

**Narragansett Bay Commission  
Pretreatment Program**

**2018 Annual Report Summary**

**Report Period: January 1, 2018 – December 31, 2018**



**Significant Industrial Users:**

- 71 Total SIUs
- 36 SIUs in Field's Point
- 35 SIUs in Bucklin Point

**User Permitting:**

- 443 Permits issued in 2018
- 141 New permits issued to previously unpermitted firms
- 302 Revised permits issued

**Inspection and Sampling Programs:**

- 1,847 Non-Sampling Inspections conducted
- 271 Non-Sampling Inspections of Significant Industrial Users
- 169 Non-Sampling Inspections of Categorical Users
- 102 Non-Sampling Inspections of significant non-categorical users
- 1,576 Non-Sampling Inspections of non-significant users
- 43 Regulatory Compliance meetings held with users
- 22 Emergency/Special Investigations Conducted
- 174 User Monitoring Reports generated by NBC in 2018
- 165 NBC Sampling Inspections of Industry
- 75 Different Facilities Sampled by NBC
- 165 Monitoring Reports of Significant Users generated
- 104 Monitoring Reports of Categorical Users generated
- 61 Monitoring Reports of Significant Non-Categorical Users generated
- 9 Monitoring Reports of Non-Significant Users generated
- 325 Manhole Sampling Events Conducted
- 264 Industrial Surveillance Manhole Sampling Events Conducted
- 138 Industrial Surveillance Manholes Sampled in Bucklin Point
  - 99.3% Compliance Rate
- 126 Industrial Surveillance Manholes Sampled in Field's Point
  - 86.5% Compliance Rate
- 45 Sanitary Manhole Sampling Events Conducted

**Enforcement Program:**

- 1,731 Notice of Violation (NOV) Letters Issued
- 1,229 NOVs issued to Field's Point Users
- 502 NOVs issued to Bucklin Point Users
- 7 Firms Listed in February 22, 2019 Public Notice in the Providence Journal as being in Significant Non-Compliance (SNC)
- 8.3% Rate of Significant Non-Compliance (SNC) in the Field's Point District in 2018, a reduction from 39% in 1992
- 2.9% Rate of SNC in the Bucklin Point District in 2018, a reduction from 44.8% in 1994
- 5.6% Overall Rate of SNC in both districts in 2018
- 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 2,466 User Monitoring Reports
- 93.5% Overall Rate of Compliance for All Significant Users
- 95.3% Overall Rate of Compliance for All Categorical Users
- 95.8% Overall Rate of Compliance for All Non-Significant Users
- 94.7% Overall Rate of Compliance for All Users
- 57.1% of EPA categorically regulated users had perfect effluent compliance records with all effluent parameters excluding pH
- 60.0% of Significant Users AND 90.4% of all users had perfect effluent compliance records with effluent pollutants excluding pH

### Summary of Toxic Loadings to WWTFs

#### Comparison of 2017-2018 Annual Loadings to Field's Point

Pollutant	2017 (Pounds)	2018 (Pounds)	Total Pound change	% Change
<b>Total Cadmium</b>	302.8	33.9	-268.9	-88.8%
<b>Total Chromium</b>	1,502.3	697.5	-804.8	-53.6%
<b>Total Copper</b>	5,288.1	4,682.8	-605.3	-11.4%
<b>Total Lead</b>	1,643.8	1,100.4	-543.4	-33.1%
<b>Total Mercury</b>	4.8	2.1	-2.7	-56.3%
<b>Total Nickel</b>	2,667.8	3,270.3	602.5	22.6%
<b>Total Silver</b>	487.7	108.9	-378.8	-77.7%
<b>Total Zinc</b>	13,966.3	13,258.9	-680.4	-4.9%
<b>Total Metals</b>	25,863.6	21,181.8	-2,681.8	-10.4%
<b>Total Cyanide</b>	1,350.4	2120.8	770.4	57.0%

#### Comparison of 2017-2018 Annual Loadings to the Bucklin Point

Pollutant	2017 (Pounds)	2018 (Pounds)	Total Pound Change	% Change
<b>Total Cadmium</b>	133.1	12.1	-121.0	-90.9%
<b>Total Chromium</b>	767.9	393.0	-374.9	-48.8%
<b>Total Copper</b>	3,029.1	2,645.5	-383.6	-12.7%
<b>Total Lead</b>	567.6	297.8	-269.8	-47.5%
<b>Total Mercury</b>	2.36	1.34	-1.02	-43.2%
<b>Total Nickel</b>	1,280.3	718.1	-562.2	-43.9%
<b>Total Silver</b>	219.9	76.0	-143.9	-65.4%
<b>Total Zinc</b>	5,574.7	5,599.1	24.4	0.4%
<b>Total Metals</b>	11,575.0	9,742.9	-1,832.1	-15.8%
<b>Total Cyanide</b>	356.2	497.7	141.5	39.7%