

**Narragansett Bay Commission
Pretreatment Program**

2021 Annual Report Summary

Report Period: January 1, 2021 – December 31, 2021



Significant Industrial Users:

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

User Permitting:

- 420 Permits issued in 2021
- 91 New permits issued to previously unpermitted firms
- 329 Revised permits issued

Inspection and Sampling Programs:

- 1,257 Non-Sampling Inspections conducted
- 229 Non-Sampling Inspections of Significant Industrial Users
- 145 Non-Sampling Inspections of Categorical Users
- 84 Non-Sampling Inspections of significant non-categorical users
- 1,028 Non-Sampling Inspections of non-significant users
- 19 Regulatory Compliance meetings held with users
- 23 Emergency/Special Investigations Conducted
- 172 User Monitoring Reports generated by NBC in 2021
- 163 NBC Sampling Inspections of Industry
- 73 Different Facilities Sampled by NBC
- 137 Monitoring Reports of Significant Users generated
- 75 Monitoring Reports of Categorical Users generated
- 72 Monitoring Reports of Significant Non-Categorical Users generated
- 11 Monitoring Reports of Non-Significant Users generated
- 274 Manhole Sampling Events Conducted
- 231 Industrial Surveillance Manhole Sampling Events Conducted
- 127 Industrial Surveillance Manholes Sampled in Bucklin Point
 - 93.7% Compliance Rate
- 111 Industrial Surveillance Manholes Sampled in Field's Point
 - 95.6% Compliance Rate
- 36 Sanitary Manhole Sampling Events Conducted

Enforcement Program:

- 1,863 Notice of Violation (NOV) Letters Issued
- 1,141 NOVs issued to Field's Point Users
- 722 NOVs issued to Bucklin Point Users
- 21 Firms Listed in February 28, 2022 Public Notice in the Providence Journal as being in Significant Non-Compliance (SNC)
- 8.6% Rate of Significant Non-Compliance (SNC) in the Field's Point District in 2021, a reduction from 39% in 1992
- 9.4% Rate of SNC in the Bucklin Point District in 2021, a reduction from 44.8% in 1994
- 9.0% Overall Rate of SNC in both districts in 2021
- 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 2,189 User Monitoring Reports
- 85.6% Overall Rate of Compliance for All Significant Users
- 94.0% Overall Rate of Compliance for All Categorical Users
- 93.3% Overall Rate of Compliance for All Non-Significant Users
- 89.6% Overall Rate of Compliance for All Users
- 67.5% of EPA categorically regulated users had perfect effluent compliance records with all effluent parameters excluding pH
- 71.2% of Significant Users AND 86.8% of all users had perfect effluent compliance records with effluent pollutants excluding pH

Summary of Toxic Loadings to WWTFs

Comparison of 2020-2021 Annual Loadings to Field's Point

Pollutant	2020 (Pounds)	2021 (Pounds)	Total Pound change	% Change
Total Cadmium	22.6	24.1	1.5	6.6%
Total Chromium	472.1	485.3	13.2	2.8%
Total Copper	4,036.7	3817.8	-218.9	-5.4%
Total Lead	948.0	827.2	-120.8	12.7%
Total Mercury	2.76	3.53	0.77	27.9%
Total Nickel	2,023.7	2062.2	38.5	1.9%
Total Silver	84.4	54.9	-29.5	-35.0%
Total Zinc	10,468.5	10,680.9	212.4	2.0%
Total Metals	18,058.8	17,955.9	-102.9	-0.6%
Total Cyanide	684.8	923.4	238.6	34.8%

Comparison of 2020-2021 Annual Loadings to the Bucklin Point

Pollutant	2020 (Pounds)	2021 (Pounds)	Total Pound Change	% Change
Total Cadmium	10.0	8.8	-1.2	-12.0%
Total Chromium	218.1	263.8	45.7	21.0%
Total Copper	2,685.8	2738.7	52.9	2.0%
Total Lead	245.8	224.3	21.5	-8.7%
Total Mercury	1.20	1.64	0.42	35.0%
Total Nickel	705.1	735.0	29.9	4.2%
Total Silver	86.3	116.8	30.5	35.3%
Total Zinc	5,467.2	5,286.8	-180.4	-3.3%
Total Metals	9,419.5	9375.8	-43.7	-0.5%
Total Cyanide	278.9	410.6	131.7	47.2%