

**Narragansett Bay Commission
Pretreatment Program
2020 Annual Report Summary**



Report Period: January 1, 2020 – December 31, 2020

Significant Industrial Users:

- 62 Total SIUs
- 30 SIUs in Field's Point
- 32 SIUs in Bucklin Point

User Permitting:

- 362 Permits issued in 2020
- 94 New permits issued to previously unpermitted firms
- 268 Revised permits issued

Inspection and Sampling Programs:

- 673 Non-Sampling Inspections conducted
- 139 Non-Sampling Inspections of Significant Industrial Users
- 92 Non-Sampling Inspections of Categorical Users
- 47 Non-Sampling Inspections of significant non-categorical users
- 534 Non-Sampling Inspections of non-significant users
- 11 Regulatory Compliance meetings held with users
- 16 Emergency/Special Investigations Conducted
- 94 User Monitoring Reports generated by NBC in 2020
- 86 NBC Sampling Inspections of Industry
- 67 Different Facilities Sampled by NBC
- 86 Monitoring Reports of Significant Users generated
- 48 Monitoring Reports of Categorical Users generated
- 32 Monitoring Reports of Significant Non-Categorical Users generated
- 6 Monitoring Reports of Non-Significant Users generated
- 163 Manhole Sampling Events Conducted
- 136 Industrial Surveillance Manhole Sampling Events Conducted
- 66 Industrial Surveillance Manholes Sampled in Bucklin Point
 - 89.4% Compliance Rate
- 70 Industrial Surveillance Manholes Sampled in Field's Point
 - 84.3% Compliance Rate
- 22 Sanitary Manhole Sampling Events Conducted

Enforcement Program:

- 1,875 Notice of Violation (NOV) Letters Issued
- 1,247 NOV's issued to Field's Point Users
- 628 NOV's issued to Bucklin Point Users
- 12 Firms Listed in February 25, 2021 Public Notice in the Providence Journal as being in Significant Non-Compliance (SNC)
- 3.3% Rate of Significant Non-Compliance (SNC) in the Field's Point District in 2020, a reduction from 39% in 1992
- 9.4% Rate of SNC in the Bucklin Point District in 2020, a reduction from 44.8% in 1994
- 6.5% Overall Rate of SNC in both districts in 2020
- 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 2,198 User Monitoring Reports
- 86.9% Overall Rate of Compliance for All Significant Users
- 98.1% Overall Rate of Compliance for All Categorical Users
- 91.5% Overall Rate of Compliance for All Non-Significant Users
- 89.3% Overall Rate of Compliance for All Users
- 84.2% of EPA categorically regulated users had perfect effluent compliance records with all effluent parameters excluding pH
- 77.0% of Significant Users AND 86.0% of all users had perfect effluent compliance records with effluent pollutants excluding pH

Summary of Toxic Loadings to WWTFs

Comparison of 2019-2020 Annual Loadings to Field's Point

Pollutant	2019 (Pounds)	2020 (Pounds)	Total Pound change	% Change
Total Cadmium	31.6	22.6	-9.0	-28.5%
Total Chromium	601.9	472.1	-129.8	-21.6%
Total Copper	4,098.2	4,036.7	-61.5	-1.5%
Total Lead	1,174.2	948.0	-226.2	-19.3%
Total Mercury	3.5	2.76	-0.74	-21.1%
Total Nickel	2,983.8	2,023.7	-960.1	-32.2%
Total Silver	90.7	84.4	-6.3	-6.9%
Total Zinc	11,797.4	10,468.5	-1,328.9	-11.3%
Total Metals	20,781.3	18,058.8	-2,722.5	-13.1%
Total Cyanide	1,061.2	684.8	-376.4	-35.5%

Comparison of 2019-2020 Annual Loadings to the Bucklin Point

Pollutant	2019 (Pounds)	2020 (Pounds)	Total Pound Change	% Change
Total Cadmium	10.9	10.0	-0.9	-8.3%
Total Chromium	392.2	218.1	-174.1	-44.4%
Total Copper	2,976.6	2,685.8	-290.8	-9.8%
Total Lead	302.7	245.8	-56.9	-18.8%
Total Mercury	2.28	1.20	-1.08	-47.4%
Total Nickel	931.0	705.1	-225.9	-24.3%
Total Silver	98.8	86.3	-12.5	-12.7%
Total Zinc	5,977.1	5,467.2	-509.9	-8.5%
Total Metals	10,691.6	9,419.5	-1,272.1	-11.9%
Total Cyanide	407.6	278.9	-128.7	-31.6%