

The logo of the Narragansett Bay Commission is a circular emblem. It features a light blue sky with a white sun or moon in the center, a white horizontal line representing the horizon, and a dark blue sea with white waves at the bottom.

NARRAGANSETT BAY COMMISSION

GROUNDWATER DISCHARGES FROM CONSTRUCTION/REMEDIATION PROJECTS

Kerry M. Britt
Pretreatment Manager

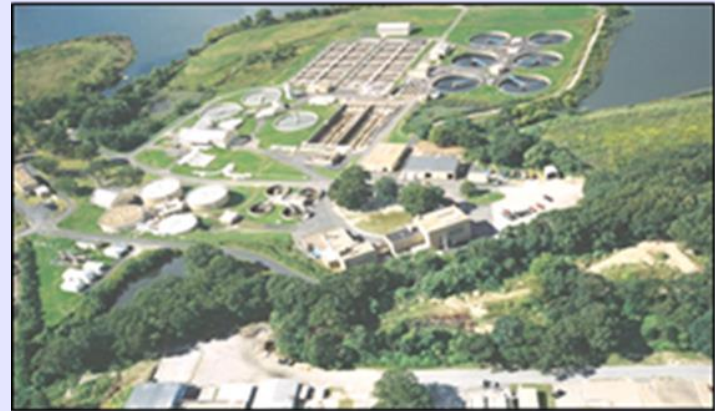
October 26, 2023

Narragansett Bay Commission

- Own and operate the two largest POTWs in RI
- Service 10 cities and towns
- 1,890 permitted users
- 65 SIUs



Field's Point Point



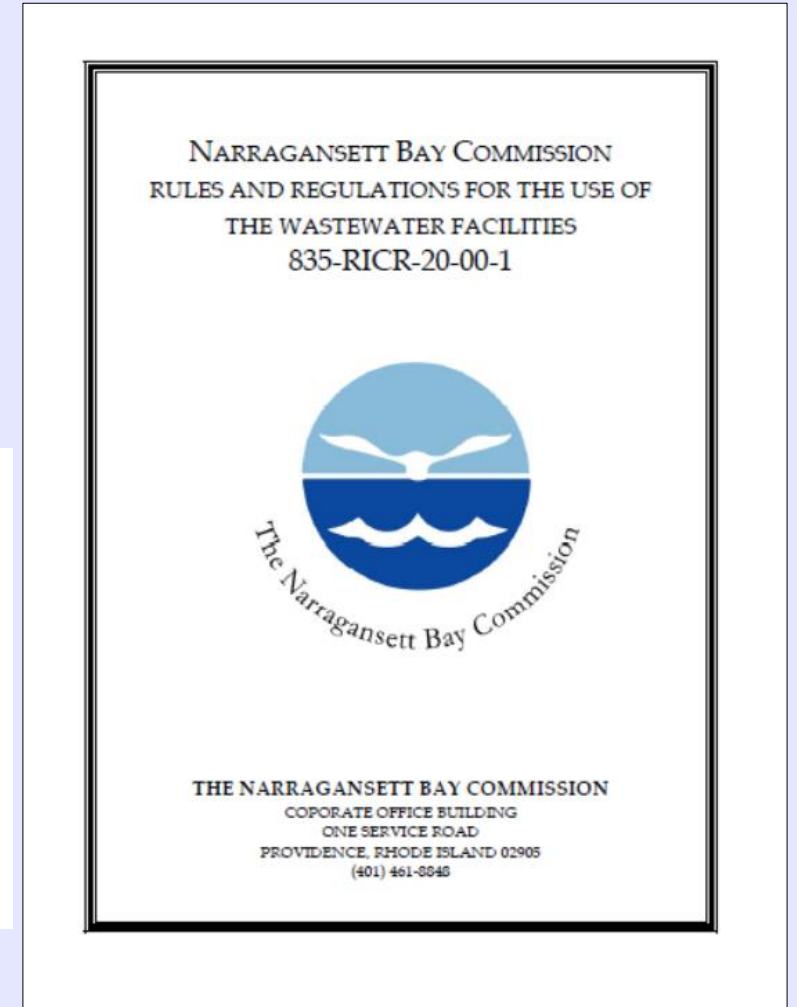
Bucklin Point

Groundwater Discharges

NBC Rules & Regulations prohibit the discharge of groundwater

1.5.6 Specific Discharge Prohibitions

- A. Certain substances are specifically prohibited from being discharged into the NBC's Facilities. These prohibited substances include, but are not limited to, the following:
 - 1. Groundwater, stormwater, and surface waters, roof runoff, tidewater, subsurface drainage, non-contact cooling water, and uncontaminated industrial process waters, unless approved by the NBC (See § 1.4 of this Part)



When NBC Does Permit Groundwater Discharges?

- NBC projects
- RI Department of Environmental Management (DEM) suggests a company redirect discharges from a surface water to the sewer due to RIPDES non-compliance
- DEM prohibits the groundwater discharge to the river

Prior to Permitting

Company Requirements

- Wastewater Discharge Permit Application
- Proposed Maximum Daily Flow
- Pretreatment System Plans
- Discharge Meter Specifications
- Monitoring Well / RIPDES Permit data
- Sewer Connection Permit Application

NBC Tasks

- Determine if there are capacity issues
- If proposed flow is greater than 75,000 gpd – **notify** DEM of substantial change
- Review meter specs
- Review plans
- Review data
- For DEM suggestions discuss with NBC Executive Director / Deputy Director

Pretreatment System Requirements

- Solids removal
 - Frac tanks
 - Filtration
 - Hay Bales
- pH Adjustment
- TTO Treatment
 - Granulated Carbon



Permit Requirements

- Flow Restrictions
- Sampling Requirements
- Record Keeping
- Notification Requirements



WASTEWATER DISCHARGE PERMIT

Permit Number: B4012-037-0328
Company Name: **JOHN ROCCHIO CORPORATION**
Permitted Facility: **Division Street & Portuguese Social Club Way, Pawtucket, RI 02860**
Facility Address: **Division Street & Portuguese Social Club Way, Pawtucket, RI 02860**
Mailing Address: **20 Lark Industrial Parkway, Smithfield, RI 02828**
Facility President: **Mr. John A. Rocchio**
Facility Authorized Agent: **Mr. John Bigden**
User Classification: **Groundwater Discharges**
Categorical Standards Applicable: **None**

By virtue of Rhode Island's General Laws Title 46 Chapter 25 (Act) and in accordance with The Narragansett Bay Commission Rules and Regulations for Use of the Wastewater Facilities (Rules and Regulations), **Mr. John A. Rocchio and John Rocchio Corporation**, hereinafter jointly referred to as **Permittee**, is hereby authorized to discharge process wastewater from the above identified facility in accordance with the terms and conditions set forth in this permit.

All discharges authorized herein must be consistent with the effluent limitations, monitoring requirements and other conditions set forth in this permit. The discharge of any pollutant not identified in this permit or any pollutant identified in this permit at a level in excess of that authorized shall constitute a violation of the permit. This permit consists of 17 pages with conditions A - T.

**This permit becomes effective upon receipt
and expires on March 31, 2028.**

Noncompliance with any term or condition of this permit shall constitute a violation of the Rules and Regulations and may subject the user to an **Administrative or Civil Penalty** of up to \$25,000 per violation per day as defined in R.I.G.L. §46-25-25.2. Willful or criminally negligent violations shall be punishable by the aforementioned fine and/or imprisonment as defined in R.I.G.L. §46-25-25.3.

Sampling Requirements

Table 2

John Rocchio Corporation
Sampling Requirements

| Sample Location #1 | | |
|---|--|--|
| Sample Port Downstream of the Pretreatment System | | |
| Week One | Weeks 2 - 5 | Monthly Starting at Week 6 Until the Expiration Date of this Permit |
| Daily | Weekly | Monthly |
| Parameters | Parameters | Parameters |
| As, Cd, Cr, Cu, Pb, Ni, Zn, CN, TSS, O&G* | As, Cd, Cr, Cu, Pb, Ni, Zn, CN, TSS, O&G* | As, Cd, Cr, Cu, Pb, Ni, Zn, CN, TSS, O&G* |

Legend **All samples are to be collected as Composite Samples**

| | | |
|---------------|-------------|---|
| As - Arsenic | Pb - Lead | TSS - Total Suspended Solids |
| Cd - Cadmium | Zn - Zinc | O&G - Total Oil and Grease (fats, oils, and grease) |
| Cr - Chromium | Ni - Nickel | |
| Cu - Copper | Ag - Silver | |
| CN - Cyanide | | |

*Four grab samples are to be collected over the course of the operating day. The mathematical average of the four (4) samples will be used to determine compliance with the NBC discharge limitation for Total Oil and Grease (fats, oils, and grease).

Permitted Remediation Projects

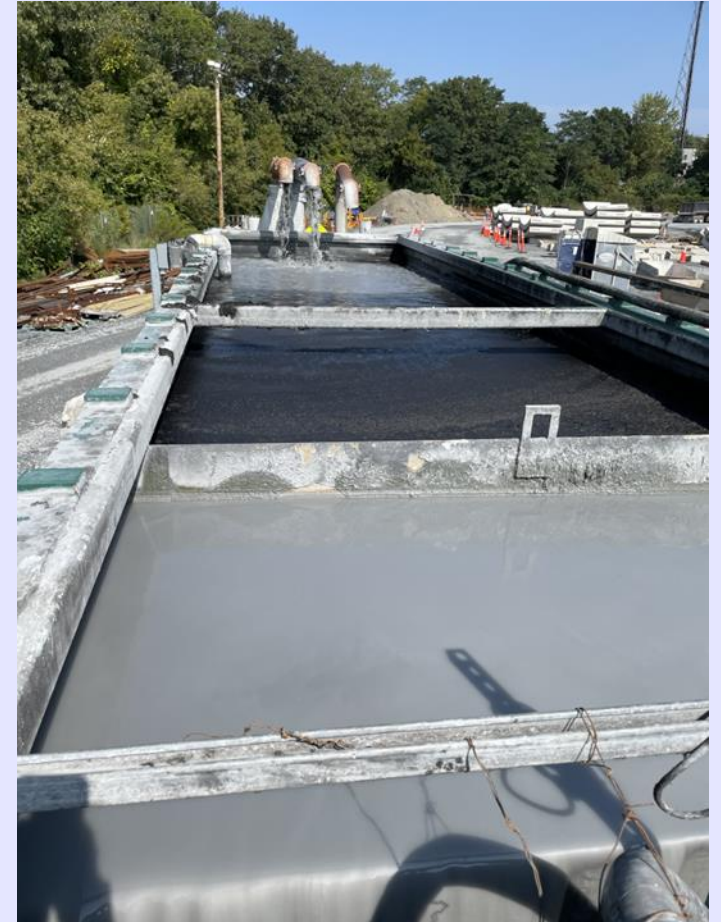
Phase III NBC CSO Tunnel Project – 5 locations

Bucklin Point Final Clarifiers

Superfund Sites – 2 locations

Remediation Projects – 1 location

NBC Phase III CSO Tunnel



Bucklin Point Final Clarifiers





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