

**Narragansett Bay Commission
Pretreatment Program**

2013 Annual Report Summary



Report Period: January 1, 2013 – December 31, 2013

Significant Industrial Users:

- 89 Total SIUs
- 48 SIUs in Field's Point
- 41 SIUs in Bucklin Point

User Permitting:

- 449 Permits issued in 2013
- 154 New permits issued to previously unpermitted firms
- 295 Revised permits issued

Inspection and Sampling Programs:

- 1,957 Non-Sampling Inspections conducted
- 350 Non-Sampling Inspections of Significant Industrial Users
- 238 Non-Sampling Inspections of categorical users
- 112 Non-Sampling Inspections of significant non-categorical users
- 1,607 Non-Sampling Inspections of non-significant users
- 67 Regulatory Compliance meetings held with users
- 34 Emergency/Special Investigations Conducted
- 231 User Monitoring Reports generated by NBC in 2013
- 225 NBC Sampling Inspections of Industry
- 97 Different Facilities Sampled by NBC
- 216 Monitoring Reports of Significant Users generated
- 140 Monitoring Reports of Categorical Users generated
- 76 Monitoring Reports of Significant Non-Categorical Users generated
- 15 Monitoring Reports of Non-Significant Users generated
- 359 Manhole Sampling Events Conducted
- 310 Industrial Surveillance Manhole Sampling Events Conducted
- 196 Industrial Surveillance Manholes Sampled in Bucklin Point
 - 98.0% Compliance Rate
- 114 Industrial Surveillance Manholes Sampled in Field's Point
 - 95.6% Compliance Rate
- 34 Sanitary Manhole Sampling Events Conducted

Enforcement Program:

- 1,766 Notice of Violation (NOV) Letters Issued
- 1,145 NOVs issued to Field's Point Users
- 621 NOVs issued to Bucklin Point Users
- 14 Firms Listed in February 20, 2014 Public Notice in the Providence Journal as being in Significant Non-Compliance (SNC)
- 6.3% Rate of Significant Non-Compliance (SNC) in the Field's Point District in 2013, a reduction from 39% in 1992
- 9.8% Rate of SNC in the Bucklin Point District in 2013, a reduction from 44.8% in 1994
- 7.9% Overall Rate of SNC in both districts in 2013

Review of User Monitoring Data:

- Pretreatment Staff Reviewed 2,943 User Monitoring Reports
- 95.9% Overall Rate of Compliance for All Significant Users
- 95.1% Overall Rate of Compliance for All Categorical Users
- 96.6% Overall Rate of Compliance for All Non-Significant Users
- 96.3% Overall Rate of Compliance for All Users
- 64.9% of EPA categorically regulated users had perfect effluent compliance records with all effluent parameters excluding pH
- 69.7% of Significant Users AND 90.1% of all users had perfect effluent compliance records with effluent pollutants excluding pH
- Rate of Significant Non-Compliance (SNC) has been significantly reduced in both districts over the past few years through Pretreatment's User Education Methods

Summary of Toxic Loadings to WWTFs

Comparison of 2012-2013 Annual Loadings to Field's Point

Pollutant	2012 (Pounds)	2013 (Pounds)	Total Pound change	% Change
Total Cadmium	314.3	325.0	10.7	3.4%
Total Chromium	1,482.0	1,542.6	60.6	4.1%
Total Copper	4,780.0	5,024.3	244.3	5.1%
Total Lead	1,383.0	1,512.3	129.3	9.3%
Total Mercury	5.68	5.73	0.05	0.9%
Total Nickel	2,814.8	2,605.3	-209.5	-7.4%
Total Silver	508.6	521.8	13.2	2.6%
Total Zinc	11,281.9	11,387.1	105.2	0.9%
Total Metals	22,570.3	22,924.1	353.8	1.6%
Total Cyanide	1,133.9	1,544.3	410.4	36.2%

Comparison of 2012-2013 Annual Loadings to the Bucklin Point

Pollutant	2012 (Pounds)	2013 (Pounds)	Total Pound Change	% Change
Total Cadmium	135.6	157.6	22.0	16.2%
Total Chromium	602.2	636.5	34.3	5.7%
Total Copper	3,096.0	3,768.1	672.1	21.7%
Total Lead	551.9	636.1	84.2	15.3%
Total Mercury	2.6	3.0	0.4	15.4%
Total Nickel	760.1	1,000.3	240.2	31.6%
Total Silver	218.0	253.3	35.3	16.2%
Total Zinc	5,357.4	6,366.6	1,009.2	18.8%
Total Metals	10,723.8	12,821.5	2,097.7	19.6%
Total Cyanide	319.6	408.5	88.9	27.8%