

**Narragansett Bay Commission
Pretreatment Program**

2017 Annual Report Summary

Report Period: January 1, 2017 – December 31, 2017



Significant Industrial Users:

- 73 Total SIUs
- 37 SIUs in Field's Point
- 36 SIUs in Bucklin Point

User Permitting:

- 351 Permits issued in 2017
- 87 New permits issued to previously unpermitted firms
- 264 Revised permits issued

Inspection and Sampling Programs:

- 2,045 Non-Sampling Inspections conducted
- 293 Non-Sampling Inspections of Significant Industrial Users
- 194 Non-Sampling Inspections of Categorical Users
- 99 Non-Sampling Inspections of significant non-categorical users
- 1,752 Non-Sampling Inspections of non-significant users
- 37 Regulatory Compliance meetings held with users
- 17 Emergency/Special Investigations Conducted
- 182 User Monitoring Reports generated by NBC in 2017
- 163 NBC Sampling Inspections of Industry
- 77 Different Facilities Sampled by NBC
- 182 Monitoring Reports of Significant Users generated
- 93 Monitoring Reports of Categorical Users generated
- 59 Monitoring Reports of Significant Non-Categorical Users generated
- 13 Monitoring Reports of Non-Significant Users generated
- 363 Manhole Sampling Events Conducted
- 290 Industrial Surveillance Manhole Sampling Events Conducted
- 183 Industrial Surveillance Manholes Sampled in Bucklin Point
 - 95.6% Compliance Rate
- 130 Industrial Surveillance Manholes Sampled in Field's Point
 - 90.8% Compliance Rate
- 39 Sanitary Manhole Sampling Events Conducted

Enforcement Program:

- 1664 Notice of Violation (NOV) Letters Issued
- 1,160 NOVs issued to Field's Point Users
- 504 NOVs issued to Bucklin Point Users
- 9 Firms Listed in February 23, 2018 Public Notice in the Providence Journal as being in Significant Non-Compliance (SNC)
- 5.4% Rate of Significant Non-Compliance (SNC) in the Field's Point District in 2017, a reduction from 39% in 1992
- 2.8% Rate of SNC in the Bucklin Point District in 2017, a reduction from 44.8% in 1994
- 4.1% Overall Rate of SNC in both districts in 2017
- 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 2,519 User Monitoring Reports
- 96.3% Overall Rate of Compliance for All Significant Users
- 97.7% Overall Rate of Compliance for All Categorical Users
- 95.3% Overall Rate of Compliance for All Non-Significant Users
- 94.4% Overall Rate of Compliance for All Users
- 72.3% of EPA categorically regulated users had perfect effluent compliance records with all effluent parameters excluding pH
- 70.4% of Significant Users AND 90.2% of all users had perfect effluent compliance records with effluent pollutants excluding pH

Summary of Toxic Loadings to WWTFs**Comparison of 2016-2017
Annual Loadings to Field's Point**

Pollutant	2016 (Pounds)	2017 (Pounds)	Total Pound change	% Change
Total Cadmium	290.9	302.8	11.9	4.1%
Total Chromium	1,251.8	1,502.3	250.5	20.0%
Total Copper	5,047.7	5,288.1	240.4	4.8%
Total Lead	1,348.2	1,643.8	295.6	21.9%
Total Mercury	5.02	4.8	-0.2	-4.0%
Total Nickel	2,955.8	2,667.8	-288.0	-9.7%
Total Silver	469.2	487.7	18.5	3.9%
Total Zinc	13,036.7	13,966.3	929.6	7.1%
Total Metals	24,405.3	25,863.6	1,458.3	6.0%
Total Cyanide	1,132.3	1,350.4	218.8	19.3%

**Comparison of 2016-2017
Annual Loadings to the Bucklin Point**

Pollutant	2016 (Pounds)	2017 (Pounds)	Total Pound Change	% Change
Total Cadmium	124.0	133.1	9.1	7.3%
Total Chromium	607.5	767.9	160.4	26.4%
Total Copper	3,252.0	3,029.1	-222.9	-6.9%
Total Lead	508.7	567.6	58.9	11.6%
Total Mercury	2.37	2.36	-0.01	-0.4%
Total Nickel	954.6	1,280.3	325.7	34.1%
Total Silver	205.8	219.9	14.1	6.9%
Total Zinc	5,783.8	5,574.7	-209.1	-3.6%
Total Metals	11,438.8	11,575.0	136.2	1.2%
Total Cyanide	282.5	356.2	73.7	26.1%