

**Narragansett Bay Commission
Pretreatment Program**

2016 Annual Report Summary

Report Period: January 1, 2016 – December 31, 2016



Significant Industrial Users:

- 71 Total SIUs
- 37 SIUs in Field's Point
- 34 SIUs in Bucklin Point

User Permitting:

- 388 Permits issued in 2016
- 138 New permits issued to previously unpermitted firms
- 250 Revised permits issued

Inspection and Sampling Programs:

- 2,032 Non-Sampling Inspections conducted
- 268 Non-Sampling Inspections of Significant Industrial Users
- 187 Non-Sampling Inspections of Categorical Users
- 81 Non-Sampling Inspections of significant non-categorical users
- 1,764 Non-Sampling Inspections of non-significant users
- 50 Regulatory Compliance meetings held with users
- 21 Emergency/Special Investigations Conducted
- 194 User Monitoring Reports generated by NBC in 2016
- 188 NBC Sampling Inspections of Industry
- 69 Different Facilities Sampled by NBC
- 175 Monitoring Reports of Significant Users generated
- 108 Monitoring Reports of Categorical Users generated
- 67 Monitoring Reports of Significant Non-Categorical Users generated
- 13 Monitoring Reports of Non-Significant Users generated
- 336 Manhole Sampling Events Conducted
- 290 Industrial Surveillance Manhole Sampling Events Conducted
- 125 Industrial Surveillance Manholes Sampled in Bucklin Point
 - 96.0% Compliance Rate
- 165 Industrial Surveillance Manholes Sampled in Field's Point
 - 88.5% Compliance Rate
- 46 Sanitary Manhole Sampling Events Conducted

Enforcement Program:

- 1,878 Notice of Violation (NOV) Letters Issued
- 1,285 NOVs issued to Field's Point Users
- 593 NOVs issued to Bucklin Point Users
- 11 Firms Listed in February 23, 2017 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 2016, a reduction from 39% in 1992
- 8.8% Rate of SNC in the Bucklin Point District in 2016, a reduction from 44.8% in 1994
- 7.0% Overall Rate of SNC in both districts in 2016
- 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 2,660 User Monitoring Reports
- 94.2% Overall Rate of Compliance for All Significant Users
- 96.9% Overall Rate of Compliance for All Categorical Users
- 94.5% Overall Rate of Compliance for All Non-Significant Users
- 94.4% Overall Rate of Compliance for All Users
- 71.1% of EPA categorically regulated users had perfect effluent compliance records with all effluent parameters excluding pH
- 71.4% of Significant Users AND 90.8% of all users had perfect effluent compliance records with effluent pollutants excluding pH

Summary of Toxic Loadings to WWTFs**Comparison of 2015-2016
Annual Loadings to Field's Point**

Pollutant	2015 (Pounds)	2016 (Pounds)	Total Pound change	% Change
Total Cadmium	310.2	290.9	-19.3	-6.2%
Total Chromium	1,290.2	1,251.8	-38.4	-3.0%
Total Copper	5,458.2	5,047.7	-410.5	-7.5%
Total Lead	1,492.8	1,348.2	-144.6	-9.7%
Total Mercury	4.96	5.02	0.06	1.2%
Total Nickel	2,728.5	2,955.8	227.3	8.3%
Total Silver	470.0	469.2	-0.8	-0.2%
Total Zinc	14,608.7	13,036.7	-1,572.0	-10.8%
Total Metals	26,363.6	14,405.3	-1,958.4	-7.4%
Total Cyanide	1,127.1	1,132.3	5.2	0.5%

**Comparison of 2015-2016
Annual Loadings to the Bucklin Point**

Pollutant	2015 (Pounds)	2016 (Pounds)	Total Pound Change	% Change
Total Cadmium	135.5	124.0	-11.2	-8.3%
Total Chromium	644.9	607.5	-37.4	-5.8%
Total Copper	4,096.6	3,252.0	-844.6	-20.6%
Total Lead	560.7	508.7	-52.0	-9.3%
Total Mercury	2.6	2.4	-0.2	-7.7%
Total Nickel	987.3	954.6	-32.7	-3.3%
Total Silver	217.2	205.8	-11.4	-5.2%
Total Zinc	6756.8	5,783.8	-973.0	-14.4%
Total Metals	13,401.3	11,438.8	-1,962.5	-14.6%
Total Cyanide	351.0	282.5	-68.5	19.5%