

**Narragansett Bay Commission  
Pretreatment Program**

**2019 Annual Report Summary**

**Report Period: January 1, 2019 – December 31, 2019**



**Significant Industrial Users:**

- 68 Total SIUs
- 34 SIUs in Field's Point
- 34 SIUs in Bucklin Point

**User Permitting:**

- 439 Permits issued in 2019
- 141 New permits issued to previously unpermitted firms
- 298 Revised permits issued

**Inspection and Sampling Programs:**

- 1,834 Non-Sampling Inspections conducted
- 264 Non-Sampling Inspections of Significant Industrial Users
- 173 Non-Sampling Inspections of Categorical Users
- 91 Non-Sampling Inspections of significant non-categorical users
- 1,510 Non-Sampling Inspections of non-significant users
- 37 Regulatory Compliance meetings held with users
- 25 Emergency/Special Investigations Conducted
- 161 User Monitoring Reports generated by NBC in 2019
- 153 NBC Sampling Inspections of Industry
- 72 Different Facilities Sampled by NBC
- 148 Monitoring Reports of Significant Users generated
- 92 Monitoring Reports of Categorical Users generated
- 56 Monitoring Reports of Significant Non-Categorical Users generated
- 13 Monitoring Reports of Non-Significant Users generated
- 289 Manhole Sampling Events Conducted
- 240 Industrial Surveillance Manhole Sampling Events Conducted
- 100 Industrial Surveillance Manholes Sampled in Bucklin Point
  - 94.0% Compliance Rate
- 140 Industrial Surveillance Manholes Sampled in Field's Point
  - 85.7% Compliance Rate
- 36 Sanitary Manhole Sampling Events Conducted

**Enforcement Program:**

- 1,629 Notice of Violation (NOV) Letters Issued
- 1,052 NOVs issued to Field's Point Users
- 577 NOVs issued to Bucklin Point Users
- 9 Firms Listed in February 22, 2019 Public Notice in the Providence Journal as being in Significant Non-Compliance (SNC)
- 2.9% Rate of Significant Non-Compliance (SNC) in the Field's Point District in 2019, a reduction from 39% in 1992
- 5.9% Rate of SNC in the Bucklin Point District in 2019, a reduction from 44.8% in 1994
- 4.4% Overall Rate of SNC in both districts in 2019
- 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 2,294 User Monitoring Reports
- 94.9% Overall Rate of Compliance for All Significant Users
- 97.7% Overall Rate of Compliance for All Categorical Users
- 93.2% Overall Rate of Compliance for All Non-Significant Users
- 94.0% Overall Rate of Compliance for All Users
- 68.3% of EPA categorically regulated users had perfect effluent compliance records with all effluent parameters excluding pH
- 69.7% 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 2018-2019 Annual Loadings to Field's Point

Pollutant	2018 (Pounds)	2019 (Pounds)	Total Pound change	% Change
Total Cadmium	33.9	31.6	-2.3	-6.8%
Total Chromium	697.5	601.9	-95.6	-13.7%
Total Copper	4,682.8	4,098.2	-584.6	-12.5%
Total Lead	1,100.4	1,174.2	73.8	6.7%
Total Mercury	2.1	3.5	1.4	65.9%
Total Nickel	3,270.3	2,983.8	-286.5	-8.8%
Total Silver	108.9	90.7	-18.2	-16.7%
Total Zinc	13,258.9	11,797.4	-1,488.5	-11.2%
Total Metals	21,181.8	20,781.3	-2,400.5	-10.4%
Total Cyanide	2,120.8	1,061.2	-1,059.6	-50.0%

#### Comparison of 2018-2019 Annual Loadings to the Bucklin Point

Pollutant	2018 (Pounds)	2019 (Pounds)	Total Pound Change	% Change
Total Cadmium	12.1	10.9	-1.2	-9.9%
Total Chromium	393.0	392.2	-0.8	-0.2%
Total Copper	2,645.5	2,976.6	331.1	12.5%
Total Lead	297.8	302.7	4.9	1.6%
Total Mercury	1.34	2.28	0.94	70.1%
Total Nickel	718.1	931.0	212.9	29.6%
Total Silver	76.0	98.8	22.8	30.0%
Total Zinc	5,599.1	5,977.1	378.0	6.8%
Total Metals	9,742.9	10,691.6	948.6	9.7%
Total Cyanide	497.7	407.6	-90.1	-18.1%