

**Narragansett Bay Commission
Pretreatment Program**

2022 Annual Report Summary

Report Period: January 1, 2022 – December 31, 2022



Significant Industrial Users:

- 67 Total SIUs
- 32 SIUs in Field's Point
- 35 SIUs in Bucklin Point

User Permitting:

- 375 Permits issued in 2022
- 111 New permits issued to previously unpermitted firms
- 264 Revised permits issued

Inspection and Sampling Programs:

- 1,528 Non-Sampling Inspections conducted
- 234 Non-Sampling Inspections of Significant Industrial Users
- 154 Non-Sampling Inspections of Categorical Users
- 80 Non-Sampling Inspections of significant non-categorical users
- 1,294 Non-Sampling Inspections of non-significant users
- 32 Regulatory Compliance meetings held with users
- 21 Emergency/Special Investigations Conducted
- 150 User Monitoring Reports generated by NBC in 2022
- 145 NBC Sampling Inspections of Industry
- 68 Different Facilities Sampled by NBC
- 148 Monitoring Reports of Significant Users generated
- 86 Monitoring Reports of Categorical Users generated
- 62 Monitoring Reports of Significant Non-Categorical Users generated
- 2 Monitoring Reports of Non-Significant Users generated
- 302 Manhole Sampling Events Conducted
- 253 Industrial Surveillance Manhole Sampling Events Conducted
- 131 Industrial Surveillance Manholes Sampled in Bucklin Point
 - 93.4% Compliance Rate
- 122 Industrial Surveillance Manholes Sampled in Field's Point
 - 91.8% Compliance Rate
- 37 Sanitary Manhole Sampling Events Conducted

Enforcement Program:

- 1,879 Notice of Violation (NOV) Letters Issued
- 1,122 NOVs issued to Field's Point Users
- 757 NOVs issued to Bucklin Point Users
- 28 Firms Listed in February 24, 2023 Public Notice in the Providence Journal as being in Significant Non-Compliance (SNC)
- 9.4% Rate of Significant Non-Compliance (SNC) in the Field's Point District in 2022, a reduction from 39% in 1992
- 17.1% Rate of SNC in the Bucklin Point District in 2022, a reduction from 44.8% in 1994
- 13.4% Overall Rate of SNC in both districts in 2022
- 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 2,208 User Monitoring Reports
- 93.0% Overall Rate of Compliance for All Significant Users
- 97.0% Overall Rate of Compliance for All Categorical Users
- 95.2% Overall Rate of Compliance for All Non-Significant Users
- 94.1% Overall Rate of Compliance for All Users
- 71.8% of EPA categorically regulated users had perfect effluent compliance records with all effluent parameters excluding pH
- 68.2% of Significant Users AND 87.5% of all users had perfect effluent compliance records with effluent pollutants excluding pH

Summary of Toxic Loadings to WWTFs**Comparison of 2021 - 2022
Annual Loadings to Field's Point**

Pollutant	2021 (Pounds)	2022 (Pounds)	Total Pound change	% Change
Total Cadmium	24.1	23.4	-0.7	-2.9%
Total Chromium	485.3	513.9	28.6	5.9%
Total Copper	3,817.8	3,177.0	-640.8	-16.8%
Total Lead	827.2	877.1	49.9	6.0%
Total Mercury	3.53	3.96	0.43	12.2%
Total Nickel	2,062.2	1,753.4	-308.8	-15.0%
Total Silver	54.9	49.5	-5.4	-9.8%
Total Zinc	10,680.9	9,927.5	-753.4	-7.1%
Total Metals	17,955.9	16,325.8	-1,630.1	-9.1%
Total Cyanide	923.4	731.3	-192.1	-20.8%

**Comparison of 2021 - 2022
Annual Loadings to the Bucklin Point**

Pollutant	2021 (Pounds)	2022 (Pounds)	Total Pound Change	% Change
Total Cadmium	8.8	7.8	-1.0	-11.4%
Total Chromium	263.8	289.6	25.8	9.8%
Total Copper	2,738.7	2,296.0	-442.7	-16.2%
Total Lead	224.3	207.5	-16.8	-7.5%
Total Mercury	1.64	1.15	-0.47	-29.0%
Total Nickel	735.0	752.4	17.4	2.4%
Total Silver	116.8	82.3	-34.5	-29.5%
Total Zinc	5,286.8	4,760.1	-526.7	-10.0%
Total Metals	9,375.8	8,396.9	-978.9	-10.4%
Total Cyanide	410.6	306.5	-104.1	-25.4%