

**Narragansett Bay Commission
Pretreatment Program
2023 Annual Report Summary**



Report Period: January 1, 2023 – December 31, 2023

Significant Industrial Users:

- 68 Total SIUs
- 32 SIUs in Field's Point
- 36 SIUs in Bucklin Point

User Permitting:

- 460 Permits issued in 2023
- 147 New permits issued to previously unpermitted firms
- 313 Revised permits issued

Inspection and Sampling Programs:

- 1,445 Non-Sampling Inspections conducted
- 240 Non-Sampling Inspections of Significant Industrial Users
- 151 Non-Sampling Inspections of Categorical Users
- 89 Non-Sampling Inspections of significant non-categorical users
- 1,205 Non-Sampling Inspections of non-significant users
- 47 Regulatory Compliance meetings held with users
- 10 Emergency/Special Investigations Conducted
- 143 User Monitoring Reports generated by NBC in 2023
- 140 NBC Sampling Inspections of Industry
- 66 Different Facilities Sampled by NBC
- 140 Monitoring Reports of Significant Users generated
- 86 Monitoring Reports of Categorical Users generated
- 54 Monitoring Reports of Significant Non-Categorical Users generated
- 3 Monitoring Reports of Non-Significant Users generated
- 289 Manhole Sampling Events Conducted
- 242 Industrial Surveillance Manhole Sampling Events Conducted
- 120 Industrial Surveillance Manholes Sampled in Bucklin Point
 - 96.7% Compliance Rate
- 122 Industrial Surveillance Manholes Sampled in Field's Point
 - 91.8% Compliance Rate
- 41 Sanitary Manhole Sampling Events Conducted

Enforcement Program:

- 2,013 Notice of Violation (NOV) Letters Issued
- 1,222 NOVs issued to Field's Point Users
- 791 NOVs issued to Bucklin Point Users
- 15 Firms Listed in February 29, 2024 Public Notice in the Providence Journal as being in Significant Non-Compliance (SNC)
- 6.3% Rate of Significant Non-Compliance (SNC) in the Field's Point District in 2023, a reduction from 39% in 1992
- 19.4% Rate of SNC in the Bucklin Point District in 2023, a reduction from 44.8% in 1994
- 13.2% Overall Rate of SNC in both districts in 2023
- Rate of Significant Non-Compliance (SNC) has been significantly reduced in both districts over the past few years through the education methods used by the Pretreatment Program

Review of User Monitoring Data:

- Pretreatment Staff Reviewed 2,169 User Monitoring Reports
- 91.1% Overall Rate of Compliance for All Significant Users
- 92.4% Overall Rate of Compliance for All Categorical Users
- 93.3% Overall Rate of Compliance for All Non-Significant Users
- 92.2% Overall Rate of Compliance for All Users
- 66.7% of EPA categorically regulated users had perfect effluent compliance records with all effluent parameters excluding pH
- 70.3% of Significant Users AND 87.6% of all users had perfect effluent compliance records with effluent pollutants excluding pH

Summary of Toxic Loadings to WWTFs**Comparison of 2022 - 2023
Annual Loadings to Field's Point**

Pollutant	2022 (Pounds)	2023 (Pounds)	Total Pound change	% Change
Total Cadmium	23.4	23.0	-0.4	-1.7%
Total Chromium	513.9	780.0	266.1	51.8%
Total Copper	3,177.0	3,928.2	751.2	23.6%
Total Lead	877.1	875.3	-1.8	-0.2%
Total Mercury	3.96	2.46	-1.50	-37.9%
Total Nickel	1,753.4	2,434.1	680.7	38.8%
Total Silver	49.5	55.9	6.4	12.9%
Total Zinc	9,927.5	11,241.2	1,313.7	13.2%
Total Metals	16,325.8	19,340.2	3,014.4	18.5%
Total Cyanide	731.3	1,042.8	311.5	42.6%

**Comparison of 2022 - 2023
Annual Loadings to the Bucklin Point**

Pollutant	2022 (Pounds)	2023 (Pounds)	Total Pound Change	% Change
Total Cadmium	7.8	9.4	1.6	20.5%
Total Chromium	289.6	233.8	-55.8	-19.3%
Total Copper	2,296.0	2,385.1	89.1	3.9%
Total Lead	207.5	257.9	50.4	24.3%
Total Mercury	1.15	1.53	0.38	33.0%
Total Nickel	752.4	797.1	44.7	5.9%
Total Silver	82.3	82.7	0.4	0.5%
Total Zinc	4,760.1	5,429.1	669.0	14.1%
Total Metals	8,396.9	9,196.6	799.7	9.5%
Total Cyanide	306.5	418.3	111.8	36.5%