJPDES-DGW Potable Water Treatment Plant Permit No. NJ0108642 to the New Jersey Department of Environmental Protection. This authorization will allow (name and address of facility) to discharge filter backwash/clarifier water to the ground waters of the State." Upon issuance of the authorization to discharge under this General NJPDES-DGW permit No. NJ0108642 by the Department, the current NJPDES-DGW permit No. (facility's current NJPDES-DGW permit number) for categories I and/or J will be automatically terminated without further public notice.

*The following public notice shall be used for proposed or existing unpermitted facilities:*

"Notice is hereby given that, pursuant to N.J.A.C. 7:14A-3.9(b)2, (name of applicant) has submitted a request for authorization under the General NJPDES-DGW Potable Water Treatment Plant Permit No. NJ0108642 to the New Jersey Department of Environmental Protection. This authorization will allow (name and address of facility) to discharge filter backwash/clarifier water to the ground waters of the State."

**SUBMIT ONE ORIGINAL AND ONE COPY OF THE COMPLETED APPLICATION TO REQUEST AUTHORIZATION UNDER THE GENERAL NJPDES-DGW WATER TREATMENT PLANT PERMIT TO:**

New Jersey Department of Environmental Protection  
Bureau of Permit Management  
CN-029

Trenton, New Jersey 08625-0029  
Attn: Administrative Review Unit

STATE OF NEW JERSEY  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
Division of Water Quality

N301359168

**NEW JERSEY POLLUTANT DISCHARGE ELIMINATION SYSTEM  
PERMIT APPLICATION**

*Refer to Instructions on Page 6 and the Appropriate Completeness Checklist and Provide All Applicable Information. Please Print or Type. (Attach additional sheets if necessary)*

**1. APPLICANT(S)/OPERATING ENTITY(IES)**

Name City of Rahway  
Mailing Address 1 City Hall Plaza  
City or Town Rahway State NJ Zip Code 07065  
Federal Tax I.D.# 226002231 Telephone (732) 388-0086  
Fax (732) 499-4781 E-Mail N/A  
Parent Corporation & Place of Incorporation N/A

**2. PROPERTY/LAND OWNER(S)**

Name City of Rahway  
Mailing Address 1 City Hall Plaza  
City or Town Rahway State NJ Zip Code 07065  
Federal Tax I.D.# \_\_\_\_\_ Telephone (732) 388-0086

**3. LOCATION OF FACILITY/SITE**

Name of Facility/Site Rahway Water Treatment Plant  
Street Address/Location 1045 Westfield Avenue  
City or Town Rahway State NJ Zip Code 07065  
Municipality Rahway County Union EPA I.D. # \_\_\_\_\_

**4. FACILITY CONTACT (Person familiar with the Facility/Site and this Application)**

Name Paul A. Kozakiewicz Telephone (732) 388-0086  
Affiliation Rahway Water Treatment Plant - United Water, Superintendent  
Mailing Address 1045 Westfield Avenue  
City or Town Rahway State NJ Zip Code 07065  
Fax (732) 499-4781 E-Mail N/A

**5. PROJECT and DISCHARGE DESCRIPTION (Under This Application)**

This application is limited to a general NJPDES/DGW potable water treatment plant permit for the discharge of coagulation sludge into a lined surface impoundment.

**6. REQUESTED NJPDES PERMIT ACTION AND OTHER NJPDES PERMITS**

Under Table A, for each requested permit action under this application, list each discharge activity associated with this facility/site in the left column using the discharge activity category codes provided below (i.e., A, A8, CSO, etc.) and check the requested permit action (new, renewal, etc.). Under Table B, list currently held permits and/or pending applications for this facility/site. For existing permits, list permit number(s) and expiration date.

**TABLE A: REQUESTED PERMIT ACTION UNDER THIS APPLICATION**

DISCHARGE ACTIVITY (CATEGORY) CODES	PERMIT NUMBER	EXPIR. DATE	NEW	RENEW.	MOD.	REVOC.	REVOC. & REISSUE
I2			X				

**TABLE B: OTHER NJPDES PERMITS ASSOCIATED WITH THIS FACILITY**

DISCHARGE ACTIVITY (CATEGORY) CODES	PERMIT NO.	EXP. DATE	PENDING
Expired NJPDES/DSW	NJ0025585		

**Discharge Activity Categories (for completing the left columns in tables A and B above )**

<b>Discharge to Surface Water (DSW)</b> <ul style="list-style-type: none"> <li>• A Domestic Surface Water Discharge</li> <li>• A8 Discharge to Regional Outfall Auth</li> <li>• CSO Combined Sewer Overflow</li> <li>• B Indus/Commercial/Thermal DSW</li> <li>• B4B GP GW Petro Prod. Cleanup</li> <li>• B5 GP Potable Water Treatment Plant</li> <li>• CG GP Non-Contact Cooling Water</li> </ul>	<ul style="list-style-type: none"> <li>• I1 GP Stormwater Basins/SLF</li> <li>• I2 GP Potable WTP Basins/Drying Beds</li> <li>• K1 GP Autodealers Carwash</li> </ul>	<ul style="list-style-type: none"> <li>• Z Residuals Transfer Facilities</li> <li>• 04 Residuals - Reed Beds</li> </ul>
<b>Discharge to Ground Water (DGW)</b> <ul style="list-style-type: none"> <li>• GW Discharge to Ground Water</li> <li>• T1 GP Sanitary Subsurface Disposal</li> </ul>	<b>Residuals and SIU Discharges</b> <ul style="list-style-type: none"> <li>• L Discharge to POTW (SIU)</li> <li>• D Land App. of Biosolids - Class B</li> <li>• V Land App. of Biosolids - Class A</li> <li>• E Land App. of Industrial Residuals</li> <li>• EG Land App. Food Process. Residual GP</li> </ul>	<b>Stormwater Discharges</b> <ul style="list-style-type: none"> <li>• RF Stormwater</li> </ul>
		<b>Use the following for Table B only</b> <ul style="list-style-type: none"> <li>• CPM GP Concrete Products Mgt.</li> <li>• SM GP Scrap Metal Proc/Auto Recycling</li> <li>• 5G2 GP Stormwater Basic</li> <li>• 5G3 GP Const. Activity Stormwater</li> </ul>

**OTHER PERMITS**

If any of the following applications have been submitted for this facility/site, complete the applicable information.

Permit Type	Application No. (if assigned)	Application Status		
		Approved Date	Denied Date	Pending✓
• Treatment Works Approval (Municipal - Industrial)				
• Exemption From Sewer Ban				
• Water Quality Management Plan Amendment				
• Potable Water Supply Well				
• Hazardous Waste Management Program				
• Prevention of Significant Deterioration (PSD)				
• Nonattainment Program, Clean Air Act				
• National Emission Standards - Hazardous Pollutants				
• Ocean Dumping Permits (Marine Protection Act)				
• Dredge/Fill Permits - Federal Act Section 404				
• Relevant Environmental Permits - Including Federal, State, & Local Approvals - Specify:				
NJDEP Lab Certification ID	# 20088	X		
NJDEP Water Allocation Permit	# 5339	X		
NJDEP PWS ID	# 2013001	X		
NJDEP F, G & W Water Lowering Permit	# 2658	X		

**8. STANDARD INDUSTRIAL CLASSIFICATION CODE(S)**

SIC Code #	(✓) if assigned by NJ Dept. of Labor	Products or Service Provided by Facility/Site
4 9 4 1		Treatment and distribution of water for domestic,
		commercial and industrial use.

**9. WATER SUPPLY/DISCHARGE INFORMATION**RAW WATER SOURCES: Please check ☒ all that apply.

- ☐ Public Water Supply: Name of the water utility \_\_\_\_\_  
☐ Private Wells \_\_\_\_\_  
☒ Surface Water: Name of the surface waters Rahway River

A) Is this facility/site connected to a sanitary or combined sewer? Yes ☒ No ☐  
If yes, list name, address, and phone number of receiving wastewater treatment plant:

Rahway Valley Sewerage Authority

B) Does this facility discharge to a storm drainage system? Yes ☒ No ☐  
If yes, please check ☒ Public ☐ Private

C) Does this facility discharge to surface water? Yes ☐ No ☒

D) Does this facility discharge to ground water? Yes ☒ No ☐

**10. LICENSED OPERATOR(S) (IF APPLICABLE)**

Name Paul A. Kozakiewicz N.J. License No. T-4 # 0005799  
W-4 # 0005800  
Affiliation Superintendent, Rahway Treatment Plant - United Water  
Mailing Address 1 City Hall Plaza  
City or Town Rahway State NJ Zip Code 07065  
Telephone (732) 388-0086 Fax (732) 499-4781 E-Mail N/A

**11. APPLICANT'S AGENT (Optional)**

The person listed below is authorized to act as agent/representative in all matters pertaining to this application.

Name N/A Position \_\_\_\_\_  
Company \_\_\_\_\_  
Mailing Address \_\_\_\_\_ City \_\_\_\_\_  
State \_\_\_\_\_ Zip Code \_\_\_\_\_ Telephone ( ) \_\_\_\_\_  
Fax ( ) \_\_\_\_\_ E-Mail \_\_\_\_\_

Signature of Agent

Date

Signature for Applicant

Date



## 12. PROPERTY OWNER'S CERTIFICATION (FOR DGW PERMITS ONLY)

I hereby certify that City of Rahway (Property Owner's Name)

owns the property identified in (d.) below. The owner grants permission for the activity to be permitted under this application and authorizes the Department to conduct on-site inspections, if necessary.

In addition, I certify: (check "yes" or "no")

YES

NO

a. The activity will take place in an easement?

\_\_\_\_\_

X

b. Part of the entire project (e.g. pipeline, disposal area, wells, etc.) is or will be located within property owned by the State of New Jersey?

\_\_\_\_\_

X

c. Part of the entire project (e.g. pipeline, disposal area, wells, etc.) is or will be located within property owned by a municipality or county? (If "yes", contact the Green Acres Program at (609) 588-3461 for an applicability determination.)

X

\_\_\_\_\_

d. LOT 2

BLOCK 201

James Kennedy 12/13/99  
Signature for Owner Date

James J. Kennedy  
Print or Type: Name

Mayor - City of Rahway  
Print or Type: Position

Note: If "yes" to statements a, b, or c, the applicant must provide evidence of obtaining permission from the other property owners (include copy with this application)

## 13. CERTIFICATION BY APPLICANT

"I certify under penalty of law that this document and all attachments were prepared under my direction or 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. 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."

Paul A. Kozakiewicz 12/2/99  
Signature for Applicant Date

Paul A. Kozakiewicz  
Print or Type: Name

Superintendent  
Print or Type: Position

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION AND ENERGY  
NEW JERSEY POLLUTANT DISCHARGE ELIMINATION SYSTEM (NJPDES)  
WFRP-002 FORM

APPLICATION FOR PERMIT TO DISCHARGE INDUSTRIAL  
WASTEWATER TO GROUND WATER

City of Rahway Water Treatment Plant  
Name of Applicant

New Application  
NJPDES No.

Part I - Facility Information

1. Type of permit application (check all that apply)

- \* ☐ E2- In-Situ Soil Treatment
- ☐ F - Landfill - Industrial/Commercial
- ☐ G - Spray Irrigation - Industrial
- ☐ H - Overland Flow - Industrial
- ☐ I - Infiltration/Percolation Lagoon - Industrial
- ☐ J - Surface Impoundment - Industrial
- ☐ K - Underground Injection (UIC) - Industrial
- ☐ K1- Auto Dealers Car Wash
- ☐ O - Landfill - Municipal/Sanitary
- \* ☐ 08- Ex-Situ Soil Treatment
- ☒ Other (specify) I2-GP Potable WTP Basins

\* The WFRP-002B Form for non-hazardous soil treatment must be completed for categories E2 and 08. The WFRP-002B is supplemental to this form. Applicable portions of both forms must be completed.

2. Other NJDEPE programs involved at site (specify and list case numbers including registration numbers of underground storage tanks)

NJDEP Laboratory Certification #20088; NJDEP PWS ID # 2013001; NJDEP Water Allocation permit #5339; NJDEP Fish Game & Wildlife Water Lowering Permit # 2658.

3. Describe the nature of operations at the site.

Site operations are limited to treatment and distribution of water for domestic, commercial, and industrial use.

4. Size of site in acres. If a category F or O, list the size of the landfilled area only: 6.85 Acres

5. Attach a photocopy of a U.S.G.S. topographic quadrangle map with the site location clearly marked. Refer to Map in Section 2

6. Is the facility located on a 25, 50, or 100 year floodplain?  
If yes, describe: A portion of the site immediately adjacent to the Rahway River is within the 100 year flood plan.

7. Are any changes anticipated in the use of adjacent lands?  
☐ Yes ☒ No. If yes, explain: \_\_\_\_\_

8. Will this be an all-season operation? ☒ Yes ☐ No If seasonal, provide operational dates: from \_\_\_\_\_ to \_\_\_\_\_

**Part II - Geology/Hydrogeology**

1. Geologic formation name(s) affected by the discharge:  
Passaic Formation

2. Water table information:

- a. Depth to water table and method of determination:  
Minimum +6 feet Maximum 15.5 feet  
Method test pits and monitoring wells
- b. Describe all perched or special water table conditions including seasonal water table fluctuations and confined/semiconfined conditions: groundwater in glacial sediments occurs as an unconfined or water table aquifer and most likely has a regional flow direction towards the Rahway River.

3. If available, attach the following information to the permit application and check the corresponding space(s):

- ☒ Boring logs for onsite monitoring/supply/potable wells  
☒ Well records for onsite monitoring/supply/potable wells  
☒ Well Certification Forms A and B (if their completion was previously required)  
☐ Casing elevation, latitude and longitude of wells if Well Certification Forms A and B are unavailable  
☒ Detailed site plan with locations of all on-site monitoring/supply/potable wells and soil borings  
☒ Results of Slug Tests, Pump Tests, or other hydraulic conductivity tests

If there are on-site wells for which the information requested above is unavailable please provide all relevant information:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

4. Unconsolidated Sediment Characterization

- a. Describe the type and texture of the unconsolidated sediments including fill material and weathered bedrock if present:

The unconsolidated sediments detected on-site include sandy or gravely fill material surrounding utilities while native soils include sandy silt, silty sand, and well graded sands with gravel.

- b. Indicate the following: overburden, fill material, and/or weathered bedrock thicknesses in feet and describe how it was determined. Provide maximum and minimum thickness for each throughout the site:

Geologic mapping of the area indicates that the overburden material is less than 50 feet thick. Fill material ranges in thickness between 7 feet and 16 feet

5. Consolidated Formation Characterization

Describe the bedrock underlying the site (if applicable)

The Passaic formation bedrock consists of reddish-brown purple and grayish red silt stone and shale which was deposited in fluvial and lacustrine environments. The Passaic Formation has a maximum thickness of 11,810 feet.

- a. Indicate shallowest depth to bedrock: Mapping indicates <50 feet
- b. Location of site in relation to local bedrock structure (i.e. faults, outcrops, anticlines, synclines, etc.)  
There are no outcrops of the Passaic Formation at the site.
- 
- c. Attitude of: (use additional sheets as necessary)
- |                 | Strike* | Dip* | Formation* |
|-----------------|---------|------|------------|
| N/A (1) Bedding |         |      |            |
| (2) Jointing    |         |      |            |
| (3) Cleavage    |         |      |            |
| (4) Faults      |         |      |            |
- \* Index and key each to a corresponding number on a geologic map
- d. Are joints open? Yes ( ) No ( ) What is the respective spacing of these joints? N/A
- 
- e. Briefly characterize fractures, joints, etc., and discuss their control of the movement or infiltration of water or ground water: N/A - Groundwater movement and water infiltration influenced by the unconsolidated sediments.
- 

### Part III - Site Characterization

- Indicate surrounding land use and zoning within 1/4 mile of the facility:  
Surrounding land use is primarily medium density single family homes, neighborhood business and open space.
- List each soil unit in the application area as mapped by the USDA Soil Conservation Service:  
BUB - Booton, Urban Land, Haledon Complex; Gentle Sloping  
AW - Aguenta, Frequently flooded
- Attach the following information:
  - (X) map(s) showing the proposed area of wastewater application - (See site plan included with this application)
  - (X) schematic diagram detailing the system for the application of wastewater (See schematic included with this application)
- Describe how the wastewater will be discharged. Describe the measures taken to ensure that the discharge will be uniform across the treatment area.  
Sedimentation basin sludge and filter backwash is stored in a lined holding pond and is periodically removed off site for disposal. The rubber liner is constructed of EPDM and is impermeable.

5. Indicate if there are soil horizons that may not be permeable enough for the rate of wastewater application and describe how the problem will be overcome.  
Coagulation basin sludge is temporarily stored in a holding pond which is lined with an EPDM rubber impermeable liner. The intent of the lined pond is to store liquid sludge until it is taken off site for disposal.
6. Describe how ground water is to be monitored throughout the operation of the land application/subsurface disposal system.  
As stated above the detention pond was designed as a temporary storage facility equipped with an impermeable membrane liner. No groundwater monitoring is planned.
7. For all discharges of effluent to ground water, describe the origin, volume, treatment (prior to discharge), distribution system, and period of discharge of the effluent. List all discharges.  


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#### Part IV - Sensitive Receptors

1. Prepare a detailed site map drawn to scale including:
  - \* -- all areas of environmental concern
  - \*\* -- manmade conduits for preferential ground water flow
  - locations of monitoring wells, soil borings, discharge points, water supply wells, and potable supply wells
  - surface water bodies and approximate wetland limits

See Attached  
Figures 2,3,7,8

\* Examples of areas of environmental concern include the following active and/or abandoned areas: landfills, waste disposal areas, underground storage tank systems, floor drains, septic systems/fields, and dry wells. Depth of installation must also be included for underground structures.

\*\* Examples of man-made conduits include sanitary sewer lines, storm sewer lines, and underground utility lines. Depth of installation must also be included for underground structures.

2. Attach a list all of potable, supply, and monitoring wells within a 1/2 mile radius of the site. Mark the following sources if they were used in obtaining this information:  
 (X) NJDEPE Computerized Well Search (X) NJDEPE File Search  
 ( ) Neighborhood Canvassing ( ) Local Health Dept. ( ) Other (specify) \_\_\_\_\_

See Attached  
List

3. Show the locations of surface water bodies and wetlands within 1/4 mile of the site on a USGS topographic map.

See attached surface water/wetlands map

#### Part V - Sites with Existing Ground Water Monitoring Systems Seeking Renewal of their NJPDES/DGW permit.

N/A

1. Summarize the previous investigations at the site.  


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2. Attach the following information to the the permit application and mark the corresponding space if applicable.

- ( ) Summary sheet of exceedences of ground water standards including all inorganics, volatile organics, base neutral extractables, and acid extractables exceeding detection limits or the detection of free phase product
- ( ) Most recent sampling results from discharge and/or ground water monitoring wells

N/A

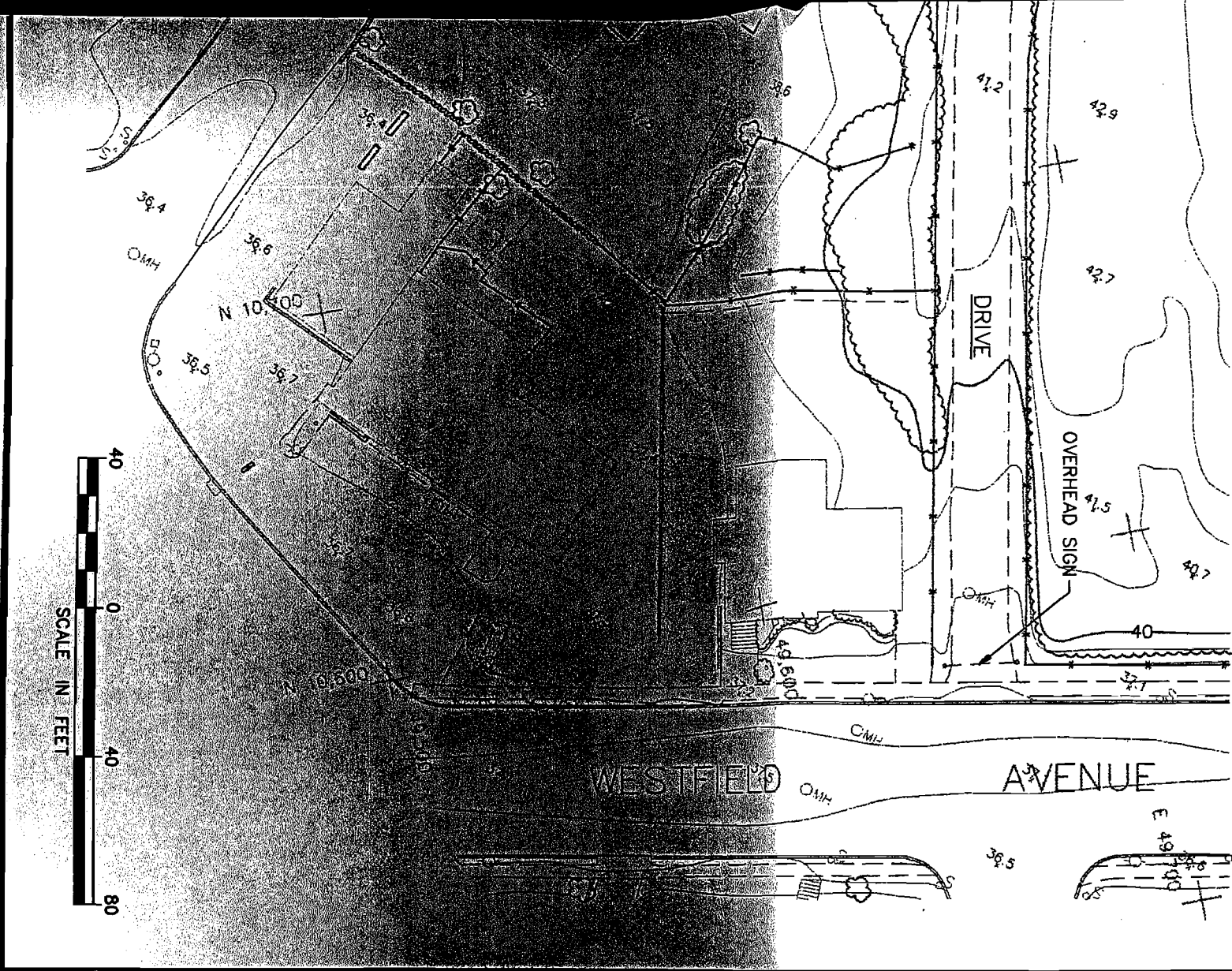
If the facility is a proposed landfill, compliance with N.J.A.C. 7:14A-6.16 and 10.12 is required. Consultation with the Department is required to ensure a properly completed application.

N.J.A.C. 7:14A-6.1 et seq. describes the requirements for NJPDES/DGW ground water monitoring systems. Additional requirements are also discussed in N.J.A.C. 7:14A-10.1 et seq. If the facility to be permitted does not have an existing ground water monitoring system, an interim NJPDES/DGW permit may be issued as per N.J.A.C. 7:14A-2.1(d).



Killam Associates

Contract No. 93-1

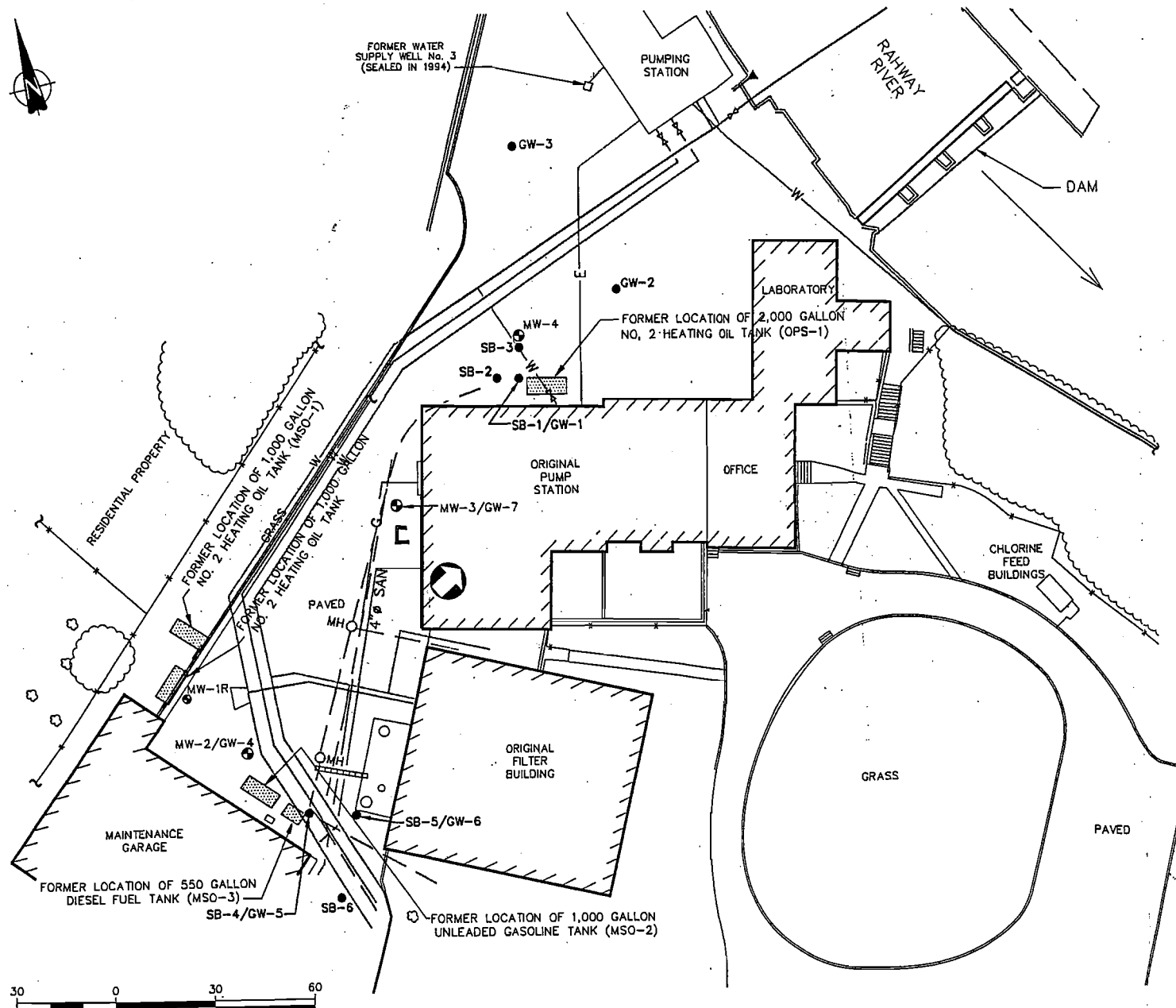


CITY OF RAHWAY  
UNION COUNTY, NEW JERSEY  
WATER TREATMENT PLANT  
NJPDDES PERMIT APPLICATION

Job		No.	
146821		S-1	
B/O	1	Tot	1

**Killar**  
Associates a Consulting Eng

27 Blacker Street  
Millburn, New Jersey 07041  
TIERRA-A-016787



# LEGEND

- CATCH BASIN
- GROUNDWATER MONITORING WELL
- GW-3 SOIL BORING/GROUNDWATER SAMPLE
- STAFF GAUGE

FIGURE 2  
City of Rahway  
Water Treatment Plant  
Rahway, New Jersey  
SITE PLAN

Killam





CITY OF RAHWAY, NEW JERSEY  
WATER DEPARTMENT

BUSINESS OFFICE  
City Hall  
1470 Campbell Street

JAMES J. KINNEALLY  
Secretary  
Division of Water Accounts

HERMAN A. KLENNER  
Superintendent & General Engineer  
Bureau of Water



RECEIVED

NOV 15 1967

OFFICE OF THE  
BUSINESS ADMINISTRATOR  
CITY OF RAHWAY

November 15, 1967

State of New Jersey  
Department of Health  
John Fitch Way  
Trenton, New Jersey

Atten: Ernest Segesser

Dear Mr. Segesser:

It came to my attention through Game Warden Otto Flamm, that raw sewage is being discharged into the Rahway River from No. 1788-1800 St. George Avenue, Rahway.

Since this location is below the intake of the Rahway Water Department it does not have a direct affect on our water supply. It is however, a source of annoyance due to its stench and appearance, to the residents of that area. It is also a grave cause of concern to the Fish and Game Department as you can well understand.

Your cooperation in alleviating this situation will be greatly appreciated by all concerned.

Very truly yours,  
CITY OF RAHWAY WATER DEPARTMENT

*Herman A. Klenner*

Herman A. Klenner, P.E.  
Superintendent & General Engineer

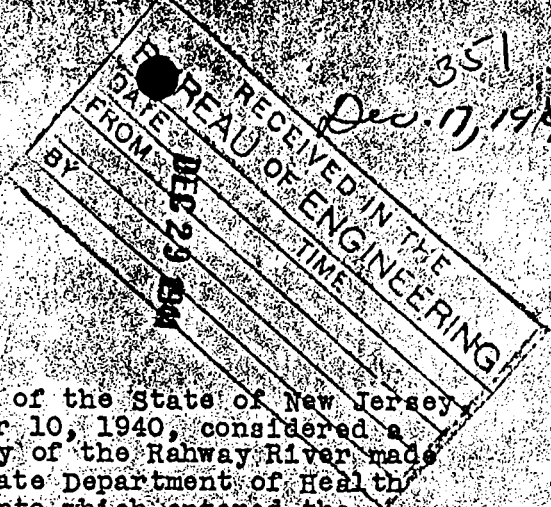
BAC000003

HAK/mp

cc: Water Policy & Supply Council  
Sidney H. Stone, Business Admin., City of Rahway



NOTICE



WHEREAS, The Department of Health of the State of New Jersey at a meeting held on December 10, 1940, considered a report upon a sanitary survey of the Rahway River made by representatives of the State Department of Health during the summer of 1940, into which entered the discharge of untreated domestic sewage and other harmful and deleterious matter from the Barnet Street sewage flow regulator when run-off from storms did not exist; and, after full consideration, it was on motion voted that the Department move for the abatement of the discharge of untreated sewage and other harmful and deleterious matter from the Barnet Street sewage flow regulator during periods when said regulator is not caused to be operated by flows resulting from the storm water run-off; and,

WHEREAS, The Department of Health of the State of New Jersey has found and determined through inspections made by its representatives under dates of February 10, March 25, September 11, and November 21, 1941, that sewage and other harmful and deleterious matter is being by-passed through the Barnet Street sewer outfall at times when there is no surface run-off; and,

WHEREAS, The Department of Health of the State of New Jersey under dates of April 14, May 23, September 18, and December 1, 1941, advised the officials and engineer of the City of Rahway as to the discharge of polluting material from the Barnet Street outfall into the waters of the Rahway River at times when there was no surface run-off; and,

WHEREAS, The Department of Health of the State of New Jersey has never granted permission to the City of Rahway to discharge dry weather flow through the Barnet Street outfall into the waters of the Rahway River; and,

WHEREAS, R. S. 58:12-3 is as follows:

BAC000005

"...Except under such conditions as shall be approved by the department, no person, corporation or municipality shall build any sewer, drain or sewerage system from which it is designed that any sewage or other harmful and deleterious matter, solid or liquid, shall flow into any of the waters of this state, or build, cause to be built or operate any plant for the treatment of sewage or other polluting substance from which the effluent is to flow into any of such waters, or, after the date specified in the notice provided for by section 58:12-2 of this title, permit any sewage or other polluting matter to flow into such waters from any sewer, drain or sewerage system under its control..."; and,

WHEREAS, The Department of Health of the State of New Jersey is of the opinion that the discharge of sewage and other harmful and deleterious matter into the waters of the Rahway River through the Barnet Street outfall at times of dry weather flow injures or threatens injury to the inhabitants of this State, to wit, the inhabitants residing in and adjacent to the City of Rahway, in the County of Union and State of New Jersey, in their health, comfort or property; and,

WHEREAS, R. S. 58:12-2 is, in part, as follows:

"If the department finds that any of said waters are being polluted in such manner as to cause or threaten injury to any of the inhabitants of this state, either in their health, comfort or property, or that any sewage treatment works are inadequate in capacity or unit design to properly care for, treat and dispose of sewage before an effluent from such works is discharged into any of said waters, it shall notify in writing any person, corporation or municipality found to be polluting said waters or owning, operating or controlling, separately or jointly, any such inadequate sewage treatment works, that prior to a time to be fixed by the department, which time shall not be later than five years from the date of the notice, the person, corporation or municipality polluting said waters must cease such polluting and make such disposition of its sewage and other polluting matter as shall be approved by the department, and such person, corporation or municipality owning, operating or controlling inadequate sewage treatment works as aforesaid must alter, add to or improve such works in order that the sewage being received therein shall be cared for, treated and disposed of, and the effluent discharged into said waters in a manner approved by the department."; therefore,

NOTICE IS HEREWITH GIVEN, By the Department of Health of the State of New Jersey, at a meeting held on the 17th day of December, A. D. one thousand nine hundred and forty-one, in conformity with the preamble and resolution adopted by the said Department, to the City of Rahway, in the County of Union and State of New Jersey, requiring that the said City of Rahway must and shall, on or before the sixth day of March, A. D. one thousand nine hundred and forty-two, cease the discharge of sewage or other harmful and deleterious matter, solid or liquid, through the Barnet Street sewage flow regulator at times when there is no surface run-off.

DEPARTMENT OF HEALTH OF THE STATE OF NEW JERSEY

E. W. Smilie  
President

ATTEST

Thyrell M. Shultz  
Director of Health

DATED: DECEMBER 17, 1941  
6-6.



STATE  
Department of Health of the State of New Jersey

Certification  
Resolving Improving Application of

City of Rahway

for permission to construct partial sewer system

in the City of Rahway, New Jersey

Date of ~~XXXXXX~~ September 11, 19 47

~~XXXXXX~~ having ~~XXXXXX~~ State  
WHEREAS, an application (\*) has been duly made to the Department of Health of the State of New Jersey, pursuant to the applicable provisions of Title 58 of the Revised Statutes of New Jersey for the approval of conditions under which

City of Rahway  
(City, Boro, Town, Twp., or Name of Individual or Corp.) (Name of Municipality or Applicant's Address)

proposes to construct partial sewer system in the City of Rahway, New Jersey, as shown on blueprint, five in number, entitled: Sheets Nos. 1 and 2 - "Plans and Profiles of Proposed Sewers to be Constructed in Elm Avenue - Madison Avenue - Milton Boulevard - Midwood Drive - Elm Terrace and Certain Adjacent Streets and Rights-of-way", dated July 21, 1947; Sheets Nos. 3 and 4 - "Elm Ave.-Madison Ave.-Midwood Dr.-Milton Blvd, etc. Sewers", undated; Sheet No. 5 - "Sanitary Sewers and Storm Drains, Plan Showing Typical Sewer and Drain Details", dated July 1947; all prints received September 5, 1947; resolution dated July 24, 1947, received September 5, 1947, adopted by the Common Council of the City of Rahway; engineer's report, in letter form, dated September 3, 1947, received September 5, 1947; and according to specification on file and approved by the Department of Health of the State of New Jersey at a meeting held on February 10, 1942;

BAC000020

in the City of Rahway, New Jersey; disposal of sewage into existing sewer system, into the Rahway Valley Joint Meeting sewage treatment plant; to the effluent into the Rahway River;

and to operate the same; therefore,

Sheet 1 of 3 sheets

TIERRA-A-016795

This is to certify that the State  
 Department of Health of the State of New Jersey, at a meeting held on  
 11th day of September 1947, hereby approves  
 accompanying said application be and the same are hereby approved, and permission is hereby  
 given to ~~XXXXXX~~ and hereby grants ~~XXXXXX~~

City of  
 (City, Boro, Town, Twp., or Name of Individual or Corp.)

Rahway  
 (Name of Municipality)

to build said works in accordance with said plans and/or other engineering data, subject to the following conditions:

- I. That the permit is revocable, or subject to modification or change, at any time when in the judgment of the State Department of Health of the State of New Jersey such revocation, modification or change shall be necessary.
- II. That the issuance of this permit shall not be deemed to affect in any way action by the State Department of Health of the State of New Jersey on any future application that may be made for permission to discharge additional sewage or industrial wastes into the waters of the State.
- III. That the proposed partial sewer system shown by plans and/or other engineering data, which are this day approved subject to conditions herewith established, shall be fully constructed in complete conformity with such plans and/or other engineering data and the aforesaid conditions.
- IV. That, in the examination of plans and/or other engineering data, the Department of Health of the State of New Jersey does not examine into the structural features of the design, such as thickness of concrete, adequacy of reinforcing or the efficiency of any of the mechanical equipment or apparatus; and the approval herewith given does not include these features.
- V. That no physical connection (s) shall be installed or permitted to exist between any unit or pipe line of any public potable water system and any unit or pipe line into or through which sewage or sewage effluent (sewage or sewage effluent; industrial wastes or industrial wastes effluent) discharges or may discharge.
- VI. That the approval of plans and/or other engineering data for the above works shall remain in force for a period of only two years from the date of approval unless the said works are constructed or the contract awarded for the construction of such works.
- VII. That in the examination of plans and/or other engineering data, the State Department of Health of the State of New Jersey does not examine into features which may involve potential gas hazards, and the approval herewith given does not include these features.
- VIII. That the permit to construct the proposed partial sewer system herein approved does not exempt, or shall not be construed to exempt, the applicant from complying with Section 58:1-26 of the Revised Statutes, which provides that no structure within the natural and ordinary high watermark of any stream shall be made by any public authority or private person or corporation without notice to the State Water Policy Commission.
- IX. That this permit to construct the sewers of the proposed partial sewer system shown and described on the plans herein approved shall not in any manner affect the commands of the decree issued by the Court of Chancery on September 5, 1945.

STATE DEPARTMENT OF HEALTH OF THE STATE OF NEW JERSEY

J. Lynn Mahaffey, M. D.  
 Director and Acting Commissioner

Sheet 2 of 3 sheets

TIERRA-A-016796



This is to certify that the State  
 BE ~~XXXXXX~~ Department of Health of the State of New Jersey, at ~~on~~  
 this ~~XXXXXX~~ 11th day of September 1947, hereby grants ~~that~~ permission is given to ~~XXXXXX~~  
~~XXXXXX~~

City of

(City, Boro, Town, Twp., or Name of Individual or Corp.)

Rahway

(Name of Municipality)

to operate said works when the said works are constructed in accordance with the plans and/or other engineering data and aforesaid conditions, the said permission being subject to the following conditions:

- I. That the permit is revocable, or subject to modification or change, at any time when in the judgment of the ~~State~~ Department of Health of the State of New Jersey such revocation, modification or change shall be necessary.
  - II. That the issuance of this permit shall not be deemed to affect in any way action by the State Department of Health of the State of New Jersey on any future application that may be made for permission to discharge additional sewage or industrial wastes into the waters of the State.
  - III. That no physical connection (s) shall be installed or permitted to exist between any unit or pipe line of any public potable water system and any unit or pipe line into or through which sewage or sewage effluent  
(sewage or sewage effluent; industrial wastes or industrial wastes effluent) discharges or may discharge.
  - IV. That, in the examination of plans and/or other engineering data, the Department of Health of the State of New Jersey does not examine into features which may involve potential gas hazards, and the approval herewith given does not include these features.
  - V. That no sewage or industrial wastes  
(sewage or industrial wastes) conveyed by the sewer lines to which this permit relates shall be by-passed.
  - VI. That the permit to operate the proposed partial sewer system  
 herein approved does not exempt, or shall not be construed to exempt, the applicant from complying with Section 58:1-26 of the Revised Statutes, which provides that no structure within the natural and ordinary high watermark of any stream shall be made by any public authority or private person or corporation without notice to the State Water Policy Commission, etc.
  - VII. That this permit to operate the sewers of the proposed partial sewer system shown and described on the plans herein approved shall not in any manner affect the commands of the decree issued by the Court of Chancery on September 5, 1945.
- (\*) - Application dated September 2, 1947, received September 5, 1947, signed by Charles S. Bush, City Engineer. (Authorization to sign application is contained in Resolution adopted by Common Council July 23, 1947.)

STATE DEPARTMENT OF HEALTH OF THE STATE OF NEW JERSEY

J. Lynn Mahaffey, M. D.  
 Director and Acting Commissioner



Eng-5  
37 357  
The following resolutions were adopted:

Whereas, Application(\*) has been duly made to the Department of Health of the State of New Jersey, as provided in Chapter 210, P. L. 1899; Chapter 72, P. L. 1900; Chapter 135, P. L. 1907; Chapter 297, P. L. 1908; Chapter 309, P. L. 1912; Chapter 288, P. L. 1915; Chapter 23, P. L. 1918; Chapter 87, P. L. 1921; Chapter 94, P. L. 1922; and Chapter 186, P. L. 1930, and the various amendments thereof and supplements thereto, for approval of the conditions under which the

City

Rahway

(City, Boro, Town, Twp. or Name of Individual or Corp.) (Name of Municipality or Applicant's Address)  
proposes to build a sewage pumping station (booster) and force main, and  
connections as shown on blue prints, ten (10) in number, entitled  
"City of Rahway, New Jersey, Comprehensive System of Sanitary  
Sewers & Storm Drains, Contract No. 2, Sewage Pumping Station and  
Flow Regulators" dated June, 1937; "Contract No. 2, General Plan"  
dated June, 1937; "Contract No. 2, Pumping Station, Substructure  
Details" dated June, 1937; "Contract No. 2, Pumping Station, Superstructure  
Details" dated June, 1937; "Contract No. 2, Storm Water Regulator at Cherry St. and Esterbrook Avenue" dated  
June, 1937; "Contract No. 2, Storm Water Regulator at Monroe St.  
near Dock and Main Sts." dated June, 1937; "Contract No. 2, Storm  
Water Regulator at Seminary Ave. between Oliver St. and Gordon  
Place, and at Grand Street near Newton Street" dated June, 1937;  
"Contract No. 2, Storm Water Regulator at Hazelwood Ave. near  
Main St." dated June, 1937; "Contract No. 2, Storm Water Regulator  
(At Barnatt St. and Milton Avenue) together with General Plan of  
Pump. Sta. Site" dated June, 1937;--these plans received under date  
of July 1, 1937; and in accordance with specifications entitled  
"Intercepting Sewer System, Information for Bidders, Contract and  
Specifications for Contract No. 2 for the Construction of Sewage  
Pumping Station and Automatic Sewage Regulators" dated July, 1937,  
received under date of July 1, 1937; and letter dated June 16,  
1937, signed by H. H. Klegerman;

BAC000040

in City of Rahway, New Jersey ; the sewage from the above lines to be discharged into  
(Name of Municipality)  
Rahway Valley Joint Trunk Sewer, into Rahway Valley Joint Sewage  
Disposal Works/Plant; effluent into Rahway River, a tributary to  
Staten Island Sound;

and to operate same; therefore,

Sheet 1 of 3 sheets

BE IT RESOLVED, That the plans and specifications accompanying said application be and the same are hereby approved, and permission is hereby given to the said

City

(City, Boro, Town, Twp. or Name of Individual or Corp.)

of

Rahway, New Jersey

(Name of Municipality)

to build said works in accordance with said plans and specifications, subject to the following conditions:

- I. That the permit is revocable at any time, or subject to modification or change, when in the judgment of the Department of Health of the State of New Jersey such revocation, modification or change shall be necessary.
- II. That the issuance of this permit shall not be deemed to affect in any way action by the Department of Health of the State of New Jersey on any future application that may be made for permission to discharge additional sewage or industrial wastes into the waters of the State.
- III. That the sewage pumping station, force main, storm and sanitary flow regulators and connections

(Sewers, Sewer Extensions, Etc.)

shown by plans and specifications, which are this day approved subject to conditions herewith established, shall be fully constructed in complete conformity with such plans and specifications and the aforesaid conditions.

- IV. That in the examination of plans and specifications, the Department of Health of the State of New Jersey does not examine into the structural features of the design, such as thickness of concrete, adequacy of reinforcing, or the efficiency of any of the mechanical equipment or apparatus. The approval of plans and specifications does not include the approval of any of these features.

- V. That no physical or cross connection shall be installed or permitted to exist between any unit or pipe line of any public potable water system and any unit or pipe line into or through which

sewage or sewage effluent

(Sewage or Sewage Effluent; or Industrial Wastes or Industrial Wastes Effluent)

discharges or may discharge.

- VI. That the approval of plans and specifications for the above works shall remain in force for a period of only two years from the date of approval unless the said works are constructed or the contract awarded for the construction of such works.

- VII. That no permanent or temporary connection be installed between approved water supply lines and any sewage handling unit or equipment.

- VIII. That no by-passes other than the six combined sewage regulators as shown on plans shall be installed.



BE IT FURTHER RESOLVED, That permission is given to operate the said works, when constructed, in accordance with the said plans, specifications and the aforesaid conditions, permission to operate being subject to the following conditions:

- I. That the permit is revocable at any time, or subject to modification or change, when in the judgment of the Department of Health of the State of New Jersey such revocation, modification or change shall be necessary.
- II. That the issuance of this permit shall not be deemed to affect in any way action by the Department of Health of the State of New Jersey on any future application that may be made for permission to discharge additional sewage or industrial wastes into the waters of the State.
- III. That no flow below 4.00 million gallons per day shall by-pass the pumping station.
- IV. That no flow below the allocated quantity of 13.36 million gallons per day shall by-pass the Joint Trunk Sewer owned and operated by the Rahway Valley Joint Meeting.
- V. That no sanitary sewage shall be by-passed.

\*Application as contained in resolution adopted by the Mayor and Council, City of Rahway, New Jersey, on August 12, 1936.

Engineer: Alexander Potter, 50 Church Street, New York, N. Y.

I hereby certify that the foregoing preamble and resolutions (contained on sheets 1, 2, and 3) were adopted by the Department of Health of the State of New Jersey at a meeting held on August 17, 1937.

J. Lynn Mahaffey, M. D.  
Director of Health.

DATED: August 23, 1937.



3/17/37

Whereas, Application(\*) has been duly made to the Department of Health of the State of New Jersey, as provided in Chapter 210, P. L. 1899; Chapter 72, P. L. 1900; Chapter 135, P. L. 1907; Chapter 297, P. L. 1908; Chapter 309, P. L. 1912; Chapter 283, P. L. 1915; Chapter 23, P. L. 1918; Chapter 87, P. L. 1921; Chapter 94, P. L. 1922; and Chapter 186, P. L. 1930, and the various amendments thereof and supplements thereto, for approval of the conditions under which the

City

(City, Boro, Town, Twp. or Name of Individual or Corp.)

Rahway, N. J.

(Name of Municipality or Applicant's Address)

proposes to build

210 ft. of 8" sewer extension and two manholes as shown on blue print plan entitled "City of Rahway, N. J. - Plan showing proposed 8" sewer to be constructed in W. Lincoln Avenue" dated Feb. 4, 1937

EAC000042

in City of Rahway, N. J. ; the sewage from the above lines to be discharged into  
(Name of Municipality)  
existing sewer system owned and operated by the City of Rahway, N. J.

and to operate same; therefore,

BE IT RESOLVED, That the plans and specifications accompanying said application be, and the same are hereby approved, and permission is hereby given to the said

City

(City, Boro, Town, Twp. or Name of Individual or Corp.)

Railway

of

(Name of Municipality)

to build said works in accordance with said plans and specifications, subject to the following conditions:

- I. That the permit is revocable at any time, or subject to modification or change, when in the judgment of the Department of Health of the State of New Jersey such revocation, modification or change shall be necessary.
- II. That the issuance of this permit shall not be deemed to affect in any way action by the Department of Health of the State of New Jersey on any future application that may be made for permission to discharge additional sewage or industrial wastes into the waters of the State.
- III. That the sewer extension  
(Sewers, Sewer Extensions, Etc.)  
shown by plans and specifications, which are this day approved subject to conditions herewith established, shall be fully constructed in complete conformity with such plans and specifications and the aforesaid conditions.
- IV. That in the examination of plans and specifications, the Department of Health of the State of New Jersey does not examine into the structural features of the design, such as thickness of concrete, adequacy of reinforcing, or the efficiency of any of the mechanical equipment or apparatus. The approval of plans and specifications does not include the approval of any of these features.
- V. That no physical or cross connection shall be installed or permitted to exist between any unit or pipe line of any public potable water system and any unit or pipe line into or through which sewage or sewage effluent  
(Sewage or Sewage Effluent; or Industrial Wastes or Industrial Wastes Effluent)  
discharges or may discharge.
- VI. That the approval of plans and specifications for the above works shall remain in force for a period of only two years from the date of approval unless the said works are constructed or the contract awarded for the construction of such works.
- VII. That such approval will not in any manner affect the force or terms of an order of the Department of Health of the State of New Jersey requiring the municipality to cease polluting the waters of this State.



BE IT FURTHER RESOLVED, That permission is given to operate the said works, when constructed, in accordance with the said plans, specifications and the aforesaid conditions, permission to operate being subject to the following conditions:

- I. That the permit is revocable at any time, or subject to modification or change, when in the judgment of the Department of Health of the State of New Jersey such revocation, modification or change shall be necessary.
- II. That the issuance of this permit shall not be deemed to affect in any way action by the Department of Health of the State of New Jersey on any future application that may be made for permission to discharge additional sewage or industrial wastes into the waters of the State.

I hereby certify that the foregoing preamble and resolutions (contained on sheets 1, 2 and 3) were adopted by the Department of Health of the State of New Jersey at a meeting held on March 9, 1937.

J. Lynn Mahaffey, M. D.,  
Director of Health.

Dated: March 17, 1937.

Application signed by: Fred A. Hedeman, City Engineer - dated Feb. 17, 1937 (Authorization to sign application contained in resolution adopted by Council adopted Feb. 10, 1937)

Engineer: F. A. Hedeman

Sheet 3 of 3 sheets



SEP 16 1936

Service of a notice of which the within  
is a copy is herewith admitted this 15<sup>th</sup>  
day of September, A. D. one thousand nine  
hundred and thirty-six.

James M. [unclear]  
Mayor of the City  
of Raleigh, N.C.

BAC000045

DEPARTMENT OF HEALTH  
STATE OF NEW JERSEY  
TRENTON

J. LYNN MAHAFFEY, M. D.  
DIRECTOR OF HEALTH  
CHARLES J. MERRELL,  
ASSISTANT DIRECTOR

551  
Sept 28/36

To the  
Mayor and Council,  
c/o City Clerk,  
Rahway, N. J.

Gentlemen:

At a meeting of the Department of Health of the State of New Jersey, held September 18, 1936, the following preamble and resolutions were adopted:

Whereas, application has been duly made to the Department of Health of the State of New Jersey, as provided in Chapter 210 of the Session Laws of 1899, as amended by Chapter 72 of the Session Laws of 1900 and Chapter 213 of the Session Laws of 1904, and supplemented by Chapter 135 of the Session Laws of 1907, and amended by Chapter 186 of the Session Laws of 1930, and in accordance with Chapter 297 of the Session Laws of 1908, as amended by Chapter 309 of the Session Laws of 1912, and in accordance with Chapter 288 of the Session Laws of 1915, as amended by Chapter 94 of the Session Laws of 1922, and so much of Chapter 87 of the Session Laws of 1921 as herewith applies, and in accordance with the requirements of the Rules and Regulations of the Department of Health of the State of New Jersey applying to the construction of sewage projects in this State, for approval of the conditions under which the

City

of

Rahway

proposes to build sewerage works consisting of

in Rahway,  
sewage to be discharged into Rahway Valley Joint Trunk Sewer; into pro-  
posed Rahway Valley Joint Sewage Treatment Plant; and to operate the same, therefore do it  
River, a tributary to Staten Island Sound;

RESOLVED, That the plans and specifications accompanying said application be and the same are hereby ap-  
proved, and permission is hereby given to the said City

of Rahway  
be it further

to build said works in accordance with said plans and specifications,

NOTICE

35-1  
Sept 15-186

No Required Receipt Card  
being furnished for this

WHEREAS, The Department of Health of the State of New Jersey, at a meeting held on October 7, 1930, adopted a preamble and resolution, which authorized the service of a notice upon the City of Rahway, in the County of Union and State of New Jersey, said notice requiring that the said City of Rahway must and shall, on or before the thirty-first day of December, A. D. one thousand nine hundred and thirty-one, cease the discharge of raw domestic sewage, trade wastes or other polluting material into the waters of the Rahway River and its tributaries, being waters of this State, from its municipally owned and operated sewer system, and must, in order to prevent such pollution in the manner aforesaid to the abovementioned waters, make such other disposition of its raw domestic sewage, trade wastes or other polluting matter as shall be approved by the Department of Health of the State of New Jersey in accordance with the requirements of the Rules and Regulations of the Department of Health of the State of New Jersey, which Rules and Regulations were revised and adopted by the said Department of Health on August 11, 1925, and supplemented and amended on April 3, 1934 and on November 12, 1935, so that all of the domestic raw sewage, trade wastes or other polluting matter received therein shall be at all times properly, adequately and sufficiently cared for and treated before any effluent therefrom is discharged into the waters of Rahway River and its tributaries, being waters of this State, on or before the abovementioned date, the thirty-first day of December, A. D. one thousand nine hundred and thirty-one; and,

WHEREAS, The aforesaid notice issued from the said Department of Health under date of October 7, 1930, and, the service of the said notice was acknowledged by the said City of Rahway; and,

WHEREAS, The Department of Health of the State of New Jersey has approved plans and specifications for the construction of a joint sewage treatment plant by the Rahway Valley Joint Meeting, and has granted permission to the said Rahway Valley Joint Meeting to build said works in accordance with said plans and specifications, and has granted permission to the said Rahway Valley Joint Meeting to operate said works subject to certain conditions; and,

WHEREAS, The aforesaid joint sewage treatment plant, to be constructed and operated by the Rahway Valley Joint Meeting, is designed to receive the domestic sewage and other polluting matter from nine municipalities, including the City of Rahway; and, further, the said City of Rahway has joined the said Rahway Valley Joint Meeting, in order to eliminate the foul pollution of the Rahway River and its tributaries; and,

WHEREAS, Plans and other engineering data have been received, from the said City of Rahway, for the construction of a system of intercepting sewers and appurtenant works, said system to discharge into the Rahway Valley Trunk Sewer and hence into the joint sewage treatment plant owned and operated by the Rahway Valley Joint Meeting, said system to include a pumping station, intercepting sewers, force main, sanitary sewer lines, and extensions of existing combined sewers, storm water regulating chambers and storm drains; said system is described on the following plans entitled: General Index and Legend - Sheet No. 2 of 108 sheets (dated August, 1933), Index to Plans and Profiles - Sheet No. 3 of 108 sheets (dated August, 1933),



Contour Map Index to Interceptors - Sheet No. 4 of 108 sheets (dated August, 1933), Plan and Profile of High Level Interceptor - Sheets Nos. 23, 24, 25 of 108 sheets (dated June, 1933), Plan and Profile of Low Level Interceptor - Sheets Nos. 27, 28 of 108 sheets (dated June, 1933), Plan and Profile of Interceptor in Mill St. - Sheet No. 29 of 108 sheets (dated June, 1933), Plan and Profile in Dock St. and 14" C. I. Force Main - Sheet No. 30 of 108 sheets (dated June, 1933), Plan and Profile of Interceptor in Cherry St. - Sheet No. 31 of 108 sheets (dated June, 1933), Pumping Station Sub-structure Details - Sheet No. 99 of 108 sheets (dated August, 1933), Pumping Station Superstructure Details - Sheet No. 100 of 108 sheets (dated August, 1933), Details of Grand St. Siphon - Sheet No. 101 of 108 sheets (dated August, 1933), Details of Monroe St. Siphon - Sheet No. 102 of 108 sheets (dated August, 1933), Typical Sewer and Drain Details - Sheet No. 103 of 108 sheets, Manhole Details - Sheet No. 104 of 108 sheets, General Arrangement of Proposed Regulating Chamber at Cherry Street (dated July, 1933), General Arrangement of Proposed Regulating Chamber at Monroe St. (dated July, 1933), General Arrangement of Proposed Regulating Chamber at Barnett St. (dated July, 1933), General Arrangement of Proposed Regulating Chamber at Hazelwood Avenue (dated July, 1933), General Arrangement of Proposed Regulating Chamber at Seminary Avenue (dated July, 1933), General Arrangement of Proposed Regulating Chamber at Grand Street (dated July, 1933); and, in:- Detailed Specifications and General Stipulation for City of Rahway - Sewage Pumping Station Superstructure Including Plumbing and Heating Fixtures - Together with Miscellaneous Appurtenances (dated 1935); Contract and Specifications for Construction of Sanitary Sewers and Storm Drains, Sewage Pumping Station Sub-structure, Mechanical Equipment, Sewage Pumps and Motors and Miscellaneous Appurtenances (undated but received in office of said State Department of Health, September 11, 1936); Memorandum to State Department of Health relative to plans and specifications for the Rahway Intercepting Sewerage System - P. W. A. Docket #1207 - D (undated but received in office of said State Department of Health, September 11, 1936); Description of Proposed Construction Rahway Intercepting Sewer System (undated but received in office of said State Department of Health, September 11, 1936); and, Schedule of Lateral Sewers and Direct Connections to Rahway Valley Trunk Sewer (undated but received in office of said State Department of Health, September 11, 1936); and,

WHEREAS, The Department of Health of the State of New Jersey, has found and determined, through inspections and examinations made by its representatives, that the aforesaid engineering data, for the construction of a system of intercepting sewers and appurtenant works to be municipally owned and operated by the said City of Rahway, is in accordance with the requirements of the Rules and Regulations for the Preparation and Submission of Designs for Sewer Systems and Sewage Treatment Works, as adopted by the said Department of Health on August 11, 1925, and supplemented and amended on April 3, 1934 and on November 12, 1935; and,

WHEREAS, The Department of Health of the State of New Jersey, has approved the aforesaid plans and specifications and engineer's report for the construction of a system of intercepting sewers and appurtenant works to be municipally owned and operated by the said City

of Rahway, and has granted permission to build said works in accordance with said plans and specifications, and further, has granted permission to operate the said works, subject to certain conditions, when constructed in accordance with said plans and specifications; and,

WHEREAS, The Department of Health of the State of New Jersey is in receipt of an opinion from the Attorney General of the State of New Jersey, said opinion being dated September 8, 1936, in which he advises, relative to the public health laws on sewerage systems and public water supplies and stream pollution and Chapter 241, P. L. of 1936, that:- the issuance of notices, by the said department, to cease pollution causing or threatening injury to the inhabitants of this State either in health, comfort or property, is sufficient evidence of a present menace to public health; the said department does not have to rescind established rules and regulations; the said department is to operate in the approval of plans the same as in the past; and, in conclusion "I" (the Attorney General) "would state that your department" (the State Department of Health) "will continue to make your inspections by your engineers, have proper analyses where necessary, and have your engineering force proceed as they have in the past. There is no necessity to change any method or procedure because all of your actions are approved by the act under which you operate, and have been acceptable to the courts in the past. I am, therefore, of the opinion that you should continue to operate in the future as you have heretofore"; and,

WHEREAS, The Department of Health of the State of New Jersey has found and determined that the construction of the aforesaid sewerage works, by the said City of Rahway, is necessary to protect the public health and to prevent or suppress a present menace to the public health of sufficient gravity to justify the incurrence of debt in excess of statutory limitations, and that no less expensive method of preventing or suppressing such menace exists; and,

WHEREAS, The Department of Health of the State of New Jersey is in receipt of a certified copy of a resolution passed, on August 12, 1936, by the Common Council, City of Rahway, to wit:- "Resolution By Councilman Feakes: Resolved that Alexander Potter, Consulting Engineer for the City of Rahway, be and he is hereby authorized and directed on behalf of the City of Rahway to comply in all respects with the requests of the Department of Health of the State of New Jersey as contained in their letter of August 3, 1936 addressed to William V. Herer, City Attorney and Levi Price, City Engineer"; and, further, the said department is in receipt of a letter, dated August 12, 1936 from Alexander Potter, Consulting Engineer, 50 Church Street, New York City, which letter, is in part as follows:- "Acting under the authority of this resolution, I hereby make application to the Department of Health for an order in the form as provided in sub-division "G" of paragraph 208, Chapter 241 of the Laws of 1936, in reference to exceptions to limitations of the right of the city to issue bonds in excess of debt limits"; therefore,

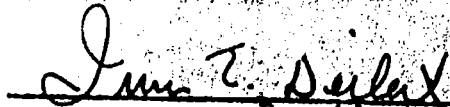
NOTICE IS HEREWITH GIVEN, By the Department of Health of the State of New Jersey, at a meeting held on the fifteenth day of September, A. D. one thousand nine hundred and thirty-six, to the City of Rahway, in the County of Union and State of New Jersey, requiring that the said City of Rahway must and shall immediately, construct sewerage works in accordance with the plans and specifications approved by the said Department of Health and to build said works in accordance with

said plans, specifications and engineer's report, to wit: General Index and Legend - Sheet No. 2 of 108 sheets (dated August, 1933), Index to Plans and Profiles - Sheet No. 3 of 108 sheets (dated August, 1933), Contour Map Index to Interceptors - Sheet No. 4 of 108 sheets (dated August, 1933), Plan and Profile of High Level Interceptor - Sheets Nos. 23, 24, 25 of 108 sheets (dated June, 1933), Plan and Profile of Low Level Interceptor - Sheets Nos. 27, 28 of 108 sheets (dated June, 1933), Plan and Profile of Interceptor in Mill St. - Sheet No. 29 of 108 sheets (dated June, 1933), Plan and Profile in Dock St. and 14" C. I. Force Main - Sheet No. 30 of 108 sheets (dated June, 1933), Plan and Profile of Interceptor in Cherry St. - Sheet No. 31 of 108 sheets (dated June, 1933), Pumping Station Substructure Details - Sheet No. 99 of 108 sheets (dated August, 1933), Pumping Station Superstructure Details - Sheet No. 100 of 108 sheets (dated August, 1933), Details of Grand St. Siphon - Sheet No. 101 of 108 sheets (dated August, 1933), Details of Monroe St. Siphon - Sheet No. 102 of 108 sheets (dated August, 1933), Typical Sewer and Drain Details - Sheet No. 103 of 108 sheets, Manhole Details - Sheet No. 104 of 108 sheets, General Arrangement of Proposed Regulating Chamber at Cherry Street (dated July, 1933), General Arrangement of Proposed Regulating Chamber at Monroe St. (dated July, 1933), General Arrangement of Proposed Regulating Chamber at Barnett St. (dated July, 1933), General Arrangement of Proposed Regulating Chamber at Hazelwood Avenue (dated July, 1933), General Arrangement of Proposed Regulating Chamber at Seminary Avenue (dated July, 1933), General Arrangement of Proposed Regulating Chamber at Grand Street (dated July, 1933); and, in: Detailed Specifications and General Stipulation for City of Rahway - Sewage Pumping Station Superstructure Including Plumbing and Heating Fixtures - Together with Miscellaneous Appurtenances (dated 1935); Contract and Specifications for Construction of Sanitary Sewers and Storm Drains, Sewage Pumping Station Sub-structure, Mechanical Equipment, Sewage Pumps and Motors and Miscellaneous Appurtenances (undated but received in office of said State Department of Health, September 11, 1936); Memorandum to State Department of Health relative to plans and specifications for the Rahway Intercepting Sewerage System - P. W. A. Docket #1207 - D (undated but received in office of said State Department of Health, September 11, 1936); Description of Proposed Construction Rahway Intercepting Sewer System (undated but received in office of said State Department of Health, September 11, 1936); and, Schedule of Lateral Sewers and Direct Connections to Rahway Valley Trunk Sewer (undated but received in office of said State Department of Health, September 11, 1936); inasmuch as, that the expenditure and every part thereof, for the construction of the said sewerage work in accordance with the aforesaid engineering material, is necessary to protect the public health and to prevent or suppress a present menace to the public health of sufficient gravity to justify the incurrence of debt in excess of statutory limitations, and that no less expensive method of preventing or suppressing such menace exists; and, further, that the said City of Rahway must and shall immediately after the satisfactory construction of said sewage works, operate the said sewage works in accordance with the conditions established by the Department of Health of the State of New Jersey and as provided in Chapter 210 of the Session Laws of 1899, as amended by Chapter 72 of the Session Laws of 1900 and Chapter 213 of the Session Laws of 1904,

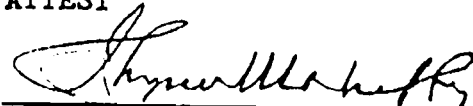


and supplemented by Chapter 135 of the Session Laws of 1907, and amended by Chapter 186 of the Session Laws of 1930, and in accordance with Chapter 297 of the Session Laws of 1908, as amended by Chapter 309 of the Session Laws of 1912, and in accordance with Chapter 288 of the Session Laws of 1915, as amended by Chapter 94 of the Session Laws of 1922, and so much of Chapter 87 of the Session Laws of 1921 as herewith applied, so that domestic sewage, trade wastes and other polluting matter, now discharged into the Rahway River and its tributaries, from the sewer system municipally owned and operated by the said City of Rahway, will be discharged into the Rahway Valley Trunk Sewer and hence into the joint sewage treatment plant owned and operated by the Rahway Valley Joint Meeting.

DEPARTMENT OF HEALTH OF THE STATE OF NEW JERSEY

  
President

ATTEST

  
Director of Health

DATED: SEPTEMBER 15, 1936.



490-

DEPARTMENT OF HEALTH  
STATE OF NEW JERSEY  
TRENTON

351

J. LYNN MAHAFFEY, M. D.,  
DIRECTOR OF HEALTH  
CHARLES J. MERRELL,  
ASSISTANT DIRECTOR

To the  
Mayor and Council,  
c/o Wm. J. Hennessy, City Clerk,  
Rahway, N. J.

Gentlemen:

At a meeting of the Department of Health of the State of New Jersey, held April 9, 1935,  
the following preamble and resolutions were adopted:

Whereas, application has been duly made to the Department of Health of the State of New Jersey, as provided in Chapter 210 of the Session Laws of 1899, as amended by Chapter 72 of the Session Laws of 1900 and Chapter 213 of the Session Laws of 1904, and supplemented by Chapter 135 of the Session Laws of 1907, and amended by Chapter 186 of the Session Laws of 1930, and in accordance with Chapter 297 of the Session Laws of 1908, as amended by Chapter 309 of the Session Laws of 1912, and in accordance with Chapter 288 of the Session Laws of 1915, as amended by Chapter 94 of the Session Laws of 1922, and so much of Chapter 87 of the Session Laws of 1921 as herewith applies, and in accordance with the requirements of the Rules and Regulations of the Department of Health of the State of New Jersey applying to the construction of sewage projects in this State, for approval of the conditions under which the

City of Rahway

proposes to build sewerage works consisting of alterations and additions to the existing sewer system consisting of the elimination of certain combined sewers; construction of certain sanitary and combined sewers; connection of certain lines to the Cranford trunk sewer and the Rahway Valley Joint Trunk Sewer; sewage pumping station; 6 storm water regulators; and 6 sanitary sewage and storm water interceptors; as shown on plans, 108 in number, entitled, "City of Rahway, N.J. Comprehensive System of Sanitary Sewers and Storm Drains" dated August, 1933; and according to engineer's report entitled, "Report to Hon. Alfred C. Brooks, Mayor, and Common Council, City of Rahway, N. J. Upon the Design of a Comprehensive System of Sanitary Sewers and Storm Drains" dated Sept. 1933;

BAC000048

Rahway,  
sewage to be discharged into Rahway Valley Joint Trunk Sewer; into proposed Rahway Valley Joint Sewage Treatment Plant; Effluent into Rahway River, a tributary to Staten Island Sound and to operate the same, therefore be it

RESOLVED, That the plans and specifications accompanying said application be and the same are hereby approved, and permission is hereby given to the said City of Rahway to build said works in accordance with said plans and specifications, be it further

RESOLVED, That permission is further given to operate the said plant when constructed in accordance with said plans and specification, subject to the aforementioned laws and further subject to the provisions of Chapter 23 of the Session Laws of 1918 and the Rules and Regulations of the Department of Health of the State of New Jersey applying under such law, the permission to operate being subject to the following conditions:

I. That the permit is revocable at any time or subject to modification or change when in the judgment of the Department of Health of the State of New Jersey such revocation, modification or change shall be necessary.

II. That the issuance of this permit shall not be deemed to affect in any way action by this Department on any future application that may be made for permission to discharge additional sewage or effluent into the waters of this State.

III. That both the sewer system and the sewage disposal works shown by plans approved this day shall be fully constructed in complete conformity with such plans or approved amendments thereof.

IV. That in the examination of plans and specifications, the Department of Health of the State of New Jersey does not examine into the structural features of the design, such as thickness of concrete, adequacy of reinforcing, or the efficiency of any of the mechanical equipment or apparatus. The approval of plans and specifications does not include the approval of any of these features.

V. That all physical connections between the fresh water supply lines entering the pumping station and any sewage unit installed in the pumping station for the purpose of handling sewage from the outside collecting system shall be entirely disconnected from said units when such fresh water lines are not in use.

VI. That inasmuch as no specifications of this project have been submitted, this project is considered as a comprehensive one; therefore, specifications for construction or reconstruction of lines and structures in any district or districts shall be submitted to and approved by the State Department of Health prior to the construction of such lines or structures.

VII. That the pumping station bypass shall be provided with means for sealing in a closed position.

VIII. That no bypass for strictly sanitary sewage shall be installed.

IX. That no bypasses other than the 8 regulator combined sewage bypasses as shown on the plans and the pumping station bypass shall be installed.

X. That no sanitary or combined sewage flow below 13.36 million gallons per day shall be bypassed.

XI. That detail plans and related data of the interceptor bypass regulators shall be submitted to and approved by the State Department of Health prior to installation.

The above data was submitted to comply with the requirements of a notice issued by the Department of Health of the State of New Jersey under date of Oct. 7, 1930, upon the City of Rahway, N. J., to cease to pollute the waters of the Rahway River and its tributaries.

April 15, 1935.

Date: .....

.....J. Lynn Mahaffey, H. D.  
Director.



DEPARTMENT OF HEALTH  
STATE OF NEW JERSEY  
TRENTON

J. LYNN MAHAFFEY, M. D.  
DIRECTOR OF HEALTH  
CHARLES J. MERRELL  
ASSISTANT DIRECTOR

Mr. Levi Price,  
City Engineer,  
Rahway, N. J.

Dear Sir:

At a meeting of the Department of Health of the State of New Jersey, held **September 11, 1934,**  
the following preamble and resolutions were adopted:

Whereas, application has been duly made to the Department of Health of the State of New Jersey, as provided in Chapter 210 of the Session Laws of 1899, as amended by Chapter 72 of the Session Laws of 1900 and Chapter 213 of the Session Laws of 1904, and supplemented by Chapter 135 of the Session Laws of 1907, and amended by Chapter 186 of the Session Laws of 1930, and in accordance with Chapter 297 of the Session Laws of 1908, as amended by Chapter 309 of the Session Laws of 1912, and in accordance with Chapter 288 of the Session Laws of 1915, as amended by Chapter 94 of the Session Laws of 1922, and so much of Chapter 87 of the Session Laws of 1921 as herewith applies, and in accordance with the requirements of the Rules and Regulations of the Department of Health of the State of New Jersey applying to the construction of sewage projects in this State, for approval of the conditions under which the

City of Rahway

proposes to build sewerage works consisting of

sewer extension in Scott Avenue from Lufberry Street to a point 250 ft. southeast, as shown on one plan entitled, "City of Rahway, Plan Showing Proposed Sanitary Sewer in Scott Avenue" dated Aug. 3, 1934; and according to specifications entitled, "Standard Specifications of the City of Rahway, N. J." dated 1930; and according to correspondence dated Aug. 24, 1934;

BAC000049

sewage to be discharged into existing sewer system; effluent into Rahway River, in Rahway,

and to operate the same, therefore be it

RESOLVED, That the plans and specifications accompanying said application be and the same are hereby approved, and permission is hereby given to the said City of Rahway to build said works in accordance with said plans and specifications, be it further

RESOLVED, That permission is further given to operate the said plant when constructed in accordance with said plans and specification, subject to the aforementioned laws and further subject to the provisions of Chapter 23 of the Session Laws of 1918 and the Rules and Regulations of the Department of Health of the State of New Jersey applying under such law, the permission to operate being subject to the following conditions:

I. That the permit is revocable at any time or subject to modification or change when in the judgment of the Department of Health of the State of New Jersey such revocation, modification or change shall be necessary.

II. That the issuance of this permit shall not be deemed to affect in any way action by this Department on any future application that may be made for permission to discharge additional sewage or effluent into the waters of this State.

III. That both the sewer system and the sewage disposal works shown by plans approved this day shall be fully constructed in complete conformity with such plans or approved amendments thereof.

IV. That in the examination of plans and specifications, the Department of Health of the State of New Jersey does not examine into the structural features of the design, such as thickness of concrete, adequacy of reinforcing, or the efficiency of any of the mechanical equipment or apparatus. The approval of plans and specifications does not include the approval of any of these features.

V. That such approval will not in any manner affect the force or terms of an order of the Department of Health of the State of New Jersey requiring the municipality of Rahway to cease polluting the waters of this State.

VI. That the approval of plans for a sewer extension shall only remain in force for a period of two years from the date of approval unless the extension is constructed or the contract awarded for the construction of such extension.

Date: September 13, 1934.

J. Lynn Mahaffey, M. D.

Director.

REPORT ON SEWER EXTENSIONS

351

Date:- September 11, 1934

Municipality: Rahway City

Plans for Sewer Extensions on: Scott Ave. from Lufberry St. to a point 250' southeast.

City  
Engineer: Levi Price, license #33.

Conference relative to:  
Engineer's letter: 1 - letter dated 8/24/34  
Department Letter: 1 - dated 8/29/34

Rules and Regulations complied with:

Disposal of Sewage into: Existing sewer system; effluent into Rahway River.

Application ~~dated~~ dated 9/4/34

Application Signed by: Levi Price - authorization to sign/in ordinance. contained  
Number of plans and specifications: 1 - sheet - plan and profile.

Specifications: 2 sets

Infiltration:

General Plan:

Profiles:

Manholes: 1

(Size: 8"

Grades: .4%

LINES { Joints: Cement or compound at the discretion of the engineer.

Capacities: As required.

Estimated Cost: \$800.00

Remarks:

The plans and data submitted are satisfactory, and it is, therefore, recommended that the plans be approved with the usual provisos, and the special provisos:

"That such approval will not in any manner affect the force or terms of an order of the Department of Health of the State of New Jersey requiring the municipality of Rahway to cease polluting the waters of this State."

Respectfully submitted,

E. M. App, Ass't. Sanitary Eng.



SEP 6 1934

STATE DEPT. OF HEALTH

## Department of Health of the State of New Jersey

D. C. FOWEN,  
*Charles J. Merrell*  
 Director of Health.

Charles J. Merrell,  
 Assistant Director.

APPLICATION FOR THE APPROVAL OF PLANS AND SPECIFICATIONS  
 FOR THE CONSTRUCTION OF SEWERAGE WORKS

SEPT. 4, 1934

To the Director of Health,  
 Trenton, New Jersey.

SIR:

In accordance with the provisions of Chapter 72 of the laws of 1900 and the various amendments thereto, application is hereby made by COMMON COUNCIL  
(Common Council, Commissioners, Board or Individual)  
 of the CITY of RAHWAY, in the County of  
(City, town or borough) (Name of municipality)  
UNION of the State of New Jersey, for the approval of plans and specifications prepared by LEVI PRICE, CITY ENGINEER for the construction of  
(Name of engineer)  
SEWER EXTENSION  
(Comprehensive sewerage system, partial sewer system, sewer extension)  
 covering PART of the streets of the above municipality, and for the construction of  
(Part or all)  
 sewage disposal works, consisting of \_\_\_\_\_  
(Settling tanks, contact beds, sprinkling filters, sand filters, etc.)  
 \_\_\_\_\_, to treat the sewage, consisting of \_\_\_\_\_  
(Domestic, combined, trade wastes)  
 from \_\_\_\_\_ sewers in the \_\_\_\_\_ of  
(Proposed or existing) (City, town or borough)

....., the effluent from the said works to be discharged into  
(Name of municipality)

..... at the point and in the manner indicated on the plans.  
(Name of stream)

The estimated cost for the work is \$ \$ 800.00

Accompanying this application are plans, specifications and a report by the designing engineer,  
as required by the Rules and Regulations adopted by the State Department of Health on August  
11, 1925.

The applicants agree, that the works will be properly constructed in accordance with the plans  
and specifications, and that no additions to, or alterations in the works will be made without the  
permission of the Department of Health of the State of New Jersey.

Additional remarks .....

Signed:

Authorization to sign application is contained

in an Ordinance to authorize  
construction, passed on 1st reading.

*Levi Price*

CITY ENGINEER.

RAHWAY, N. J.

(This application for approval must be signed by the proper legalized officials having jurisdiction over sewerage works, or by the  
individual for whom works are to be constructed.)

DEPARTMENT OF HEALTH OF THE  
STATE OF NEW JERSEY

... plans & specifications, to which the  
application, dated Sept. 4, 1934  
... were approved by the Department of  
Health of the State of New Jersey at a meeting  
... on Sept. 11, 1934  
... to the usual provisions and the special  
... contained in the permit to ...  
... issued to Mr. Lewis  
... date of Sept. 13, 1934



COPY  
OCT 4 1921  
351  
DEPARTMENT OF HEALTH  
STATE OF NEW JERSEY

JACOB C. PRICE, M. D.  
Director of Health  
R. B. FITZ-RANDOLPH  
Assistant Director

TRENTON

Mr. John Farrell,  
Commissioner of Streets & Public Improvements,  
Rahway, New Jersey.

Dear Sir:

At a meeting of the Department of Health of the State of New Jersey, held October  
4, 1921, the following preamble and resolution were adopted:

Whereas, application has been duly made to the Department of Health of the State of New Jersey, as provided in Chapter 210 of the Session Laws of 1899 as amended by Chapter 72 of the Session Laws of 1900, and by Chapter 313 of the Session Laws of 1904, and in accordance with Chapter 297 of the Session Laws of 1908 as amended by Chapter 309 of the Session Laws of 1912, and also in accordance with Chapter 288 of the Session Laws of 1915, for approval of the conditions under which the City of Rahway proposes to build sewerage works consisting of Sewer extensions in Pierpont Street and Central Avenue, in Rahway

the effluent to be discharged at the point shown upon the plans in ~~the Rahway River~~  
Robinson's Branch of the Rahway River and to operate the same, therefore be it

RESOLVED, That the plans and specifications accompanying said application be and the same are hereby approved, and permission is hereby given to the said City of Rahway to build said works in accordance with said plans and specifications, be it further

RESOLVED, That permission is further given to operate the said plant when constructed in accordance with said plans and specifications, the permission to operate being subject to the following conditions:

BAC000089

I. That the permit is revocable at any time or subject to modification or change when in the judgment of the Department of Health of the State of New Jersey such revocation, modification or change shall be necessary.

II. That the issuance of this permit shall not be deemed to affect in any way action by this Department on any future application that may be made for permission to discharge additional sewage or effluent into the waters of this State.

III. That both the sewer system and the sewage disposal works shown by plans approved this day shall be fully constructed in complete conformity with such plans or approved amendments thereof.

IV. That such approval shall not in any manner affect the force or terms of an order of this Department requiring the municipality of Rahway to cease polluting the waters of this State.

V. That in the examination of plans and specifications, the Department of Health of the State of New Jersey does not examine into the structural features of the design, such as thickness of concrete, adequacy of reinforcing, or the efficiency of any of the mechanical equipment or apparatus. The approval of plans and specifications does not include the approval of any of these features.

Date: October 5, 1921

\_\_\_\_\_  
Director.



DEPARTMENT OF HEALTH  
STATE OF NEW JERSEY

JACOB C. PRICE, M.D.  
Director of Health  
R. B. FITZ-RANDOLPH  
Assistant Director

TRENTON

COPY

To the Mayor of  
Fishery,

N. J.

Dear Sir:

At a meeting of the Department of Health of the State of New Jersey, held ~~Oct. 12,~~

~~1918~~, the following preamble and resolution were adopted:

Whereas, application has been duly made to the Department of Health of the State of New Jersey, as provided in Chapter 210 of the Session Laws of 1890 as amended by Chapter 72 of the Session Laws of 1900, and by Chapter 313 of the Session Laws of 1904, and in accordance with Chapter 297 of the Session Laws of 1908 as amended by Chapter 309 of the Session Laws of 1912, and also in accordance with Chapter 288 of the Session Laws of 1915, for approval of the conditions under which the City of Fishery proposes to build sewerage works consisting of an 8 inch sewer extension on E. Milton Ave. as shown on City Engineer's Plan, dated June, 1918, in Fishery

the effluent to be discharged at the point shown upon the plans in the municipality of Fishery River and to operate the same, therefore be it

RESOLVED, That the plans and specifications accompanying said application be and the same are hereby approved, and permission is hereby given to the said City of Fishery to build said works in accordance with said plans and specifications, be it further

RESOLVED, That permission is further given to operate the said plant when constructed in accordance with said plans and specifications, the permission to operate being subject to the following conditions:

BAC000100



I. That the permit is revocable at any time or subject to modification or change when in the judgment of the Department of Health of the State of New Jersey such revocation, modification or change shall be necessary.

II. That the issuance of this permit shall not be deemed to affect in any way action by this Department on any future application that may be made for permission to discharge additional sewage or effluent into the waters of this State.

III. That both the sewer system and the sewage disposal works shown by plans approved this day shall be fully constructed in complete conformity with such plans or approved amendments thereof.

IV. That such approval shall not in any manner affect the force or terms of an order by this Department requiring the municipality of Rahway to cease polluting the waters of this State.

Date: Oct. 24, 1918.

J. C. Price.

Director.





## State of New Jersey

James E. McGreevey  
Governor

Department of Environmental Protection

Bradley M. Campbell  
Commissioner

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)

March 22, 2004

Robert Gorman  
Rahway City  
1 City Hall Plaza  
Rahway, New Jersey 07065

Re: R9 -Tier A Municipal Stormwater General Permit  
NJPDES Permit Authorization No.: NJG0151131 / PI ID #: 46819  
Rahway, Union County

Dear Robert Gorman:

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 NJG0151131 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.

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.

**BAD000004**

If any information about your municipality in this letter or the enclosed Authorization (i.e., mailing address, Municipal Stormwater Program Coordinator, etc.) is incorrect or has changed, or changes in the future, please contact the Bureau of Nonpoint Pollution Control for an Administrative Update Form.

The Department appreciates your efforts toward accomplishing the goal of providing cleaner water for our State and looks forward to working together with you in the future. If you have any questions please contact Julie Zoleta at the Bureau of Nonpoint Pollution Control at (609) 633-7021, or (609) 292-0407.

Sincerely,

A handwritten signature in dark ink, appearing to read "Barry Chalofsky", with a stylized flourish at the end.

Barry Chalofsky, P.P., Chief  
Bureau of Nonpoint Pollution Control

Enclosures: (3)

Authorization to Discharge

NJPDES General Permit No. NJ0141852

Summary of technical corrections and changes

C: (w/AUTHORIZATION Form): Central Bureau of Water Compliance and Enforcement



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:**

**PI ID #:** 46819

RAHWAY CITY

**Facility Address:**

**NJPDES #:** NJG0151131

1 CITY HALL PLAZA  
RAHWAY, NJ 07065-0000

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

**Owner:**

RAHWAY CITY  
1 CITY HALL PLAZA  
RAHWAY, NJ 07065

**Operating Entity:**

RAHWAY CITY  
1 CITY HALL PLAZA  
RAHWAY, NJ 07065

**Issuance Date:**

03/22/2004

**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:** 03/22/2004

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

---



PIED  
50518

Christine Todd Whitman  
Governor

State of New Jersey  
Department of Environmental Protection

Robert C. Shinn, Jr.  
Commissioner

Division of Water Quality  
PO Box 029 Trenton, NJ 08625-0029  
Phone: (609) 984-4428  
FAX: (609) 777-0432

**NJPDES PERMIT APPLICATION  
NOTICE OF ADMINISTRATIVE COMPLETENESS**

December 21, 1999

Paul A. Kozakiewicz, Superintendent  
United Water Rahway  
1045 Westfield Avenue  
Rahway, NJ 07065

Re: New Permit Application - Cat. I2  
NJPDES #NJ0135968  
Rahway W.T.P.  
Rahway, NJ

**BAD000007**

Dear Mr. Kozakiewicz:

Your application has been reviewed for administrative completeness and found to be complete. Accordingly, it has been forwarded to the Bureau of Nonpoint Pollution Control for technical review. Any further inquiries concerning technical review of your application or the status of permit issuance should be directed to the Bureau of Nonpoint Pollution Control, which may be contacted by calling (609) 633-7021. When making phone inquiries, please refer to the NJPDES number and subject matter. Please note that during technical review, your reviewer may request further information.

In the event that the Department is unable to issue a new permit with an effective date on or before the expiration date of your current permit, pursuant to N.J.A.C. 7:14A-2.8(a) the conditions of an expired permit are continued in force until the effective date of a new permit provided a permittee submits a timely and complete permit application request for renewal.

Please be advised that checklists and forms are revised from time to time. Before making any future submissions please contact our website at [www.STATE.NJ.US/DEP/DWO/FORMS.HTM](http://www.STATE.NJ.US/DEP/DWO/FORMS.HTM) or contact the Administrative Review Unit, within the Bureau of Permit Management at (609) 984-4428, for updated checklists and forms.

Sincerely,

Peter Patterson, Section Chief  
Bureau of Permit Management

c: Killam Associates  
Bureau of Nonpoint Pollution Control  
Central Bureau of Water Compliance & Enforcement  
Central File-Administrative Records  
BPM File

PERMIT NUMBER NJ0135968

-----  
DRAFT

Permittee

Co-Permittee

-----  
RAHWAY CITY  
1 CITY HALL PLAZA  
RAHWAY NJ 07065

Property Owner

Location of Activity

-----  
RAHWAY CITY  
1 CITY HALL PLAZA  
RAHWAY NJ 07065

-----  
RAHWAY WTP  
1045 WESTFIELD AVE  
RAHWAY NJ 07065

=====  
Current Authorization

Covered By This Approval  
And Previous Authorization

Issuance  
Date

Effective  
Date

Expiration  
Date

-----  
I2 :POTABLE WTP BASINS & DRYING B 00/00/0000 00/00/0000 00/00/0000  
-----

By Authority of:

\_\_\_\_\_  
DEP AUTHORIZATION







James E. McGreevey  
Governor

State of New Jersey  
Department of Environmental Protection

Bradley M. Campbell  
Commissioner

Division of Water Quality  
P.O. Box 029 Trenton, NJ 08625-0029  
Phone : (609) 633-7021  
Fax: (609) 984-2147

**CERTIFIED MAIL  
RETURN RECEIPT REQUESTED**

Date 11/26/2003

RAHWAY CITY  
1 CITY HALL PLAZA  
RAHWAY, NJ 07066

Re: I2 -Potable WTP Basins & Drying Beds (GP) Authorization  
NJPDES-DGW Authorization No.: NJG0135968  
RAHWAY WTP  
Rahway City, Union County

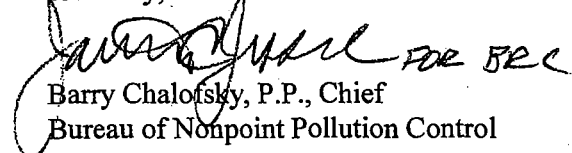
Dear Permittee:

Enclosed is your Renewal of an Authorization to Discharge under Ground Water General Permit No. NJG0135968 and a copy of the Master Potable WTP General Permit NJ0108642. Your facility was renewed and placed in "Monitoring Program 2 for lined basins", which has annual monitoring and reporting requirements. Your SQAR reporting schedule for your facility is also on an annual basis. A copy of this Authorization form along with other records should be located at the regulated facility at all times and be available for inspection by any authorized representative of the Department. If you have designated an agent, you must notify them about this General Permit Authorization and its requirements.

All monitoring shall be conducted in accordance with the Department's "Field Sampling Procedures Manual" applicable at the time of sampling (N.J.A.C. 7:14A-6.5(a) 4), and any methods approved by the Department referenced in Part III of the permit. The Field Sampling Procedures Manual is available through Maps and Publications Sales Office; Bureau of Revenue, P.O. Box 417, Trenton, New Jersey 08625, at (609) 777-1038.

The Department appreciates your efforts toward providing cleaner water for New Jersey and looks forward to working together with you in the future. Questions or comments regarding this action should be addressed to June Gazek at (609) 633-7021.

Sincerely,

  
Barry Chalofsky, P.P., Chief  
Bureau of Nonpoint Pollution Control

Enclosures  
c: Permit Distribution List

**BAD000008**



New Jersey Department of Environmental Protection

Bureau of Nonpoint Pollution Control]  
Division of Water Quality  
P.O. Box 029  
Trenton, NJ 08625-0029  
(609) 633-7021

**AUTHORIZATION TO DISCHARGE**  
**I2 -Potable WTP Basins & Drying Beds (GP)**

**Facility Name:**  
RAHWAY WTP

**PI ID#:** 50518

**Facility Address:**  
1045 WESTFIELD AVE  
RAHWAY, NJ 07065

**NJPDES #:** NJG0135968

**SIC Code:** 4941

**Type of Activity:** Ground Water General Permit Authorization-Renewal

**Owner:**  
RAHWAY CITY  
1 CITY HALL PLAZA  
RAHWAY, NJ 07066

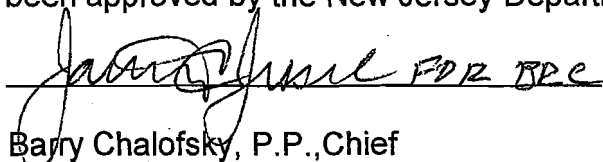
**Operating Entity:**  
RAHWAY CITY  
1 CITY HALL PLAZA  
RAHWAY, NJ 07066

**Issuance Date:**  
11/26/2003

**Effective Date:**  
09/01/2003

**Expiration Date:**  
08/31/2008

Your Request for Authorization under NJPDES General Permit No. **NJ0108642** has been approved by the New Jersey Department of Environmental Protection.

  
Barry Chalofsky, P.P., Chief

**Date:** 11/26/2003

Bureau of Nonpoint Pollution Control  
Division of Water Quality  
New Jersey Department of Environmental Protection



# HydroQual, Inc.

CONSULTANTS IN WATER POLLUTION CONTROL

THOMAS J. MULLIGAN  
JOHN P. ST. JOHN  
THOMAS W. GALLAGHER  
EUGENE J. DONOVAN, JR.  
O. KARL SCHEIBLE  
ALAN F. BLUMBERG

December 14, 1992

DONALD J. O'CONNOR  
DOMINIC M. DI TORO  
ASSOCIATES  
JAMES J. FITZPATRICK  
PAUL R. PAQUIN  
WILLIAM M. LEO  
JOHN P. CONNOLLY

Nancy L. Bonnevie  
ChemRisk  
Stroudwater Crossing  
1685 Congress Street  
Portland, Maine 04102

NYDP2270

Dear Ms. Bonnevie:

Mr. Les Kloman of the New York City Department of Environmental Protection (NYCDEP) has asked me to forward the information you requested in your letter to him dated December 3, 1992. Please find enclosed a copy of a Combined Sewer Overflow (CSO) map and key from a report completed in the City-Wide Floatables Study: Identification of Sources, Task 2.0. This map contains information gathered as of the date of the report and has not been updated since. Please note that this information was gathered from a variety of sources and may contain errors. The map was created using a CADD program with the locations shown as approximate.

In your letter you requested latitudes and longitudes of the CSOs. However, at the time of the report, very limited information was available in this form. If you are looking for latitudes and longitudes for New Jersey CSOs, may I suggest you contact Mr. S. Dan Zeppenfeld in the New Jersey Department of Environmental Protection and Energy (201)633-3869. On the New York City side, you may want to contact Mr. Gerry Volgende of the NYCDEP (212)860-9386. He is involved in a program locating all outfalls in New York City.

If you have any further questions regarding this information, please do not hesitate to contact me at (201) 529-5151.

Very truly yours,

HYDROQUAL, INC.

*William E. McMillin*

William E. McMillin

WEMC/lm  
Enclosure  
cc: Les Kloman, NYCDEP

BAH000001

City of New York  
Department of Environmental Protection  
Bureau of Heavy Construction  
Division of CSO Abatement

CITY-WIDE FLOATABLES STUDY  
CAPITAL PROJECT NUMBER WP-112

TASK 2.0

IDENTIFICATION OF SOURCES

NYDP1000

Prepared by:

HydroQual, Inc.  
1 Lethbridge Plaza  
Mahwah, New Jersey 07430

May 1991

**APPENDIX A  
MAP 1**

**LOCATIONS OF COMBINED SEWER OVERFLOWS**

## NEW YORK STATE COMBINED SEWER OVERFLOW OUTFALLS

## YONKERS

Labels	Reg.	Regulator Location	Outfall Location	Drain. Area		SPDES NO.
				(acres) DRY	WET	
-----						
		Westchester				
C-YI-002	CSO		Yonkers & Hudson River			002
C-YI-003	P/S		N. Yonkers Pump Station & Hudson River			003
C-YI-008	R-1,2,6		Lamartine Avenue & Hudson River			008
C-YI-010	R-3,4,5		Ashburton Avenue & Hudson River			010
C-YI-014	R-7		Warburton Avenue & Hudson River			014 @
C-YI-015	R-8		Arthur Street & Hudson River			015 @
C-YI-016	R-9		Roberts Avenue & Hudson River			016 @
C-YI-017	R-10		Odell Avenue & Hudson River			017 @
C-YI-018	R-11,12,16		Pier Street & Hudson River			018
C-YI-020	CSO		Ashton Road & Hudson River			020
C-YI-021	R-14		Herriot Street & Hudson River			021
C-YI-022	R-15,17		Main Street & Hudson River			022
C-YI-025	R-18		Wells Avenue & Hudson River			025
C-YI-027	CSO		S. Yonkers Trunk Sewer & Hudson River			027

All data is taken from the 1988 ISC CSO report.

note : @ = Not shown on map.



NEW YORK CITY COMBINED SEWER OVERFLOW OUTFALLS

HUNTS POINT

Labels	Reg.	Regulator Location	Outfall Location	Drain. Area (acres)		SPDES NO.
				DRY	WET	
Bronx						
C-HP-022	1	E. 177th St. E/O Tierney Pl.	E. 177th St. & Eastchester Bay	195	195	022
C-HP-021	2	Shore Dr. S/O Pennyfield Ave.	Pennyfield Ave. & East River	1475	170	021
C-HP-020	2 A	Oak Ave. S/O Chaffee Ave.	Throgs Neck Blvd. & East River		156	020
C-HP-019	3	Calhoun Ave. S/O Schurz Ave.	Calhoun Ave. & East River	120	120	019
C-HP-016	4	Brush Ave. & Bruckner Blvd.	Bruckner Expwy. & Westchester Creek	330	410	016
C-HP-011	5	White Pl. Rd. S/O River Ave.	White Plains Rd. & East River	45	45	011
C-HP-011	6	White Pl. Rd. & O'Brien Ave.	White Plains Rd. & East River	6300	470	011
C-HP-011	7	Leland & O'Brien Aves.	White Plains Rd. & East River	135	135	011
C-HP-025	8	Truxton St. & Oakpoint Ave.	Truxton St. & East River	225	225	025
C-HP-002	9	Tiffany St. & East Bay Ave.	Tiffany St. & East River	665	740	002
C-HP-002	9 A	Tiffany St. & Viele Ave.	Tiffany St. & East River		235	002
C-HP-003	10	Hunts Point & Ryawa Aves.	Farragut St. & East River	1135	1300	003
C-HP-017	11	Emerson & Schurz Aves.	Emerson Ave. & East River	215	270	017
C-HP-018	12	Robinson & Schurz Ave.	Robinson Ave. & East River	45	45	018
C-HP-009	13	Metcalf Ave. & Soundview Park	Metcalf Ave. & East River	1850	110	009
C-HP-026	14	Edgewater Park	Ellsworth Ave. & East River		950	026
C-HP-023	15	Conners St. E/O Hutchinson Ave.	Conner St. & Hutchinson River	235	300	023
C-HP-024	15 A	E. 233rd St. & Boston Post Rd.	E. 233rd St. & Hutchinson River	365	400	024
C-HP-028	CSO	Bayshore Ave. & Griswold Ave.	Outlook Ave. & Eastchester Bay			028
C-HP-029	CSO	Watt Ave. & Eastchester Bay	Watt Ave. & Eastchester Bay			029
C-HP-030	CSO	Barkley Ave. & Shore Drive	Barkley Ave. & Eastchester Bay			030 *
C-HP-015	CSO	Balcom Ave. & Latting St.	Latting St. & Westchester Creek			015
C-HP-012	CSO	Waterbury Ave. & Zerera Ave.	Lafayette Ave. & Westchester Creek			012
C-HP-013	CSO	Barrett Ave. & Lacombe Ave.	Newman Ave. & Pugsley's Creek			013 *
C-HP-010	CSO	Metcalf Ave. & Watson Ave.	Lacombe Ave. & Bronx River			010
C-HP-010	CSO	Randell Ave. & Metcalf Ave.	Lacombe Ave. & Bronx River			010
C-HP-008	CSO	Lafayette Ave. & Colgate Ave.	Lafayette Ave. & Bronx River			008
C-HP-007	CSO	Van Buren St. & Bronx Park Ave.	E. 177th St. & Bronx River			007
C-HP-007	CSO	E. 177th St. & Bronx Park Ave.	E. 177th St. & Bronx River			007
C-HP-027	CSO	Potters Place & Waterbury Ave.	Westchester Ave. & Eastchester Bay			027
C-HP-004	CSO	West Farm Rd. E/O East Tremont Ave.	West Farm Rd. & Bronx River			004
C-HP-014	CSO	Eastchester Rd. & Waters Place	East Tremont Ave. & Westchester Creek			014
C-HP-014	CSO	Morris Park Ave. & Eastchester Rd.	East Tremont Ave. & Westchester Creek			014
C-HP-004	CSO	178th St. & Boston Rd.	West Farm Rd. & Bronx River			004
C-HP-007	CSO	Pelham Pkway & Bronx Park East	E. 177th St. & Bronx River			007
C-HP-005	P/S	Hollers Ave. Pump Station	Holler Ave. & Hutchinson River			005 *
C-HP-006	P/S	Co-op City (South) Pump Station	Bartow Ave. & Hutchinson River			006 *
C-HP-031	P/S	Co-op City (North) Pump Station	Bellamy Loop North & Hutchinson River			031 *
C-HP P3	P/S	Eli Ave.	Hutchinson R. Pkwy. & Hutchinson R.			
C-HP P4	P/S	Orchard Beach Pump Station	Pelham Bay Park Lagoon			
C-HP P5	P/S	Commerce Ave. Pump Station	Mwebold Ave. & Westchester Creek			
C-HP P8	P/S	City Island Pump Station	City Island & Long Island Sound			
C-HP 19A	CSO	Lafayette Ave. & Zerega Ave.	Lafayette Ave. & Westchester Creek			
C-HP 26	CSO		Butler Place & Westchester Creek			
Queens						
C-HP-032	P/S	Rikers Island (North) Pump Station	Riker's Island & East River			032 *

All information is taken from 1985 RIP reports and I/I drawings when available unless otherwise noted.

\* : From 1988 ISC CSO Report

## WARDS ISLAND

Labels	Reg.	Regulator Location	Outfall Location	Drain. Area		SPDES NO.
				(acres)		
				DRY	WET	
Manhattan						
C-WI-002	1	E. 73rd St. & FDR Dr.	E. 73rd St. & East River	5	5	002
C-WI-003	2 A	E. 74th St. & FDR Dr.	E. 74th St. & East River	250	360	003
C-WI-003	2 B	N/O E. 74th St. & FDR Dr.	E. 74th St. & East River			003
C-WI-004	3	E. 75th St. & FDR Dr.	E. 75th St. & East River	5	5	004
C-WI-005	4	E. 76th St. & FDR Dr.	E. 76th St. & East River	5	5	005
C-WI-006	5	E. 77th St. & FDR Dr.	E. 77th St. & East River	5	5	006
C-WI-007	6	E. 78th St. & FDR Dr.	E. 78th St. & East River	5	5	007
C-WI-008	7	E. 79th St. & FDR Dr.	E. 79th St. & East River	200	265	008
C-WI-009	8	E. 83rd St. E/O East End Ave.	E. 83rd St. & East River	2	2	009
C-WI-010	9	E. 84th St. E/O East End Ave.	E. 84th St. & East River	1	1	010
C-WI-011	10	E. 86th St. & East End Ave	E. 86th St. & East River	70	70	011
C-WI-012	11	E. 89th St. & East End Ave	E. 89th St. & East River	60	60	012
C-WI-013	12	E. 90th St. & East End Ave	E. 90th St. & East River	2	2	013
C-WI-014	13	E. 91st St. E/O York Ave.	E. 91st St. & East River	4	4	014
C-WI-015	14	York Ave. Bet. 92nd & 93rd St.	E. 92nd St. & East River	50	50	015
C-WI-016	15	N/O E. 95th St. & FDR Dr.	E. 95th St. & East River	40	40	016
C-WI-017	16	E. 96th St. & FDR Dr.	E. 96th St. & East River	50	50	017
C-WI-018	17	E. 100th St. & FDR Dr.	E. 100th St. & East River	3	3	018
C-WI-019	18	S/O E. 102nd St. & FDR Dr.	E. 101st St. & East River	5	5	019
C-WI-043	19	E. 102nd St. & FDR Dr.	E. 102nd St. & East River	20	23	043 *
C-WI-020	20	E. 103rd St. & FDR Dr.	E. 103rd St. & East River	3		020
C-WI-021	21	E. 104th St. & FDR Dr.	E. 104th St. & East River	3	3	021
C-WI-022	22	E. 105th St. & FDR Dr.	E. 105th St. & East River	4	4	022
C-WI-023	23	E. 106th St. & FDR Dr.	E. 106th St. & East River	225	225	023
C-WI-024	24	E. 110th St. & FDR Dr.	E. 110th St. & East River	440	575	024
C-WI-025	25	E. 114th St. & FDR Dr.	E. 114th St. & East River	70	70	025
C-WI-026	26	E. 115th St. & FDR Dr.	E. 115th St. & East River			026
C-WI-027	27	E. 116th St. & FDR Dr.	E. 116th St. & East River	6	6	027
C-WI-028	28	E. 117th St. & FDR Dr.	E. 117th St. & East River	7	7	028
C-WI-029	29	E. 118th St. & FDR Dr.	E. 118th St. & East River	35	35	029
C-WI-030	30	E. 119th St. & FDR Dr.	E. 119th St. & East River	4	4	030
C-WI-031	31	E. 120th St. & FDR Dr.	E. 120th St. & East River	30	30	031
C-WI-032	32	E. 121st St. & FDR Dr.	E. 121st St. & East River	1	1	032
C-WI-033	33	E. 122nd St. & FDR Dr.	E. 122nd St. & East River	20	20	033
C-WI-034	34	E. 124th St. & FDR Dr.	E. 124th St. & East River	5	5	034
C-WI-035	35	E. 125th St. S/O 1st Ave.	E. 125th St. & East River	65	65	035
C-WI-036	36	E 129th St. & 2nd Ave.	E. 129th St. & Harlem River			036
C-WI-037	37	E. 130th St. E/S Harlem R. Dr.	E. 130th St. & Harlem River	65	65	037
C-WI-038	38	E. 135th St. E/O Harlem R. Dr.	E. 135th St. & Harlem River	160	160	038
C-WI-039	39	E. 140th St. W/O Harlem R. Dr.	E. 140th St. & Harlem River	10	10	039
C-WI-040	40	E. 141st St. & Harlem R. Dr.	W. 141st St. & Harlem River	5	5	040 *
C-WI-041	41	E. 142nd St. & 5th Ave.	W. 142nd St. & Harlem River	10	10	041 *
C-WI-042	42	W. 143rd St. & 5th Ave.	W. 143rd St. & Harlem River	7	7	042
C-WI-044	44	W. 145th St. & Harlem R. Dr.	W. 145th St. & Harlem River	8	8	044
C-WI-045	45	W. 147th St. & IRT Yard	W. 149th St. & Harlem River	100	100	045
C-WI-046	46	W. 151st St. & Playground	W. 151st St. & Harlem River	275	275	046
C-WI-047	47	W. 154th St. & Powell Blvd.	W. 154th St. & Harlem River	10	10	047
C-WI-048	48	W. 155th St. & McCombs Dam Rd.	W. 155th St. & Harlem River	4	4	048
C-WI-050	50	W. 156th St. & Douglass Blvd.	W. 156th St. & Harlem River	45	55	050
C-WI-051	51	N/S Harlem R. Dr. (W. 167th St.)	W. 167th St. & Harlem River	90	165	051
C-WI-052	52	N/S Harlem R. Dr. (W. 176th St.)	W. 176th St. & Harlem River	160	175	052
Bronx						
C-WI-068	53	Bruckner Blvd. & Brook Ave.	Brook Ave. & Bronx Kills	2015	840	068
C-WI-068	54	E. 132nd St. & Brook Ave.	Brook Ave. & Bronx Kills	2	2	068
C-WI-067	55	Lincoln Ave. S/O 132nd St.	Lincoln Ave. & Harlem River	80	80	067
C-WI-066	56	S/O E. 133rd St. N/S 3rd Ave.	Third Ave. & Harlem River	20	60	066
C-WI-065	57	Major Deegan W/S Park Ave.	Park Ave. & Harlem River	25	25	065
C-WI-075	58	Major Deegan S/S 138th St.	E. 138th St. & Harlem River	415	375	075

C-WI-064	59	Harlem River N/S 149th St.	E. 149th St. & Harlem River	170	170	064
C-WI-062	60	Jerome Ave. & McCombs Dam Park	Jerome Ave. & Harlem River	825	660	062
C-WI-049	60 A	Jerome Ave. & McCombs Dam Park	Jerome & McCombs Dam Pk & Harlem R.			049 *
C-WI-061	61	W. 167th St. & Sedgewick Ave.	W. 167th St. & Harlem River	135	135	061
C-WI-060	62	Undercliff & Sedgewick Ave.	Webster (Highbridge) & Harlem River	325	2340	060
C-WI-059	64	Sedgewick Ave. W/O E. 176th St.	W. 176th St. & Harlem River	120	120	059
C-WI-058	65	W. 178th St. W/O Major Deegan	W. 178th St. & Harlem River	80	80	058
C-WI-057	66	N/O Fordom Rd. W/S Major Deegan	Landing Rd. & Harlem River	295	295	057
C-WI-056	67	E. 192nd St. W/O Bailey Ave.	W. 192nd St. & Harlem River	1860	2130	056
C-WI-072	68	E. 149th St. & East River	E. 149th St. & East River	180	185	072
C-WI-071	69	E. 138th St. E/O Locust Ave.	E. 138th St. & East River	125	125	071
C-WI-070	70	E. 134th St. E/O Locust Ave.	E. 134th St. & East River	55	55	070
C-WI-069	71	E. 132nd St. & Cypress Ave.	Cypress Ave. & Bronx Kills	10	10	069
C-WI-063	72	Major Deegan & McCombs Dam Br.	S/O McCombs Dam Bridge & Harlem River	30	30	063
C-WI-073	73	St. Anns Ave. S/O Bruckner Blvd.	St. Anns Ave. & Bronx Kills	10	10	073 *
C-WI-074	CSO	Landing Ave. E/O Major Deegan Expwy.	Landing Ave. & Harlem River			074 *
Riverdale						
C-WI-055	1	W. 238th St. & Palisade Ave.	W. 236th St. & Hudson River	330	55	055
C-WI-054	2	W. 248th St. & Palisade Ave.	W. 248th St. & Hudson River	275	180	054
C-WI-053	3	W. 255th St. & Palisade Ave.	W. 256th St. & Hudson River	95	95	053
C-WI-079	4	W. 261st St. & RR(Mt. St. Vincent)	W. 261st St. & Hudson River	20	20	079 *
Marble Hill						
C-WI-076	MH-1 *	Edsall Ave. & Bradley Terr.	N/O Bradley Terr. & Harlem River	450	120	076 *
C-WI-077	MH-2 *	Ewen Ave. & Leyden Pl.(JFK HS)	Ewen Ave. & Harlem River	325	325	077 *
C-WI-078	MH-3 *	Broadway & 225th St.	W. 225th St. & Harlem River	60	60	078 *

All information is taken from 1985 RIP reports and I/I drawings when available unless otherwise noted.

\* : From 1988 ISC CSO Report

## NORTH RIVER

Labels	Reg.	Regulator Location	Outfall Location	Drain. Area (acres)		SPDES NO.
				DRY	WET	
Manhattan						
C-NR-018	N-1	Highbridge Park	Highbridge Park & Harlem River	3	10	018
C-NR-045	N-2	Academy St. & W 201st St.	Academy St. & Harlem River	220	230	045 *
C-NR-017	N-3	W 201st St. & Harlem River	W 201st St. & Harlem River			017
C-NR-016	N-4	W 203rd St. & Harlem River	W 203rd St. & Harlem River	5	5	016
C-NR-014	N-5	W 205th St. & Harlem River	W 205th St. & Harlem River	10	10	014
C-NR-013	N-6	W 206th St. & Harlem River	W 206th St. & Harlem River	2	2	013
C-NR-012	N-7	W 207th St. & Harlem River	W 207th St. & Harlem River	7	7	012
C-NR-012	N-8	W 207th St. & Harlem River	W 207th St. & Harlem River			012
C-NR-011	N-9	IND Subway Yard @ S End of Shed	W 209th St. & Harlem River	65	90	011
C-NR-010	N-10	IND Subway Yard: E face of Shed	W 211th St. & Harlem River			010
C-NR-010	N-11	IND Subway Yard: E of INS Shed	W 211th St. & Harlem River			010
C-NR-010	N-12	IND Subway Yard: W of INS Shed	W 211th St. & Harlem River			010
C-NR-009	N-13	W 215th St. & Harlem River	W 215th St. & Harlem River	2	2	009
C-NR-008	N-14	W 216th St. & Harlem River	W 216th St. & Harlem River	45	50	008
C-NR-007	N-15	W 218th St. & Indian Road	W 218th St. & Harlem River	25	70	007
C-NR-006	N-16	Dyckman St. & Henry Hudson Pkwy	Dyckman St. & Hudson River	280	400	006
C-NR-015	N-16 A	Dyckman St. & Hudson River	Dyckman St. & Hudson River			015 *
C-NR-005	N-17	Riverside Drive & W 190th St.	Chittenden Ave. & Hudson River	4	20	005
C-NR-004	N-18	Riverside Drive & W 172nd St.	W 171st St. & Hudson River	200	225	004
C-NR-003	N-19	Riverside Drive & W 158th St.	W 158th St. & Hudson River	110	110	003
C-NR-002	N-20	Riverside Drive & W 155th St.	W 152nd St. & Hudson River	20	20	002
C-NR-002	N-21	Riverside Drive & W 152nd St.	W 152nd St. & Hudson River	30	7	002
C-NR-002	N-21 A	Riverside Drive & W 151st St.	W 152nd St. & Hudson River		16	002
C-NR-002	N-21 B	Riverside Drive & W 153rd St.	W 152nd St. & Hudson River		7	002
C-NR-044	N-22	W 138th St. & 12th Ave.	W 138th St. & Hudson River	35	35	044
C-NR-043	N-23	St. Clair Place & 12th Ave.	St. Clair Place & Hudson River	620	620	043
C-NR-042	N-24	Riverside Drive & W 115th St.	W 115th St. & Hudson River	55	55	042
C-NR-041	N-25	Riverside Drive & W 108th St.	W 108th St. & Hudson River	45	45	041
C-NR-040	N-26	Riverside Park @ W 96th St.	W 96th St. & Hudson River	320	435	040
C-NR-040	N-26 A	Riverside Park @ W 96th St.	W 96th St. & Hudson River			040
C-NR-039	N-27	Riverside Drive & W 90th St.	W 91st St. & Hudson River	12	12	039
C-NR-038	N-28	Riverside Park @ W 80nd St.	W 80th St. & Hudson River	280	350	038
C-NR-037	N-29	Riverside Drive & W 72th St.	W 72nd St. & Hudson River	335	410	037
C-NR-046	N-29 A	Freedom Place & W 66th St.	W 66th St. & Hudson River			046 *
C-NR-036	N-30	Twelfth Ave. & W 59th St.	W 59th St. & Hudson River	60	70	036
C-NR-035	N-31	Twelfth Ave. & W 56th St.	W 56th St. & Hudson River	45	45	035
C-NR-034	N-32	Twelfth Ave. & W 50th St.	W 50th St. & Hudson River	25	25	034
C-NR-033	N-33	Twelfth Ave. & W 48th St.	W 48th St. & Hudson River	585	570	033
C-NR-033	N-34	Twelfth Ave. & W 48th St.	W 48th St. & Hudson River		7	033 *
C-NR-047	N-35	Twelfth Ave. & W 47th St.	W 47th St. & Hudson River		7	047 *
C-NR-032	N-36	Twelfth Ave. & W 46th St.	W 46th St. & Hudson River	9	9	032 *
C-NR-032	N-37	Twelfth Ave. & W 46th St.	W 46th St. & Hudson River			032
C-NR-031	N-38	Twelfth Ave. & W 44th St.	W 44th St. & Hudson River	15	15	031
C-NR-030	N-39	Twelfth Ave. & W 43rd St.	W 43rd St. & Hudson River	30	10	030
C-NR-048	N-40	Twelfth Ave. & W 42nd St.	W 42nd St. & Hudson River	20	20	048 *
C-NR-029	N-42	Twelfth Ave. & W 40th St.	W 40th St. & Hudson River	30	30	029
C-NR-028	N-43	Twelfth Ave. & W 36th St.	W 36th St. & Hudson River	80	40	028
C-NR-044	N-44	Twelfth Ave. & W 33rd St.	W 33rd St. & Hudson River		40	
C-NR-027	N-45	Twelfth Ave. & W 30th St.	W 30th St. & Hudson River	300	300	027
C-NR-026	N-46	Twelfth Ave. & W 26th St.	W 26th St. & Hudson River	70	70	026
C-NR-025	N-47	Twelfth Ave. & W 23rd St.	W 24th St. & Hudson River	65	65	025
C-NR-024	N-48	Eleventh Ave. & W 21st St.	W 21st St. & Hudson River	65	35	024 *
C-NR-049	N-49	Eleventh Ave. & W 21st St.	W 21st St. & Hudson River		30	
C-NR-023	N-50	Eleventh Ave. & W 18th St.	W 18th St. & Hudson River	170	170	023
C-NR-022	N-51	Eleventh Ave. & W 17th St.	S/O W 17th St. & Hudson River	105	25	022
C-NR-049	N-52	Eleventh Ave. & W 14th St.	W 14th St. & Hudson River		80	049 *
C-NR-050	N-53	Bloomfield St. & West St.	Bloomfield St. & Hudson River	1	1	050 *
C-NR-021	N-54	Ganesvoort St. & West St.	Ganesvoort St. & Hudson River	25	25	021

C-NR-020	N-55	West St. & Jane St.	Jane St. & Hudson River	60	60	020
C-NR-019	N-56	West St. & Bank St.	Bank St. & Hudson River	25	25	019
C-NR-051	CSO	46th St. & 10th Ave.	W 49th St. & Hudson River			051 *
C-NR-43A	CSO	W 130th St. & Riverside Drive	W 130th St. & Hudson River			
C-NR-006	CSO	Dyckman Ave. & Henshaw St.	Dyckman St. & Hudson River			006

All information is taken from 1985 RIP reports and I/I drawings when available unless otherwise noted.

\* : From 1988 ISC CSO Report

## BOWERY BAY

Labels	Reg.	Regulator Location	Outfall Location	Drain. Area (acres)		SPDES NO.
				DRY	WET	
Queens						
High Level						
C-BB-041	1	37th St. & 19th Ave.	19th Ave. & Steinway Creek	200	200	041
C-BB-002	2	45th St. & Plant	45th St. & Bowery Bay	8650	365	002 *
C-BB-003	3	Hazen St. & 19th Ave.	Hazen St. & Bowery Bay	235	150	003
C-BB-005	4	Laguardia Airport	E/O 81st St. & Bowery Bay	7880	2760	005
C-BB-007	5	100th St. & Ditmars Blvd.	27th Ave. & Flushing Bay	4990	90	007
C-BB-008	6	108th St. & Ditmars Blvd.	108th St. & Flushing Bay	4865	40	008
C-BB-008	7	108th St. & 34th Ave.	108th St. & Flushing Bay	80	70	008
C-BB-008	8	108th St. & 37th Ave.	108th St. & Flushing Bay	205	205	008
C-BB-008	9	108th St. & 43rd Ave.	108th St. & Flushing Bay	3680	600	008
C-BB-006	10	108th St. & LIE	S/O Northern Blvd. & Flushing Bay	2665	1500	006
C-BB-006	11	94th St. & LIE(N/S)	S/O Northern Blvd. & Flushing Bay	665	490	006
C-BB-006	11 A	94th St. & LIE(S/S)	S/O Northern Blvd. & Flushing Bay			006
C-BB-006	12	99th St. & 63rd Rd.	S/O Northern Blvd. & Flushing Bay	395	335	006
C-BB-006	13	111th St. & Corona Ave.	S/O Northern Blvd. & Flushing Bay		2475	006
C-TI-010	14	72nd Ave. & Park Dr.E.	Roosevelt Ave. & Flushing River	205	100	TI-010
C-TI-010	15	77th Ave. & Park Dr.E.	Roosevelt Ave. & Flushing River	310	165	TI-010
C-BB-006	16	Junction Blvd & LIE(N.S.)	S/O Northern Blvd. & Flushing Bay	30	20	006
C-BB-006	17	97th St. & LIE(N.S.)	S/O Northern Blvd. & Flushing Bay	8	2	006
C-BB-006	18	98th St. & LIE(N.S.)	S/O Northern Blvd. & Flushing Bay	80	25	006
C-BB-006	19	99th St. & LIE(N.S.)	S/O Northern Blvd. & Flushing Bay	10	4	006
C-BB-006	20	Xenia St. & LIE(N.S.)	S/O Northern Blvd. & Flushing Bay	70	40	006
C-BB-006	21	Junction Blvd & LIE(S.S.)	S/O Northern Blvd. & Flushing Bay	25	12	006
C-BB-006	22	98th St. & LIE(S.S.)	S/O Northern Blvd. & Flushing Bay	10	9	006
C-BB-006	23	99th St. & LIE(S.S.)	S/O Northern Blvd. & Flushing Bay	25	12	006
C-BB-006	24	102nd St. & LIE(S.S.)	S/O Northern Blvd. & Flushing Bay	8	8	006
C-BB-006	25	Yellowstone Blvd. & LIE(S.S.)	S/O Northern Blvd. & Flushing Bay	60	6	006
C-BB-006	26	Sautell Ave. & Penrod(LIE N.S.)	S/O Northern Blvd. & Flushing Bay	20	12	006
C-TI-010	27	Union Turnpike & Park Dr.E.	Roosevelt Ave. & Flushing River	180	190	TI-010
C-TI-010	28	Jewel Ave. & Park Dr.E.	Roosevelt Ave. & Flushing River	105	100	TI-010
C-BB-006	CSO	Corona Pump Station	S/O Northern Blvd. & Flushing Bay			006
	CSO	Pell Ave. Pump Station	S/O Northern Blvd. & Flushing Bay			
Low Level						
C-BB-011	L-1	Greenpoint Ave. & Newtown Creek	Greenpoint Ave. & Newtown Creek	25	25	011
C-BB-012	L-2	35th St. W/O Review Ave.	35th St. & Newtown Creek	7	7	012
C-BB-004	L-3	Borden Ave. & Dutch Kills	Borden Ave. & Dutch Kills(E.S.)	1	25	004 *
C-BB-048	L-3 B	30th St. & Hunterspoint Ave.	Hunterspoint Ave. & Dutch Kills	240	188	048
C-BB-010	L-3 C	Behind Pumping Station	Midtown Tunnel & Dutch Kills	1	1	010 *
C-BB-026	L-4	47th Ave. Between 28th & 29th Sts.	Btwn. 28th & 29th St. & Dutch Kills	417	170	026 *
C-BB-040	L-5	49th Ave. & 27th St.	49th Ave. & Dutch Kills	25	7	040 *
C-BB-042	L-6	Borden Ave. & 27th St.	W/O 27th St. & Dutch Kills	5	1	042 *
C-BB-043	L-7	Eastside 11th St. S/O 53th Ave.	11th St.(E.S.) & Newtown Creek		20	043 *
C-BB-013	L-8	Westside 11th St. S/O 53th Ave.	11th St.(W.S.) & Newtown Creek	55	35	013 *
C-BB-014	L-9	Vernon Blvd. S/O 54th Ave.	Vernon Blvd. & Newtown Creek	1	1	014
C-BB-015	L-10	5th St. & 55th Ave.	5th St. & Newtown Creek	15	15	015
C-BB-016	L-11	2nd St. & 51st Ave.	51st Ave. & East River	15	15	016
C-BB-017	L-12	E/O 2nd St. & 50th Ave.	50th Ave. & East River	1	1	017
C-BB-018	L-12 A	W/O 5th St. & 49th St.	49th Ave. & East River	7	7	018
C-BB-019	L-13	48th Ave. W/O 5th St.	48th Ave. & East River	7	7	019
C-BB-020	L-14	47th Rd. W/O 5th St.	47th Rd. & East River	5	5	020
C-BB-021	L-15	W/O 5th St. & 47th Ave.	47th Ave. & East River	40	40	021
C-BB-022	L-16	5th St. N/O 46th Ave.	5th St. & East River	9	9	022
C-BB-023	L-17	44th Dr. W/O 5th St.	44th Dr. & East River	70	70	023
C-BB-024	L-18	43rd Ave. & Vernon Blvd.	43rd Ave. & East River	175	200	024
C-BB-025	L-19	41st Ave. & Vernon Blvd.(in Park)	41st Ave. & East River	40	40	025
C-BB-027	L-20	38th Ave. & Vernon Blvd.	38th Ave. & East River	30	30	027
C-BB-028	L-21	37th Ave. & Vernon Blvd.	37th Ave. & East River	730	760	028
C-BB-029	L-22	Vernon Blvd. & Broadway	Broadway & East River	735	735	029

C-BB-044	L-22 A	54th Ave. W/O 2nd St.	54th Ave. & East River			044	*
C-BB-030	L-23	30th Rd. & Vernon Blvd.	30th Rd. & East River	25	25	030	
C-BB-031	L-24	Wellington Ct. & Vernon Blvd.	Main Ave. & East River	110	85	031	
C-BB-045	L-25	9th St. W/O 27th Ave.	9th St. & East River	20	20	045	*
C-BB-046	L-26	3rd St. & 26th Ave.	3rd St. & East River	20	20	046	*
C-BB-033	L-27	27th Ave. & 1st St.	27th Ave. & East River	10	10	033	
C-BB-047	L-28	1st St. & Astoria Blvd.	Astoria Blvd. W/O 1st St. & East R.	12	12	047	*
C-BB-032	L-29	8th St. & Astoria Blvd.	Astoria Blvd. & East River	20	20	032	
C-BB-034	L-30	Astoria Parks E/O Shore Blvd.	Hoyt Ave. & East River	445	445	034	
C-BB-035	L-31	Ditmars & Shore Blvds.	Ditmars Blvd. & East River	50	50	035	
C-BB-036	L-32	21st Ave. & Shore Blvd.	21st Ave. & East River	25	25	036	
C-BB-037	L-33	20th Ave. & Shore Blvd.	20th Ave. (South) & East River	20	25	037	*
C-BB-038	L-34	20th Ave. & Shore Blvd.	20th Ave. (North) & East River	98		038	*
C-BB-048	L-37	Hunterspoint Ave. & Van Dam St.	Hunterspoint Ave. & Dutch Kills	170	170	048	
C-BB-048	L-38	Hunterspoint Ave. & 30th Pl.	Hunterspoint Ave. & Dutch Kills	190	190	048	
C-BB-026	L-39	47th Ave. & 30th St.	Btwn. 28th & 29th St. & Dutch Kills	410	170	026	
C-BB-026	L-40	47th Ave. & 31st St.	Btwn. 28th & 29th St. & Dutch Kills	150	142	026	
C-BB-026	L-42	27th St. & Skillman Ave.	Btwn. 28th & 29th St. & Dutch Kills	7	7	026	
C-BB-049	CSO	51st Ave. & Queens Plaza	51st Ave. & Dutch Kills			049	*
Manhattan							
C-BB-050	P/S	* Roosevelt Island Main Pump Station	Roosevelt Island & East River			050	*
C-BB-051	P/S	* Roosevelt Island North Pump Station	Roosevelt I. Birds Coler Hosp. & E.R.			051	*
C-BB-052	P/S	* Roosevelt Island South Pump Station	Roosevelt I. Goldwater Hosp. & E.R.			052	*

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NEWTOWN CREEK

Labels	Reg.	Regulator Location	Outfall Location	Drain. Area (acres)		SPCES NO.
				DRY	WET	
Manhattan						
C-NC-081	TG-1	W. 10th St. & West St.	N/O Charles St. & Hudson River		430	081 *
C-NC-080	TG-2	Charlton St. & West St.	N/O Vandam St. & Hudson River			080 *
C-NC-076	M-1	Clarkson St. & West St.	Clarkson St. & Hudson River	430		076
C-NC-075	M-2	N/O Canal St. & West St.	Watts St. & Hudson River	250	250	075
C-NC-074	M-3	Vestry St. & West St.	Vestry St. & Hudson River	45	50	074
C-NC-073	M-4	Duane St. & West St.	Duane St. & Hudson River	110	120	073
C-NC-072	M-5	Vesey St. & West St.	Vesey St. & Hudson River	45	45	072
C-NC-071	M-6	Albany St. & West St.	S/O Rector St. & Hudson River	15	15	071
C-NC-071	M-7	Rector St. & West St.	S/O Rector St. & Hudson River	35	35	071
C-NC-079	M-8	Morris St. & West St.	Morris St. & Hudson River	4	4	079 *
C-NC-070	M-9	Battery St. & West St.	Battery Park & Hudson River	10	10	070
C-NC-069	M-10	South St. N/O Broad St.	Broad St. & East River	85	85	069
C-NC-068	M-11	South St. S/O Vietnam Vets Plaza	Coenties Slip & East River	10	15	068
C-NC-051	M-12	South St. & Old Slip	Old Slip & East River			051 *
C-NC-067	M-13	South St. & Maiden Lane	Maiden Lane(Fletcher St.) & East R.	50	50	067 *
C-NC-078	M-16	South St. N/O Dover St.	N/O Dover St.(Fulton St.) & East R.	105	105	078 *
C-NC-066	M-17	South St. & Robt. Wagner Sr. Pl.	Robt. Wagner Sr. Pl. & East River			066 *
C-NC-065	M-18	South St. S/O Catherine Slip	S/O Catherine Sl.(Oliver St.) & E.R.	165	165	065 *
C-NC-050	M-19	South St. S/O Catherine Slip	S/O Catherine Sl. & East River			050 *
C-NC-064	M-20	South St. & Market Slip	Market St. & East River	35	35	064
C-NC-063	M-21	South St. & Jefferson St.	Jefferson St. & East River	135	135	063
C-NC-062	M-22	South St. & Gouverneur St.	Gouverneur St. & East River		35	062
C-NC-061	M-23	Jackson St. & FDR Drive	Jackson St. & East River		15	061
C-NC-060	M-24	FDR Drive N/O Jackson St.(in park)	S/O Corlears St. & East River	65	9	060
C-NC-060	M-25	FDR Drive N/O M-24 (in park)	S/O Corlears St. & East River		15	060
C-NC-059	M-26	Grand St. E/O FDR Drive	S/O Grand St. & East River	65	5	059
C-NC-042	M-27	FDR Drive N/O Grand St.(in park)	Broome St. & East River		60	042 *
C-NC-028	M-28	Delancy St. & FDR Drive (in park)	Delancey St. & East River		45	028 *
C-NC-058	M-29	FDR Drive N/O Delancy St. (in park)	Rivington St. & East River	90	45	058
C-NC-057	M-30	FDR Dr. S/O E. Houston St. (in park)	Stanton St. & East River	55	55	057
C-NC-020	M-31	FDR Drive & E. Houston St.	E. Houston St. & East River	135	70	020 *
C-NC-056	M-32	FDR Drive N/O E. Houston St.	E. 3rd St. & East River		65	056
C-NC-055	M-33	FDR Drive & E 6th St.	E. 6th St. & East River	10	10	055
C-NC-054	M-34	FDR Drive & E 8th St.	E. 8th St. & East River	15	15	054
C-NC-053	M-35	FDR Drive & E 11th St.	E. 11th St. & East River	10	10	053
C-NC-052	M-36	FDR Drive & E 14th St.	E. 14th St. & East River	290	290	052
C-NC-049	M-37	E 18th St. & Ave. C	E. 18th St. & East River	200	200	049
C-NC-048	M-38	FDR Drive & E 21st St.	E. 21st St. & East River	85	75	048
C-NC-087	M-38 A	FDR Drive & E 22nd St.	E. 22nd St. & East River		10	087 *
C-NC-047	M-38 B	FDR Drive & E 23rd St.	E. 23rd St. & East River	55	54	047
C-NC-046	M-39	FDR Drive S/O E 24th St.	E. 24th St. & East River		1	046
C-NC-045	M-40	FDR Drive & E 26th St.	E. 26th St. & East River	135	135	045
C-NC-043	M-41	FDR Drive & E 30th St.	E. 30th St. & East River	35	1	043
C-NC-044	M-41 A	FDR Drive S/O M-41	E. 29th St. & East River		34	044
C-NC-041	M-42	E 33rd St. S/O 1st Ave.	E. 33rd St. & East River	140	140	041
C-NC-040	M-43	FDR Drive & E 36th St.	E. 36th St. & East River	60	3	040
C-NC-039	M-43 A	FDR Drive & E 37th St.	E. 37th St. & East River		2	039
C-NC-038	M-43 B	FDR Drive & E 38th St.	E. 38th St. & East River		55	038
C-NC-037	M-44	E 41st St. E/O 1st Ave.	E. 41st St. & East River	135	140	037
C-NC-018	M-45	E 41st St. E/O M-44	E. 41st St. & East River	25		018 *
C-NC-017	M-45 A	FDR Drive & E 42nd St.	E. 42nd St. & East River		25	017 *
C-NC-016	M-46	E 46th St. E/O 1st Ave.	E. 46th St. & East River	10	10	016 *
C-NC-036	M-47	FDR Drive & E 49th St.	E. 49th St. & East River	360	430	036
C-NC-011	M-47 A	FDR Drive & E 48th St.	E. 48th St. & East River		30	011 *
C-NC-034	M-48	E 54th St. & Sutton Place South	E. 54th St. & East River	33	30	034
C-NC-035	M-48 A	E 53rd St. & Sutton Place South	E. 53rd St. & East River		3	035
C-NC-033	M-49	E 57th St. E/O Sutton Place	E. 57th St. & East River	15	15	033
C-NC-032	M-50	FDR Drive & E 61st St.	E. 61st St. & East River			



C-NC-005	M-51	FDR Drive & E 63rd St.	E. 63rd St. & East River	15	15	005 *
C-NC-031	M-51 A	FDR Drive S/O E 70th St.	E. 70th St. & East River			031
C-NC-031	M-51 B	FDR Drive & E 70th St.	E. 70th St. & East River	6	2	031
C-NC-030	M-51 C	FDR Drive & E 71st St.	E. 71st St. & East River	4	4	030
Queens						
C-NC-077	Q-1	Rust St. & 56th St.	W/O Rust St. & Maspeth Creek	1060	1400	077
C-NC-029	Q-2	56th Rd. & 43rd St. (DC)	43rd St. & Newtown Creek			029
Brooklyn						
C-NC-015	B-1	Johnson Ave. W/O Porter Ave.	Johnson Ave. & English Kills	3500	4000	015
C-NC-019	B-2	Metropolitan & Onderdonk Aves.	Metropolitan & Newtown Creek	10	15	019
C-NC-014	B-3	Kent Ave. & Taylor St.	Kent Ave. & Wallabout Bay	1205	1860	014
C-NC-014	B-4	Kent Ave. & Taylor St.	Kent Ave. & Wallabout Bay			014
C-NC-013	B-5	Division Ave. W/O Kent Ave.	Division Ave. & East River	1100	740	013
C-NC-009	B-5 A	Kent Ave. & S. 8th St.	S. 8th St. & East River	20	20	009 *
C-NC-012	B-6	S. 5th St. W/O Kent Ave.	S. 5th St. & East River	375	375	012
C-NC-010	B-6 A	Grand St. W/O Kent Ave.	Grand St. & East River	2	2	010
C-NC-008	B-7	Metropolitan Ave. W/O River St.	Metropolitan Ave. & East River	150	120	008 *
C-NC-007	B-8	N. 5th St. W/O Kent Ave.	N. 5th St. & East River	65	65	007
C-NC-006	B-9	N. 12th St. & Kent Ave.	N. 12th St. & East River	735	765	006
C-NC-004	B-10	Quay St. & West St.	Quay St. & East River	100	100	004
C-NC-003	B-11	Greenpoint Ave. W/O West St.	Greenpoint Ave. & East River	15	15	003
C-NC-027	B-12	Huron St. & West St.	Huron St. & East River	195	235	027
C-NC-026	B-13	Green St. & West St.	Green St. & East River	15	15	026
C-NC-025	B-14	Freeman St. & West St.	Freeman St. & East River	15	15	025
C-NC-024	B-15	Dupont St. & West St.	Dupont St. & East River	2	2	024
C-NC-023	B-16	Commercial St. & Franklin St.	Franklin St. & Newtown Creek	20	20	023
C-NC-022	B-17	McGuinness Blvd. N/O Ash St.	McGuinness Blvd. & Newtown Creek	40		022
C-NC-021	CSO *	McGuinness Blvd. N/O Ash St.	McGuinness Blvd. & Newtown Creek			021 *

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\* : From 1988 ISC CSO Report

## TALLMAN ISLAND

Labels	Reg.	Regulator Location	Outfall Location	Drain. Area (acres)		SPDES NO.
				DRY	WET	
Queens						
College Point						
C-TI-020	1	College Pl. & 5th Ave.	College Pl. & East River	65	65	020
C-TI-019	2	115th St. & 9th Ave.	9th Ave. & East River	40	40	019
C-TI-018	3	110th St. & 14th Ave.	14th Ave. & Flushing Bay	40	40	018
C-TI-017	4	110th St. & 15th Ave.	15th Ave. & Flushing Bay	12	12	017
C-TI-016	5	119th St. & 20th Ave.	20th Ave. & Flushing Bay	135	135	016
C-TI-015	6	119th St. & 22nd Ave.	22nd Ave. & Flushing Bay	12	12	015
C-TI-014	7	119th St. & 23rd Ave.	23rd Ave. & Flushing Bay	12	12	014
C-TI-013	8	120th St. & 25th Ave.	25th Ave. & Flushing Bay	85	85	013
C-TI-011	9	Linden Pl. & 32nd Ave.	32nd Ave. & Flushing River	8990	9175	011 *
Whitestone						
C-TI-003A	10	138th St. & 11th Ave.	138th St. & Powell's Cove	1275	1325	003 *
C-TI-003	10 A	144th St. & 7th Ave.	N/O 7th Ave. & Powell's Cove	985	1035	003 *
C-TI-003	10 B	144th St. E/O Malba Drive	N/O 7th Ave. & Powell's Cove	240	240	003 *
C-TI-004	11	151st St. & 7th Ave.	151st St. & East River	60	60	004
C-TI-005	12	154th St. & Powells Cove Blvd.	154th St. & East River	190	190	005
C-TI-R13	13	15th Dr. & Willets Pt. Blvd.	Cryder's Lane & Little Bay	825	825	*
Kissena Cor.						
C-TI-010	29	Oak Ave. & Colden St.	Roosevelt Ave. & Flushing River	145	145	010
C-TI-010	30	Quince Ave. & Kissena Blvd.	Roosevelt Ave. & Flushing River	780	800	010
C-TI-010	31	Lawrence St. & Blossom Ave.	Roosevelt Ave. & Flushing River	6495	6495	010
C-TI-010	32	137th St. & Peck Ave.	Roosevelt Ave. & Flushing River	2	2	010
C-TI-010	33	138th St. & Peck Ave.	Roosevelt Ave. & Flushing River	2	2	010
C-TI-010	34	Main St. S/O Peck Ave.	Roosevelt Ave. & Flushing River	7	7	010
C-TI-010	35	56th Rd. & 146th St.	Roosevelt Ave. & Flushing River	45	45	010
C-TI-010	36	150th St. & Booth Mem. Pkwy.	Roosevelt Ave. & Flushing River	420	420	010
C-TI-010	37	150th St. & 60th Ave.	Roosevelt Ave. & Flushing River	325	325	010
C-TI-010	38	Parsons Blvd. & Booth Mem. Pkwy.	Roosevelt Ave. & Flushing River	4	4	010
C-TI-010	39	159th St. & Booth Mem. Pkwy.	Roosevelt Ave. & Flushing River	40	60	010
C-TI-010	40	Fresh Meadow La. & Peck Ave.	Roosevelt Ave. & Flushing River	1800	1800	010
C-TI-010	40 A	Gladwin Ave. & Fresh Meadow La.	Roosevelt Ave. & Flushing River	150	150	010
C-TI-010	41	188th St. & LIE (N.S.)	Roosevelt Ave. & Flushing River	115	115	010
C-TI-010	43	192nd St. & 56th Ave.	Roosevelt Ave. & Flushing River	845	810	010
C-TI-010	44	Peck Ave. & LIE (S.S.)	Roosevelt Ave. & Flushing River	85	85	010
C-TI-010	45	73rd Ave. & Utopia Pkwy.	Roosevelt Ave. & Flushing River	695	520	010
C-TI-008	46	210th St. & LIE (N.S.)	46th Ave. & Alley Creek	690	580	008
C-TI-008	47	218th St. & LIE (N.S.)	46th Ave. & Alley Creek	335	405	008
C-TI-008	48	Springfield Blvd. & LIE (S.S.)	46th Ave. & Alley Creek	275	300	008
C-TI-008	49	220th Pl. & 46th Ave.	46th Ave. & Alley Creek	1350	1050	008
C-TI-010	50	157th St. & 43rd Ave.	Roosevelt Ave. & Flushing River	375	300	010
C-TI-007	P/S	Old Douglas Pump Sta.(Northern Blvd.)	Northern Blvd. & Alley Creek			007 *
	P/S	Doug Bay Pump Station	Douglaston Bay P/S & Lit. Neck Basin			009 *
C-TI-006	CSO	Bayside Pump Station(@ 24th Ave.)	24th Ave. & Little Neck Bay			006
C-TI-021	CSO	233th St. & 39th Ave.	233th St. & Little Neck Bay			021
Flushing						
C-TI-011	51	Parsons Blvd. & 32nd Ave.	32nd St. & Flushing River	420	420	011 *
C-TI-011	52	Union St. & 32nd Ave.	32nd St. & Flushing River	12	12	011 *
C-TI-011	53	137th St. & 32nd Ave.	32nd St. & Flushing River	45	45	011 *
C-TI-011	54	Downing St. & 32nd Ave.	32nd St. & Flushing River	8	8	011 *
C-TI-022	55	College Pt. Blvd. & Roosevelt Ave.	40th Rd. & Flushing River	45	45	022
C-TI-022	56	Main St. & 40th Rd.	40th Rd. & Flushing River	60	60	022
C-TI-022	57	41st Ave. E/O Lawrence St.	40th Rd. & Flushing River	20	20	022
C-TI-022	58	Sanford Ave. & Frame Pl.	40th Rd. & Flushing River	70	70	022
C-TI-010	59	58th Ave. & Lawrence St.	Roosevelt Ave. & Flushing River	50	50	010
C-TI-010	60	Booth Mem. Pkwy. & Lawrence St.	Roosevelt Ave. & Flushing River	120	120	010

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\* : From 1988 ISC CSO Report

## JAMAICA

Labels	Reg.	Regulator Location	Outfall Location	Drain. Area (acres)		SPDES NO.
				DRY	WET	
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Queens						
C-JA-006	1	JFK Airport	JFK Airport & Head of Bergen Basin	17575	11850	006
C-26-005	2	79th St. & N. Conduit Ave.	Spring Creek Auxiliary WPCP	1255	1255	26-005
C-JA-003	3	123rd Place & 150th Ave.	123rd St. & Bergen Basin	1385	1385	003
C-JA-002	4	Liberty Ave. & Van Wyck Exp.	130th Place & Bergen Basin	100	100	002
C-JA-002	5	134th St. & 150th Av(at Plant)	130th Place & Bergen Basin	23540	500	002
C-JA-005	6	225th St. & 138th Ave.	225th St. & Thurston Basin	1120	810	005
C-JA-005	7	135th Ave. & Springfield Blvd.	225th St. & Thurston Basin	340	25	005
C-JA-005	8	133rd Ave. & Springfield Blvd.	225th St. & Thurston Basin	315	380	005
C-JA-005	9	Linden & Springfield Blvds.	225th St. & Thurston Basin	2935	3000	005
C-JA-004	11	Cross Bay Blvd. E/O 157th Ave.	Cross Bay Blvd. & Shell Bank Basin		195	004
C-JA-004	11 A	Cross Bay Blvd. E/O 157th Ave.	Cross Bay Blvd. & Shell Bank Basin	1450	360	004
C-JA-003A	14	124th St. & N. Conduit Ave.	123rd St. & Bergen Basin	1480	1500	003

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\* : From 1988 ISC CSO Report

## ROCKAWAY

Labels	Reg.	Regulator Location	Outfall Location	Drain. Area (acres)		SPDES NO.
				DRY	WET	
Queens						
C-RO-029	1	B106th St. & Beach Channel Dr.	Beach 106th St. & Jamaica Bay	2790		029
C-RO-029	2	B106th St. & Beach Channel Dr.	Beach 106th St. & Jamaica Bay	970		029
C-RO-014	D-2	B91st St. & Beach Channel Dr.	Beach 91st St. & Jamaica Bay	10	30	014
C-RO-012	D-3	E/O Cross Bay Blvd. & Beach Chan.	Beach 94th St. & Jamaica Bay	10	10	012
C-RO-011	D-4	B96th St. & Beach Channel Dr.	Beach 96th St. & Jamaica Bay	10	10	011
C-RO-010	D-5	B97th St. & Beach Channel Dr.	Beach 97th St. & Jamaica Bay	8	8	010
C-RO-009	D-6	B98th St. & Beach Channel Dr.	Beach 98th St. & Jamaica Bay	8	8	009
C-RO-008	D-7	B99th St. & Beach Channel Dr.	Beach 99th St. & Jamaica Bay	8	8	008
C-RO-007	D-8	B100th St. & Beach Channel Dr.	Beach 100th St. & Jamaica Bay	8	8	007
C-RO-006	D-9	B101st St. & Beach Channel Dr.	Beach 101st St. & Jamaica Bay	10	10	006
C-RO-005	D-10	B102nd St. & Beach Channel Dr.	Beach 102nd St. & Jamaica Bay	10	10	005
C-RO-004	D-11	Seaside Ave. & Beach Channel Dr.	Seaside Ave. & Jamaica Bay	10	10	004
C-RO-030	D-12	B104th St. & Beach Channel Dr.	Beach 104th St. & Jamaica Bay	10	10	030
C-RO-028	D-14	B108th St. & Beach Channel Dr.	Beach 108th St. & Jamaica Bay	30	30	028
C-RO-026	D-17	B117th St. & Beach Channel Dr.	Beach 117th St. & Jamaica Bay	50	50	026
C-RO-025	D-18	B122nd St. & Beach Channel Dr.	Beach 122nd St. & Jamaica Bay	30	30	025
C-RO-023	D-20	B128th St. & Beach Channel Dr.	Beach 128th St. & Jamaica Bay	120	120	023
C-RO-022	D-21	B132nd St. & Beach Channel Dr.	Beach 132nd St. & Jamaica Bay	20	20	022
C-RO-021	D-22	B135th St. & Beach Channel Dr.	Beach 135th St. & Jamaica Bay	55	55	021
C-RO-020	D-23	B136th St. & Beach Channel Dr.	Beach 136th St. & Jamaica Bay	20	20	020
C-RO-019	D-24	B139th St. & Beach Channel Dr.	Beach 139th St. & Jamaica Bay	55	55	019
C-RO-018	D-25	B140th St. & Beach Channel Dr.	Beach 140th St. & Jamaica Bay	250	250	018
C-RO-015	TG-1	B88th St. & Beach Channel Dr.	Beach 88th St. & Jamaica Bay		2000	015
C-RO-016	CSO	Bayswater Pump Station	Bayswater Ave. & Norton Basin			016
C-RO-017	CSO	Seagrit Ave. Pump Station	B9th St. & Banister Creek			017
C-RO-013	CSO	B93rd St. & Beach Channel Drive	B93rd St. & Jamaica Bay			013
C-RO-027	CSO	B116th St. & Beach Channel Drive	B116th St. & Jamaica Bay			027
C-RO-031	P/S	Nameoke Pump Sta.(Far Rockaway Blvd)	Redfern (Nameoke P/S) & Mott Basin			031
C-RO-024	CSO	B124th St. & Beach Channel Drive	B124th St. & Jamaica Bay			024

All information is taken from 1985 RIP reports and I/I drawings when available unless otherwise noted.

\* : From 1988 ISC CSO Report

## 26th WARD

Labels	Reg.	Regulator Location	Outfall Location	Drain. Area (acres)		SPDES NO.
				DRY	WET	
Brooklyn						
C-26-004	1	Tide Gate(26 Ward WPCP)	Hendrix St. & Hendrix St. Canal	1510	450	004
C-26-003	2	Williams & Flatlands Aves.	Williams Ave. & Fresh Creek	1040	2170	003
C-26-003	2 A	Hegeman Ave. & Louisiana Ave.	Williams Ave. & Fresh Creek	1060	1130	003
C-26-004	2 B	Thatford St. & Linden Blvd.	Hendrix St. & Hendrix St. Canal			004
C-26-005	3	Crescent St. & Flatlands Ave.	Spring Creek Auxiliary WPCP	1830	1830	005

All data is taken from RIP reports

## CONEY ISLAND

Labels	Reg.	Regulator Location	Outfall Location	Drain. Area (acres)		SPDES NO.
				DRY	WET	
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Brooklyn						
C-CI-004	1	Ralph & Flatlands Aves.	Flatlands Ave. & Paerdegat Basin	1935	2385	004
C-CI-005	2	Ralph Ave. & Chase Ct.	Flatlands Ave. & Paerdegat Basin	1315	1315	005
C-CI-005	3	Ralph & Foster Aves.	Flatlands Ave. & Paerdegat Basin	155	155	005
C-CI-005	4	Flatlands Ave. S/O E. 76th St.	Flatlands Ave. & Paerdegat Basin	255		005
C-CI-004	5	South West of Paerdegat P.S.	Flatlands Ave. & Paerdegat Basin		255	004
C-CI-006	6	Ave. K E/O Ralph Ave.	Ralph Ave. & Paerdegat Basin	1340		006
C-CI-003	CSO	Ave. N & Ocean Ave.	Ocean Ave. & Sheepshead Bay			003
C-CI-003	CSO	Ave. O & Ocean Ave.	Ocean Ave. & Sheepshead Bay			003
C-CI-007	CSO	Ave. M Pump Station-(@ E. 99th St.)	Ave. M P/S & Fresh Creek Basin			007

All information is taken from 1985 RIP reports and I/I drawings when available unless otherwise noted.

\* : From 1988 ISC CSO Report

## OWLS HEAD

Labels	Reg.	Regulator Location	Outfall Location	Drain. Area (acres)		SPECIES NO.
				DRY	WET	
Brooklyn						
C-OH-017	1	92nd St. & Belt Pkwy.	92nd St. & Upper NY Bay	5400	3450	017
C-OH-018	2	82nd St. E/O Belt Pkwy(in Park)	79th St. & Upper NY Bay	50	50	018
C-OH-018	3	79th St. E/O Belt Pkwy(in Park)	79th St. & Upper NY Bay	470	470	018
C-OH-019	4	71st St. E/O Belt Pkwy(in Park)	71st St. & Upper NY Bay	145	145	019
C-OH-020	5	Bay Ridge Ave. & Shore Rd.	Bay Ridge Ave. & Upper NY Bay	10	10	020
C-OH-002	6	64th St. in RR Yard	64th St. & Upper NY Bay	3200	1290	002
C-OH-002	6 A	64th St. in Army Base(30" Sewer)	64th St. & Upper NY Bay			002
C-OH-002	6 B	64th St. in RR Yard(42" Sewer)	64th St. & Upper NY Bay			002
C-OH-002	6 C	64th St. in Army Base(15' Sewer)	64th St. & Upper NY Bay			002
C-OH-003	7	49th St. & 1st Ave.	49th St. & Upper NY Bay	1500	350	003
C-OH-003	7 A	49th St. & 1st Ave.(Tide Gate)	49th St. & Upper NY Bay			003
C-OH-003	7 B	49th St. & 1st Ave.(60" Sewer)	49th St. & Upper NY Bay			003
C-OH-003	7 C	49th St. & 1st Ave.(30" Sewer)	49th St. & Upper NY Bay			003
C-OH-004	7 D	43rd St. & 1st Ave.	43rd St. & Upper NY Bay		1400	004
C-CI-005	8	Rogers Ave. & Martense St.	Coney Island Regulator R-4	70	120	
C-CI-005	8 A	Flatbush Ave. & Bedford Ave.	Coney Island Regulator R-4	160	90	
C-CI-005	8 B	E.21st St. & Foster Ave.	Coney Island Regulator R-4	210	50	
C-OH-015	9	17th Ave. & Shore Ave.	17th Ave. & Gravesend Bay		750	015
C-OH-015	9 A	17th Ave. & Bath Ave.	17th Ave. & Gravesend Bay	520	310	015
C-OH-015	9 B	17th Ave. & 72nd St.	17th Ave. & Gravesend Bay			015
C-OH-015	9 C	17th Ave & 60th St.	17th Ave. & Gravesend Bay			015
C-OH-009	CSO	7th St. & 3rd Ave.	5th St. & Gowanus Canal			009 *
C-OH-006	CSO	19th St. & 3rd Ave.	19th St. & Gowanus Canal			006 *
C-OH-005	CSO	Carrol St. & 3rd Ave.	Carroll St. & Gowanus Canal			005 *
C-OH-007	CSO	10th St. & 2nd Ave.	2nd Ave. & Gowanus Canal			007 *
C-OH-008	CSO		E. 9th St. & Gowanus Canal			008 *
C-OH-022	CSO		Bush Terminal Complex(32nd St.) & GB			022 *
C-OH-023	CSO		Bush Term. Complex(28th St. Sl.) & GB			023 *
C-OH-021	1	Ave V. & W. 11th St.	Btw. Cropsey & Stillwell & Coney I Cr	650	450	021 *
C-OH-021	CSO	Highland Ave. & W. 11th St.	Btw. Cropsey & Stillwell & Coney I Cr			021 *
C-OH-021	CSO	Ave. S & 11th St.	Btw. Cropsey & Stillwell & Coney I Cr			021 *
C-OH-021	CSO	Ave. T & W. 11th St.	Btw. Cropsey & Stillwell & Coney I Cr			021 *
C-OH-021	CSO	W. 5th & Ave. T	Btw. Cropsey & Stillwell & Coney I Cr			021 *
C-OH-021	CSO	W. 4th & Ave. T	Btw. Cropsey & Stillwell & Coney I Cr			021 *
C-OH-021	CSO	Van Sicklen Ave. & Ave. T	Btw. Cropsey & Stillwell & Coney I Cr			021 *
C-OH-021	CSO	Lake St. & Ave. T	Btw. Cropsey & Stillwell & Coney I Cr			021 *
C-OH-021	CSO	Ave. U & W. 5th St.	Btw. Cropsey & Stillwell & Coney I Cr			021 *
C-OH-021	CSO	Ave U & Lake St.	Btw. Cropsey & Stillwell & Coney I Cr			021 *
C-OH-021	CSO	23th Ave. & 81st St.	Btw. Cropsey & Stillwell & Coney I Cr			021 *

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\* : From 1988 ISC CSO Report.

## RED HOOK

Labels	Reg.	Regulator Location	Outfall Location	Drain. Area (acres)		SPDES NO.
				DRY	WET	
Brooklyn						
C-RH-029	R-1	Van Brunt St. South of Reed St.	Van Brunt St. & Upper NY Bay	20	20	029
C-RH-028	R-2	Wolcott St. & Conover St.	Wolcott St. & Buttermilk Channel	1200	330	028
C-RH-025	R-5	Pioneer St. & Conover St.	Conover St. & Atlantic Basin	6	6	025
C-RH-024	R-6	Verona St. West of Imlay St.	Verona St. & Atlantic Basin	4	4	024
C-RH-023	R-7	Commerce St. West of Imlay St.	Commerce St. & Atlantic Basin	3	4	023
C-RH-022	R-8	Bowne St. West of Imlay St.	Bowne St. & Atlantic Basin	4	4	022
C-RH-019	R-9	Hamilton Ave. & Ferry Place	Hamilton St. & Buttermilk Channel	40	40	019
C-RH-021	R-9 A	Sackett St. & Ferry Place	Sackett St. & Buttermilk Channel	1		021
C-RH-020	R-10	Degraw St. & Van Brunt St.	Degraw St. & Buttermilk Channel	12	12	020
C-RH-018	R-11	Kane St. @ Van Brunt St.	Kane St. & East River	50	35	018
C-RH-016	R-12	Amity St. @ Columbia St.	Amity St. & East River	245	360	016
C-RH-014	R-13	Atlantic Ave. West of Furman St.	Atlantic Ave. & East River	10	2	014
C-RH-015	R-13	Atlantic Ave. West of Furman St.	Atlantic Ave. & East River	10	2	015
C-RH-013	R-14	Joralemon St. West of Furman St.	Joralemon St. & East River	1	1	013
C-RH-011	R-15	Montague St. West of Furman St.	Montague St. & East River	25	20	011
C-RH-010	R-16	Furman St. @ Orange St.	Orange St. & East River	7	7	010
C-RH-012	R-17	Fulton St. @ Furman St.	Cadman Plaza & East River	90	90	012 *
C-RH-009	R-18	Main St. @ Plymouth St.	Main St. & East River	30	30	009
C-RH-008	R-18 A	Washington St. @ Plymouth St.	Washington St. & East River	15	15	008
C-RH-007	R-19	Adams St. @ John St.	Adams St. & East River	42	42	007
C-RH-006	R-19 A	Pearl St. @ John St.	Pearl St. & East River	40	40	006
C-RH-004	R-20	Gold St. @ Plymouth St.	Gold St. & East River	1180		004
C-RH-005	R-20 A	Gold St. & Plymouth St.	Gold St. & East River		1160	005
C-RH-003	R-21	Hudson Ave. @ Plymouth St.	Hudson Ave. & East River	15		003
C-RH-002	R-21 A	Hudson Ave. @ Plymouth St.	Hudson Ave. & East River		15	002 *
C-RH-036	R-22	Nevins St. & President St.	President St. & Gowanus Canal	8	8	036
C-RH-037	R-23	Nevins St. & Sackett St.	Sackett St. & Gowanus Canal	6	6	037
C-RH-038	R-24	Nevins St. & Degraw St.	Degraw St. & Gowanus Canal	10	10	038
C-RH-033	R-25	Nevins St. & Douglass St.	Douglass St. & Gowanus Canal(E.S.)	7	7	033 *
C-RH-039	CSO	Douglass St. & Bond St.	Douglass St. & Gowanus Canal(W.S.)			039 *
C-RH-031	CSO	Lorraine St. & Smith St.	Creamer St. & Gowanus Canal			031 *
C-RH-030	CSO	Lorraine St. & Hicks St.	Hicks St. & Gowanus Canal			030 *
C-RH-035	CSO	Fourth St. & Bond St.	Bond St. & Gowanus Canal			035 *
C-RH-032	CSO		W. 9th St. & Gowanus Canal			032 *
C-RH-034	CSO	Gowanus Pump Station	Butler St. & Gowanus Canal			034 *

All information is taken from 1985 RIP reports and I/I drawings when available unless otherwise noted.

\* : From 1988 ISC CSO Report

## PORT RICHMOND

Labels	Reg.	Regulator Location	Outfall Location	Drain. Area		SPDES NO.
				(acres) DRY	WET	
East						
C-PR-023B	R-1	Nautilus Ct. N/O Cliff St.	Nautilus St. & Upper NY Bay	400	475	023B *
C-PR-023A	R-2	Nautilus St. N/O Cliff St.	Nautilus St. & Upper NY Bay			023A *
C-PR-023	R-3	Nautilus St. E/O Bay St.	Nautilus St. & Upper NY Bay			023 *
C-PR-021	R-4	Hylan Blvd. & Edgewater St.	Hylan Blvd. & Upper NY Bay	10	10	021
C-PR-020	R-5	Edgewater St. N/O Sylvia Lane	N/O Sylva La. & Upper NY Bay	15	15	020
C-PR-030	R-6	Edgewater St. N/O Sylvation	Sylvation Terr. & Upper New York Bay	4	4	030
C-PR-019	R-7	Lynhurst Ave. & Edgewater St.	S/O Lynhurst Ave. & Upper NY Bay	300	325	019
C-PR-018	R-8	Edgewater St. N/O Camden St.	N/O Camden St. & Upper NY Bay	50	50	018
C-PR-017	R-9	Norwood Ave. E/O Marginal St.	Norwood Ave. & Upper NY Bay	70	70	017
C-PR-016	R-10	Marine Hosp. E/O Marginal St.	Marine Hospital & Upper NY Bay	1035	1075	016
C-PR-015	R-11	W/O Front St. S/O Thompson St.	S/O Dock St. & Upper NY Bay			015 *
C-PR-031	R-13	Canal St. and Front St.	Canal St. & Upper NY Bay			031 *
C-PR-014	R-15	Front St. E/O Baltic St.	Baltic St. & Upper NY Bay	240	240	014
C-PR-032	R-16	M. Hulbert Av. S/O Victory Blvd.	S/O Victory Blvd. & Upper NY Bay	465	465	032 *
C-PR-013	R-17	Victory Blvd. E/O M. Hulbert Ave.	Victory Blvd. & Upper NY Bay			013
C-PR-011	R-18	Hamilton Ave. & Richmond Terr.	Hamilton Ave. & Upper NY Bay	35	35	011
C-PR-010	R-19	St. Peters Pl. & Richmond Terr.	St. Peters Pl. & Upper NY Bay	15	15	010
C-PR-009	R-20	Jersey St. & Richmond Terr.	Jersey St. & Kill Van Kull	175	140	009
C-PR-008	R-21	Franklin Ave. & Richmond Terr.	Franklin Ave. & Kill Van Kull		35	008
C-PR-006	R-23	Richmond Terr. & Clinton Ave.	Clinton Ave. & Kill Van Kull	105	105	006
C-PR-007	R-27	Richmond Terr. & Sailors Snug H	Sailor Snug H. & Kill Van Kull		35	007 *
C-PR-005	R-28	Kissel Ave. & Richmond Terr.	W/O Kissel Ave. & Kill Van Kull	290	290	005 *
C-PR-004	R-29	Bard Ave. & Richmond Terr.	Bard Ave. & Kill Van Kull	125	125	004
C-PR-033	R-31	Elizabeth Ave. & Richmond Terr.	Elizabeth Ave. & Kill Van Kull	25	25	033 *
C-PR-034	R-32	Bement Ave. & Richmond Terr.	Bement Ave. & Kill Van Kull	200	200	034 *
C-PR-003	R-33	Broadway & Richmond Terr.	Broadway & Kill Van KULL	175	175	003
C-PR-002	R-34	Richmond Terr. E/O Taylor St.	E/O Taylor St. & Kill Van Kull	175	175	002
West						
C-PR-035	R-35	Bodine St. & Richmond Terr.	Bodine St. & Kill Van Kull	4935	2825	035 *
C-PR-036	R-36	Rector St. & Richmond Terr.	Rector St. & Bodine Creek			036 *
C-PR-037	R-37	Richmond Av. N/O Richmond Terr.	Richmond Ave. & Kill Van Kull			037 *
C-PR-024	WR-1	Richmond Terr. W/O Holland Ave.	W/O Holland Ave. & Newark Bay	150	45	024
C-PR-025	WR-2	Richmond Terr. & South Ave.	South Ave. & Newark Bay	20	20	025
C-PR-026	WR-3	Harbor Rd. N/O Richmond Terr.	Harbor Rd. & Newark Bay	400	425	026
C-PR-027	WR-4	Union Ave. N/O Richmond Terr.	Union Ave. & Newark Bay	40	40	027
C-PR-028	WR-5	Richmond Terr. & Houseman Ave.	Houseman Ave. & Newark Bay	145	145	028
C-PR-029	WR-6	Richmond Terr. & Nicholas Ave.	Nicholas Ave. & Newark Bay	1830	1930	029

All information is taken from 1985 RIP reports and I/I drawings when available unless otherwise noted.

\* : From 1988 ISC CSO Report

OAKWOOD BEACH - RAW DISCHARGES (TOTTENVILLE)

Labels	Reg.	Regulator Location	Outfall Location	Drain. Area (acres)		SPDES NO.
				DRY	WET	
R-OB-049	Raw	Amboy Rd. & Wards Pt. Ave.	Amboy Rd. & Arthur Kill			049
R-OB-050	Raw	Arthur Kill Rd. & Bently St.	Bently St. & Arthur Kill			050
R-OB-051	Raw	Main St. & Ellis St.	Main St./Ellis St. & Arthur Kill			051
R-OB-052	Raw	Arthur Kill Rd. & Fisher Ave.	Fisher Ave./Ellis St. & Arthur Kill			052
R-OB-053	Raw	Arthur Kill Rd. & Nassau Pl.	Nassau Pl. & Arthur Kill			053

BROAD CHANNEL - RAW DISCHARGES (JAMAICA BAY)

Labels	Reg.	Regulator Location	Outfall Location	Drain. Area (acres)		SPDES NO.
				DRY	WET	
R-BC-000	Raw	BROAD CHANNEL	East & West Broad Channel, Jamaica Bay			n/a



NEW JERSEY COMBINED SEWER OVERFLOW OUTFALLS

PATERSON

Labels	Reg.	Regulator Location	Outfall Location	Drain (acres)		
				DRY	WET	NO.
C-PT-001	1	Curtis Place	Passaic River		1210	001
C-PT-002	3	Mulberry Street	Passaic River		3	002
C-PT-003	4	W. Broadway	Passaic River		4	003
C-PT-004	5	Bank Street	Passaic River		3	004
C-PT-005	6	Bridge Street	Passaic River		73	005
C-PT-006	13	Montgomery Street	Passaic River		426	006
C-PT-007	14	Straight Street	Passaic River		94	007
C-PT-008	15	Franklin Street	Passaic River		2	008
C-PT-009	16	Keene Street	Passaic River		23	009
C-PT-010	17	Warren Street	Passaic River		103	010
C-PT-011	20	Sixth Avenue	Passaic River		46	011
C-PT-012	21	E. 5th Street & 5th Avenue	Passaic River		7	012
C-PT-013	22	E. 11th Street	Passaic River		100	013
C-PT-014	23	E. 12th Street and 4th Ave.	Passaic River		23	014
C-PT-015	2	S.U.M Park	Passaic River		66	015
C-PT-016	7	Northwest Street	Passaic River			016
C-PT-017	8	Arch Street	Passaic River			017
C-PT-018	CSO	Jefferson Street	Passaic River			018
C-PT-019	CSO	Stout Street (Hudson St.)	Passaic River		450	019
C-PT-020	14	N. Straight Street	Passaic River			020
C-PT-021	18	Bergen Street	Passaic River		4	021
C-PT-022	17	Short Street	Passaic River		16	022
C-PT-023	24	Second Avenue	Passaic River		38	023
C-PT-024	25	Third Avenue	Passaic River		74	024
C-PT-025	26	33rd Street & 10th Avenue	Passaic River		710	025
C-PT-026	27	20th Avenue	Passaic River		50	026
C-PT-027	28	Market Street	Passaic River		1461	027

Note: "Hudson St. includes Northwest, Arch, Jefferson, Stout & N. Straight Streets".

"Jefferson and Stout Streets outfalls plugged w/ debris and buried".

GARFIELD

Labels	Reg.	Regulator Location	Outfall Location	Drain. Area (acres)		
				DRY	WET	NJDEP NO.
C-GA-001	CSO	Garden State Paper	Passaic River			001 \$

LODI

Labels	Reg.	Regulator Location	Outfall Location	Drain. Area (acres)		
				DRY	WET	NJDEP NO.
C-LO-001	CSO	Lodi Force Main Bypass	Passaic River		3246	L-001 #5

Notes: \$ "Inactive"

# "Area served with separate sanitary sewers"

@ Not shown on map.

All information has been collected from the following sources:

1988 ISC CSO report.

EPA-R2-73-152, Combined Sewer Overflow Study for the Hudson River Conference

NJDEP, Division of Water Resources, known or suspected CSOs, 1990

City of Elizabeth, CSO Pollution Abatement Program, 1986

Passaic Valley Sewerage Commission (PVSC), 1976 & 1983

Hudson County Utilities Authority, 201 Wastewater Facilities Plan, 1980

PASSAIC					Drain. Area (acres)		NJDEP NO.
Labels	Reg.	Regulator Location	Outfall Location		DRY	WET	
C-PC-001	CSO	Passaic Tail Race	Passaic River			6	Q-001 #
C-PC-002	CSO	Wallington Pump Station	Passaic River			2524	Q-002 #

PASSAIC VALLEY S.C.					Drain. Area (acres)		NJDEP NO.
Labels	Reg.	Regulator Location	Outfall Location		DRY	WET	
C-PC-003	CSO	Yantacaw St. (Main PVSC Line Overflow)	Passaic River & Third River				003 \$
C-PC-004	CSO	Yantacaw Pumping Station	Passaic River & Third River			1359	004 #
C-PC-005	CSO	Lester Street	Passaic River				005
C-PC-006	CSO	N. Arlington Br.	Passaic River			560	006 \$
C-PC-007	CSO	Hudson Street	Passaic River				007

RUTHERFORD					Drain. Area (acres)		NJDEP NO.
Labels	Reg.	Regulator Location	Outfall Location		DRY	WET	
C-RU-001	CSO	Woodward Avenue	Passaic River			206	R-001 #
C-RU-002	CSO	Pierrepont Avenue	Passaic River			96	R-002 #
C-RU-003	CSO	Rutherford Avenue	Passaic River			151	R-003 #

KEARNEY					Drain. Area (acres)		NJDEP NO.
Labels	Reg.	Regulator Location	Outfall Location		DRY	WET	
C-KE-001	CSO	Stewart Avenue	Passaic River			34	K-001
C-KE-002	CSO	Washington Avenue	Passaic River			37	K-002
C-KE-003	71	Bergen Avenue	Passaic River			1	K-003
C-KE-004	72	Nairn Avenue	Passaic River			150	K-004
C-KE-005	CSO	Marshall Street	Passaic River			14	K-005
C-KE-006	59	Johnston Avenue	Passaic River			160	K-006
C-KE-007	58	Ivy Street	Franks Creek			439	K-007
C-KE-008	61	Bergen Avenue	Franks Creek			52	K-008
C-KE-009	70	Tappan Street	Franks Creek			27	K-009
C-KE-010	64	Duke Street	Franks Creek			15	K-010

## HARRISON

Labels	Reg.	Regulator Location	Outfall Location	Drain. Area (acres)		NJDEP NO.
				DRY	WET	
C-HA-001	63	New (Hamilton) Street	Passaic River		32	H-001
C-HA-002	69	Cleveland Street	Passaic River		11	H-002
C-HA-003	CSO	Harrison Avenue	Passaic River		67	H-003
C-HA-004	68	Dey Street	Passaic River		6	H-004
C-HA-005	66	Middlesex Street	Passaic River		62	H-005
C-HA-006	65	Bergen Street	Passaic River		72	H-006
C-HA-007	CSO	Worthington Avenue	Passaic River		168	H-007

## NEWARK

Labels	Reg.	Regulator Location	Outfall Location	Drain. Area (acres)		NJDEP NO.
				DRY	WET	
	CSO	1000' E. of Frontage	Newark Bay			023 a
	CSO	Peddie Street	Newark Bay			025 a
C-NK-001	CSO	Franklin Ave.	Second River			001
C-NK-002	51	Verona Avenue	Passaic River		396	002
C-NK-003	56	Delavan Avenue	Passaic River		58	003
C-NK-004	47	Herbert Place N.	Passaic River		241	004
C-NK-005	47	Herbert Place S.	Passaic River			005
C-NK-006	CSO	1000' N. of Third Avenue	Passaic River			006
C-NK-007	57	Third Avenue	Passaic River		9	007
C-NK-008	46	Fourth Avenue	Passaic River		156	008
C-NK-009	43	Clay Street	Passaic River		1409	009
C-NK-010	43	Clay Street	Passaic River			010
C-NK-011	54	Orange Street	Passaic River		13	011
C-NK-012	55	Bridge Street	Passaic River		10	012
C-NK-013	45	Rector Street	Passaic River		144	013
C-NK-014	44	Saybrook Place	Passaic River		288	014
C-NK-015	CSO	Raymond Plaza E.	Passaic River			015
C-NK-016	52	Jackson Street	Passaic River		67	016
C-NK-017	48	Polk Street	Passaic River		221	017
C-NK-018	50	Freeman Street	Passaic River		128	018
C-NK-019	CSO	Brown Street	Passaic River			019
C-NK-020	CSO	Lockwood Street	Passaic River			020
C-NK-021	CSO	Blanchard Street	Passaic River			021
C-NK-022	CSO	Roanoke Avenue	Roanoke Avenue & Passaic River			022
C-NK-024	CSO	Avenue B	Newark Airport Ditch			024
C-NK-026	CSO	Inter. Way	Newark Airport Ditch			026
C-NK-027	CSO	900' North of McClellan St.	Newark Airport Ditch			027
C-NK-028	CSO	Route 1 & 9	Newark Airport Ditch			028
C-NK-029	CSO	900' North of McClellan St.	Newark Airport Ditch			029
C-NK-030	CSO	Avenue A	Newark Airport Ditch			030
East Newark						
C-EN-001	62	Central Avenue	Passaic River		26	E-001

SECOND RIVER JOINT MEETING					Drain. Area (acres)		NJDEP
Labels	Reg.	Regulator Location	Outfall Location	DRY	WET	NO.	
C- U-001	CSO	N. of Verona Avenue	Second River			U-001	
HACKENSACK					Drain. Area (acres)		NJDEP
Labels	Reg.	Regulator Location	Outfall Location	DRY	WET	NO.	
C-HK-001	CSO	Anderson Street	Hackensack River			001	
C-HK-002	CSO	Court Street	Hackensack River			002	
	CSO	Hackensack Meter 108	Hackensack River			003 a	
FORT LEE					Drain. Area (acres)		NJDEP
Labels	Reg.	Regulator Location	Outfall Location	DRY	WET	NO.	
C-FL-001	CSO	Bluff Road Outlet	Hudson Terrace & Hudson River			001	
C-FL-002	CSO	Palisade Terr. Outlet	Palisade Terr./Orchard St. & Hudson R.			002	
C-FL-003	CSO	Lower Main Street Outlet	Main Street & Hudson River			003	
EDGEWATER					Drain. Area (acres)		NJDEP
Labels	Reg.	Regulator Location	Outfall Location	DRY	WET	NO.	
C-ED-002	ER-2	Lasher Lane	Lasher Lane & Hudson River			002	
C-ED-003	ER-3	So. Glenwood	S/O Glenwood Avenue & Hudson River			003	
C-ED-004	ER-4	Hudson Avenue & River Road	Hudson Avenue & Hudson River			004	
C-ED-005	ER-5	Dempsey Avenue & River Road	Dempsey Avenue & Hudson River			005	
C-ED-006	ER-6	Hilliard Avenue & River Road	Hilliard Avenue & Hudson River			006	
C-ED-007	ER-7	Gardin Place & Under	Btw. Hilliard & Gardin Pl. & Hudson R.			007	
C-ED-008	ER-8	Archer Street & River Road	Archer Street & Hudson River			008	
C-ED-009	ER-9	Orchard & Palisade	Btw. Orchard & Palisade & Hudson R.			009	
C-ED-010	CSO	Oldwood & Under Place	Btw. Hilliard & Gardin Pl. & Hudson R.			010	
C-ED-011	CSO	Oakdene & Under Place	Btw. Hilliard & Gardin Pl. & Hudson R.			011	
C-ED-012	CSO	Gorge Road & Hudson River	Gorge Road & Hudson River			012	
NEW BRUNSWICK					Drain. Area (acres)		NJDEP
Labels	Reg.	Regulator Location	Outfall Location	DRY	WET	NO.	
	001	College Avenue	Raritan River			001 a	
	002	Albany St.	Raritan River			002 a	
	003	Westons Mills	Lawrence Brook			003 a	
	004	Goodale Circle	Lawrence Brook			004 a	
	005	S Pennington	Lawrence Brook			005 a	

## NORTH BERGEN

Labels	Reg.	Regulator Location	Outfall Location	Drain. Area (acres)		NJDEP NO.
				DRY	WET	
C-NB-000	NB-0	Hillcrest Pump Station	Hillcrest Pump Station & Hudson River		20	
C-NB-001	NB-1	Hudson Blvd. East & 73rd St.	73rd Street & Hudson River		108	
C-NB-002	NB-2	Hudson Blvd. East & 74th St.	74th Street & Hudson River		32	
Central						
C-NB-003	CSO	W. 91st Street & Tonnelle	Bellmans Creek			003
C-NB-005	CSO	69th Street	Paunpeck Creek			005
C-NB-006	CSO	60th Street	Cromakill Creek			006
C-NB-007	CSO	53rd Street	Cromakill Creek			007
C-NB-008	CSO	STP Outfall	Cromakill Creek			008
C-NB-009	CSO	Paterson Plank Road	Cromakill Creek			009
C-NB-010	CSO	29th Street	Penhorn Creek			010
C-NB-011	CSO	11th Street	Penhorn Creek			011

## GUTTENBERG

Labels	Reg.	Regulator Location	Outfall Location	Drain. Area (acres)		NJDEP NO.
				DRY	WET	
C-GB-G1	G-1	Hudson Blvd. East & 70th St.	70th Street		108	

## WEST NEW YORK

Labels	Reg.	Regulator Location	Outfall Location	Drain. Area (acres)		NJDEP NO.
				DRY	WET	
C-WN-001	WNY-1	Hillside Road E/O Hudson Blvd. East	Hillside Road & Hudson River		792	501

## WEEHAWKEN

Labels	Reg.	Regulator Location	Outfall Location	Drain. Area (acres)		NJDEP NO.
				DRY	WET	
C-WH-W0	W-0	18th Street Pumping Station	18th Street & Hudson River		179	
C-WH-W1	W-1	Park Avenue Southbound Lane	Weehawkin Rail Yard & Hudson River		115	
C-WH-W2	W-2	Park Avenue Southwest Sidewalk	Weehawkin Rail Yard & Hudson River		192	
C-WH-W3	W-3	Park Avenue Northwest Sidewalk	Weehawkin Rail Yard & Hudson River		172	
C-WH-W4	W-4	Hudson Blvd. East & Baldwin Ave.	N/O Baldwin Avenue & Hudson River		192	
C-WH-W5	W-5	Hudson Blvd. East & 49th St.	49th Street & Hudson River		20	
C-WH-W6	W-6	Liberty Place	Liberty Place/Pershing Rd. & Hudson R.			

HOBOKEN					Drain. Area (acres)		NJDEP NO.
Labels	Reg.	Regulator Location	Outfall Location		DRY	WET	
	H-0	Observer Highway & Park Ave.					
C-HB-002	H-1	Observer Highway & Ct. All.	Observer Highway & Hudson River		121		002
C-HB-003	H-2	River Street & Newark Street	Newark Street & Hudson River		32		003
C-HB-004	H-3	River Street & 3rd Street	3rd Street & Hudson River		96		004
C-HB-005	H-4	River Street & 4th Street	4th Street & Hudson River		70		005
C-HB-006	H-5	Hudson Street & 11th Street	11th Street & Hudson River		108		006
C-HB-007	H-6	Hudson Street & 14th Street	14th Street & Hudson River		19		007
C-HB-008	H-7	N/O Hudson Street & 15th Street	15th Street & Hudson River		64		008
JERSEY CITY					Drain. Area (acres)		NJDEP NO.
Labels	Reg.	Regulator Location	Outfall Location		DRY	WET	
	East						
C-JC-016	RE-21	Boyle Plaza, 15th Street	N/O Holland Tunnel & Hudson River		95		016
C-JC-017	RE-20	Boyle Plaza, 14th Street	N/O Holland Tunnel & Hudson River		460		017
C-JC-018	RE-19	Boyle Plaza, 15th Street	N/O Holland Tunnel & Hudson River		30		018
C-JC-019	RE-18	12th & Henderson Sts.	N/O Holland Tunnel & Hudson River		370		019
C-JC-020	RE-17	8th & Provost Sts.	8th Street & Hudson River		91		020
C-JC-021	RE-16	6th St., E/O Henderson St.	6th Street & Hudson River		46		021
C-JC-022	RE-15	2nd & Provost Sts.	2nd Street & Hudson River		103		022
C-JC-023	RE-14	E/O Washington & Henderson St.	Bay Street & Hudson River		54		023
C-JC-024	RE-13	Pearl St., E/O Washington St.	Pearl Street & Hudson River		14		024
C-JC-025	RE-12	Hudson & Exchange Sts.	Montgomery Street & Hudson River		10		025
C-JC-026	RE-11	York St., E/O Hudson St.	York Street & Hudson River		216		026
C-JC-027	RE-10	Grand St., E/O Hudson St.	Grand Street & Hudson River		111		027
C-JC-028	RE-9	East of Green and Morris St.	Sussex Street & Hudson River		5		028
C-JC-029	RE-8	Essex St., E/O Hudson St.	Essex Street & Hudson River		33		029
C-JC-030	RE-7	Washington St., N/O Dudley Street	Washington Street & Morris Canal		4		030
C-JC-031	RE-6	Off Johnston St., at Mill Creek	Jersey Avenue & Tidewater Canal Basin		871		031
C-JC-031	RE-5	Mill Street & Pine Street( w/RE-6)	Jersey Avenue & Tidewater Canal Basin				031
C-JC-032	RE-4	Foot of Burma Road, W/O NJ Turnpike	Liberty State Park & Upper NY Bay		505		032
C-JC-032	RE-3	Claremont & Carterat(w/ RE-4)	Liberty State Park & Upper NY Bay				032
C-JC-033	RE-2	Richard Street	Ft. of Richard Street & Upper NY Bay		238		033
C-JC-034	RE-1	Brown Street & Harbor Drive	Harbor Drive & Upper NY Bay		420		034
C-JC-RE22	RE-22	Off 16th St., E/O Henderson Ave.	Ft. of 10th Street & Hudson River		460		
	West						
C-JC-003	RW-13	Mina Drive, E/O Rte. 440	Mina Drive & Newark Bay		190		003
C-JC-004	RW-11	Foot of Danforth Ave.	Ft. of Danforth Avenue & Newark Bay		194		004
C-JC-005	RW-12	Foot of Danforth Ave.	Ft. of Danforth Avenue & Newark Bay		94		005
C-JC-006	RW-7	Duncan Ave., E/O Rte. 440	Hackensack River		220		006
C-JC-007	RW-6	Sip Ave., E/O Rte. 440	Hackensack River		219		007
C-JC-008	RW-2	Foot of Manhattan Ave.	Hackensack River		450		008
C-JC-009	RW-1	W/O Tonnele Ave. & Secaucus Rd.	Penhorn Creek		421		009
C-JC-010	RW-3	St. Pauls & Charlotte Ave.	Hackensack River		261		010
C-JC-011	RW-4	Newark & Charlotte Ave.	Hackensack River		109		011
C-JC-012	RW-5	Broadway Ave. & Halleck Ave.	Hackensack River		71		012
C-JC-013	RW-8	Foot of Clendenny Ave., W/O Rte. 440	Clendenny Avenue & Hackensack River		290		013
C-JC-014	RW-9	Foot of Claremont Ave., W/O Rte. 440	Claremont Avenue & Hackensack River		125		014
C-JC-015	RW-10	Foot of Fish St., W/O Rte. 440	Fisk Street & Hackensack River		190		015

BAYONNE				Drain. Area		NJDEP NO.
Labels	Reg.	Regulator Location	Outfall Location	(acres) DRY	WET	
	CSO		Kill Van Kull			002 a
C-BA-001	R-2	E. 15th St. East of Avenue E	Opposite 15th St. & Kill Van Kull		252	001
C-BA-003	CSO	1st Street	First St. P/S & Kill Van Kull			003
C-BA-004	R-1	E. 19th St. and Avenue F	19th St. & Kill Van Kull		65	004
C-BA-005	R-2	E. 15th St.	Opposite 15th St. & Kill Van Kull			005
C-BA-006	R-3	East 30th St. and Avenue F	N. Hook Rd. & 33rd St. & Upper NY Bay		45	006
C-BA-007	R-4	E. 34th St. and Avenue E	Route 169/34th St. & Upper NY Bay		215	007
C-BA-008	R-5	E. 5th St. and Ingham Avenue	Ingham Avenue & Kill Van Kull		219	008
C-BA-009	R-6	Broadway & E. 1st St.	Broadway & Kill Van Kull		44	009
C-BA-010	R-7	Ave. C & West 1st St.	Avenue C & Kill Van Kull		51	010
C-BA-011	R-8	Avenue A north of W. 3rd St.	W. 3rd St. & Newark Bay		36	011
C-BA-012	R-9	Avenue A south of W. 5th St.	W. 5th St. & Newark Bay		41	012
C-BA-013	R-10	Edwards Court west of Avenue A	Edwards Court & Newark Bay		3	013
C-BA-014	R-11	W. 16th St. west of Avenue A	W. 16th St.&Bayonne City Pk. & Nwk Bay		13	014
C-BA-015	R-12	W. 22nd St. west of Avenue A	W. 22nd St. & Newark Bay		77	015
C-BA-016	R-13	W. 24th St. west of Avenue A	W. 24th St. & Newark Bay		13	016
C-BA-017	R-14	W. 25th St. west of Avenue A	W. 25th St. & Newark Bay		90	017
C-BA-018	R-15	W. 30th St. west of Avenue A	W. 30th St. & Newark Bay		17	018
C-BA-019	R-16	Lincoln Pkwy. west of Avenue A	Lincoln Parkway & Newark Bay		147	019
C-BA-020	R-17	59th St. and Hudson Blvd.	59th St. & Newark Bay		109	020
C-BA-021	R-18	E. 50th St. east of Avenue E	N/O Marine Ocean Term. & Upper NY Bay		159	021

PERTH AMBOY				Drain. Area		NJDEP NO.
Labels	Reg.	Regulator Location	Outfall Location	(acres) DRY    WET		
C-PA-002	CSO	Garretson Avenue	Garretson Avenue & Crane Creek			002
C-PA-003	CSO	Rudy Park	Rudyk Park & Arthur Kill			003
C-PA-004	CSO	Buckingham Avenue	Buckingham Street & Arthur Kill			004
C-PA-005	CSO	Washington Street	Washington Street & Arthur Kill			005
C-PA-006	CSO	Commerce Street	Commerce Street & Arthur Kill			006
C-PA-007	CSO	Fayette Street	Fayette Street & Arthur Kill			007
C-PA-008	CSO	Smith Street	Smith Street & Arthur Kill			008
C-PA-009	CSO	Gordon Street	Gordon Street & Arthur Kill			009
C-PA-010	CSO	Lewis Street	Lewis Street & Arthur Kill			010
C-PA-011	CSO	High Street	High Street & Raritan Bay			011
C-PA-012	CSO	State Street	State Street & Raritan River			012
C-PA-013	CSO	Catalpa Avenue	Catalpa Avenue & Raritan River			013
C-PA-014	CSO	Brighton Avenue	Brighton Avenue & Raritan River			014
C-PA-015	CSO	Madison Avenue	Madison Avenue & Raritan River			015
C-PA-016	CSO	1st Street	1st Street & Raritan River			016
C-PA-017	CSO	2nd Street	2nd Street & Raritan River			017
C-PA-018	CSO	Sheridan Street	Sheridan Street & Raritan River			018
C-PA-019	CSO	Outer Smith Street	Outer Smith Street & Raritan River			019
C-PA-020	CSO	Sonman's Cr.	Raritan River			020

ELIZABETH				Drain. Area		NJDEP NO.
Labels	Reg.	Regulator Location	Outfall Location	(acres) DRY WET		
C-EL-001	No. 1	Alina Street	Ft. of Alina St. & Peripheral Ditch			001
C-EL-002	No. 2	Dowd Avenue	Dowd Avenue & Great Ditch			002
C-EL-003	No. 3	Westfield Avenue	Elizabeth River			003
C-EL-005	No. 5	Westfield Avenue	Elizabeth River			005
C-EL-006	No. 6	Crane Street	Elizabeth River			006
C-EL-007	No. 7	W. Grand, E. Bank	Elizabeth River			007
C-EL-008	No. 8	W. Grand, W. Creek	Elizabeth River			008
C-EL-009	No. 9	Murray Street, E. Bank	Elizabeth River			009
C-EL-010	No.10	Murray Street, W. Bank	Elizabeth River			010
C-EL-011	No.11	Rahway Avenue, W. Bank	Elizabeth River			011
C-EL-012	No.12	Rahway Avenue, E. Bank	Elizabeth River			012
C-EL-013	No.13	S. of Rahway Avenue	Elizabeth River			013
C-EL-014	No.14	Broad Street, N. Bank	Elizabeth River			014
C-EL-015	No.15	Broad Street, N. Bank	Elizabeth River			015
C-EL-016	No.16	Broad Street, S. Bank	Elizabeth River			016
C-EL-017	No.17	Broad Street, S. Bank	Elizabeth River			017
C-EL-019	No.19	Bridge Street, S. Bank	Elizabeth River			019
C-EL-020	No.20	Bridge Street, N. Bank	Elizabeth River			020
	No.21	State Highway 25	Elizabeth River			021 a
C-EL-022	No.22	South Street, E. Bank	Elizabeth River			022
C-EL-023	No.23	South Street, W. Bank	Elizabeth River			023
C-EL-024	No.24	Norwood Terrace	Elizabeth River			024
C-EL-025	No.25	Montgomery Street	Elizabeth River			025
C-EL-026	No.26	John Street	John Street & Elizabeth River			026
C-EL-027	No.27	Summer Street	N/O Summer Street & Elizabeth River			027
C-EL-028	No.28	Summer Street	S/O Summer Street & Elizabeth River			028
C-EL-029	No.29	Elizabeth Avenue	Elizabeth Avenue & Arthur Kill			029
C-EL-030	No.30	East Jersey Street	E. Jersey Street & Arthur Kill			030
C-EL-031	No.31	Livingston Street	Livingston Street & Arthur Kill			031
C-EL-032	No.32	Magnolia Avenue	Magnolia Avenue & Arthur Kill			032
C-EL-034	No.34	Trumbull Street	Trumbull Street & Newark Bay			034
C-EL-035	No.35	3rd Avenue	3rd Avenue & Elizabeth River			035
C-EL-036	No.36	Irvington Avenue (Dod Ct.)	Elizabeth River			036
C-EL-037	No.37	Bayway	Bay Way & Arthur Kill			037
C-EL-038	No.38	Trenton Avenue, E. Bank	Trenton Avenue & Elizabeth River			038
C-EL-039	No.39	Schiller Street	Schiller Street & Great Ditch			039
C-EL-040	No.40	Pulaski Street	Pulaski Street & Elizabeth River			040
C-EL-041	No.41	Morris Avenue	Elizabeth River			041
C-EL-042	No.42	Bridge Street	Elizabeth River			042

RAHWAY				Drain. Area		NJDEP
Labels	Reg.	Regulator Location	Outfall Location	(acres)		
				DRY	WET	NO.
C-RA-001	No. 1	W. Grand Ave. & Newton St.	North Branch of Rahway River			001
C-RA-002	No. 2	Dock St. & Monroe St.	Rahway River			002
C-RA-003	No. 3	Main St. & E. Hazelwood Ave.	South Branch of Rahway River			003
C-RA-004	No. 4	Barnett St. & E. Milton Ave.	Rahway River			004





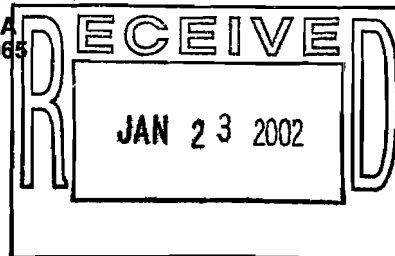


Director  
J. PETER ROSS  
Asst. Superintendent  
THOMAS A. NEWBERY

**CITY OF RAHWAY**  
**DEPARTMENT OF PUBLIC WORKS**

CITY HALL PLAZA  
RAHWAY, N.J. 07065

TELEPHONE  
(732) 827-2060  
FAX  
(732) 827-2063



January 18, 2002

New Jersey Department of Environmental Protection  
Water Compliance and Enforcement  
Central Field Office  
300 Horizon Center - Route 130 South  
CN407  
Trenton, NJ 08625-0407

Attention: Jaime C. Herzog

Re: Notice of Violation

**BAG000020**

Dear Ms. Herzog:

On January 16, 2002, you and our Pumping Station Operator, Fred Clarke, inspected a pipe under the Grand Avenue bridge and found sewage coming out of the pipe. We found this was caused by a soap blockage in the dry weather overflow.

**Remedial Action Taken:**

Fred Clarke immediately removed the soap blockage which stopped the flow of sewage into the river.

We are now checking this overflow once a week.

Very truly yours,

Thomas A. Newbery  
Assistant Superintendent of Public Works

cc: J. Peter Ross, Director of Public Works

FWE-013  
9/96

New Jersey Department of Environmental Protection  
Water Compliance and Enforcement - Central Field Office  
300 Horizon Center - Route 130 South  
CN407, Trenton, New Jersey 08625-0407  
Telephone No. (609) 584-4200 Fax No. (609) 584-4220



## NOTICE OF VIOLATION

PROGRAM NJPDES DATE: 1-16-02  
PCWS# \_\_\_\_\_ TYPE SUPPLY NJPDES # NJ \_\_\_\_\_ TYPE DISCH DSW  
NAME OF FACILITY CITY OF RAHWAY ~~SEWER~~ COMBINED SEWER SYSTEM  
LOCATION OF FACILITY GRAND AVE BRIDGE - PIPE UNDERNEATH (FORMER DSN001)  
FACILITY REPRESENTATIVE & TITLE FRED CLARKE, PUMP & STATION OPERATOR

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: 0 DRY WEATHER OVERFLOW TO  
NORTH BRANCH OF RAHWAY RIVER THROUGH PIPE LOCATED UNDER  
GRAND AVE BRIDGE. (FORMER DSN001) DUE TO SUMP BLOCKAGE  
IN REGULATOR AT WEST GRAND & NEWTON.

REMEDIAL ACTION: CEASE DISCHARGE IMMEDIATELY  
(BLOCKAGE REMOVED IMMEDIATELY UPON DISCOVERY)

The above noted violations are in violation of the following New Jersey Statutes/Regulations, 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 Water Supply & Wastewater Operators' Licensing Act (N.J.S.A. 58:11-64 et seq.) and appropriate Regulations.

Remedial action to correct these violations must be initiated immediately. Within five (5) calendar days of receipt of this Notice of Violation, you shall <sup>WRITE</sup> ~~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 \$50,000 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.

NOTICE OF VIOLATION RECEIVED BY:

Jamie C. Henck  
INVESTIGATOR, Water Compliance & Enforcement  
NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION

Fred L. Clarke Jr.

JAMIE C. HENCK

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

(201) 669-3900

January 30, 1991

Mr. Thomas K. Schimmel, Superintendent  
Rahway Water Treatment Plant  
1045 Westfield Avenue  
Rahway, New Jersey 07065

Dear Mr. Schimmel:

BAG000077

Re: City of Rahway  
VOC Contamination  
of the Rahway River

This letter is to inform you of ongoing enforcement action taken by the Metro Bureau of Regional Enforcement (MBRE) with regard to the VOC contamination problem in the Rahway River.

Enclosed you will find a written response and the most recent Compliance Evaluation Inspection report for Red Devil Corporation. Please note that the VOC contaminated discharge was eliminated on September 12, 1990.

Enforcement action involving the other NJPDES facilities mentioned during the January 17, 1991 meeting are being addressed by the MBRE Surface Water Unit. Any further questions regarding these facilities may be addressed to Ms. Janet Carroll, Acting Supervisor, Surface Water and Sewer System Enforcement, who may be reached at (201) 669-3900 or by letter through this Bureau.

If you have any further questions, please contact Rodger E. Fedak, the Senior Environmental Specialist responsible for this case at (201) 669-3900.

Very truly yours,

Gloria T. Grant,  
Acting Section Chief  
Ground Water and Safe  
Drinking Water Enforcement

E15 S25

New Jersey is an Equal Opportunity Employer

Mr. Thomas K. Schimmel, Superintendent  
Rahway Water Treatment Plant  
January 30, 1991  
Page 2

c: Nicholas DeNicholo, Killam Associates  
Peter T. Lynch, MBRE  
Janet Carroll, MBRE

Enclosure

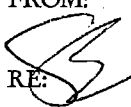
bc: Zaheer M. Hussain  
Central File  
Gloria T. Grant



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MEMORANDUM

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DATE: DECEMBER 22, 1999  
TO: FILE ROOM  
CC: NICHOLAS G. BINDER, PE, PP, ASSISTANT DIRECTOR  
MUNICIPAL FINANCE & CONSTRUCTION ELEMENT  
  
DENNIS HART, DIRECTOR  
DIVISION OF WATER QUALITY  
  
FROM: STANLEY V. CACH, JR., PE, PP, CHIEF, BEN  
MUNICIPAL FINANCE & CONSTRUCTION ELEMENT  
RE:  GENERAL PERMIT FOR COMBINED SEWER SYSTEMS  
NJPDDES NO. NJ0105023  
PROPOSAL TO RENEW

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I am forwarding to your attention a copy of the draft documents associated with the proposed renewal of the General Permit for Combined Sewer Systems. The General Permit was issued on January 27, 1995 and is due to expire on February 28, 2000. Please establish a file for the public to review this Administrative Record of the permit issuance.

Additional information may be obtained by contacting Stanley V. Cach, PE, PP, Chief, Bureau of Engineering North at (609) 292-6894 or Gautam R. Patel, Chief, Bureau of Engineering South at (609) 984-6840.

ATTACHMENTS

KLL037681

**TABLE I  
COMBINED SEWER SYSTEMS IN NEW JERSEY**

LOCAL GOVERNMENT UNIT (Total Number of CSO Points)	NUMBER OF CSO POINTS	RECEIVING WATERBODY
Bayonne, City of (33)	10	Kill van Kull
	4	Upper New York Bay
	19	Newark Bay
Camden, City of (31)	3	Newton Creek
	1	Tributary to Newton Creek
	10	Delaware River
	4	Back Channel of Delaware River
	13	Cooper River
Camden County MUA (1)	1	Delaware river
East Newark Borough (1)	1	Passaic River
Edgewater MUA (7)	7	Hudson River
Elizabeth, City of (33)	3	Peripheral Ditch
	26	Elizabeth River
	3	Arthur Kill
	1	Newark Bay
Fort Lee Borough (2)	2	Hudson River
Gloucester City (7)	6	Delaware River
	1	Newton Creek
Guttenberg, Town of (1)	1	Hudson River
Hackensack, City of (2)	2	Hackensack River
Harrison, Town of (7)	7	Passaic River
Jersey City Sewerage Authority (27)	2	Newark Bay
	1	Penhorn Creek
	9	Hackensack River
	15	Hudson River
Kearny, Town of (10)	6	Passaic River
	4	Frank's Creek
Newark, City of (30)	1	Second River
	21	Passaic River
	8	Peripheral Ditch
New Brunswick (1)	1	Raritan River
North Bergen Township (13)	7	Cromakill Creek
	1	Bellman's Creek
	1	Paunpeck Creek
	2	Penhorn Creek
	2	Hudson River
Paterson, City of (31)	31	Passaic River
Perth Amboy, City of (18)	11	Raritan River
	7	Arthur Kill (Crane Creek)
Rahway, City of (5)	3	Rahway River
	1	South Branch Rahway River
	1	Rahway River (Robinson's Branch)
Ridgefield Park Village (6)	6	Hackensack River
Hoboken-Union City-Weehawken SA (11)	11	Hudson River
Trenton Utility Authority (1)	1	Delaware River
West New York MUA (2)	2	Hudson River
<b>TOTAL NUMBER OF CSO POINTS</b>	<b>280</b>	