

**Narragansett Bay Commission
Pretreatment Program**

2012 Annual Report Summary



Report Period: January 1, 2012 – December 31, 2012

Significant Industrial Users:

- 93 Total SIUs
- 50 SIUs in Field's Point
- 43 SIUs in Bucklin Point

User Permitting:

- 412 Permits issued in 2012
- 144 New permits issued to previously unpermitted firms
- 268 Revised permits issued

Inspection and Sampling Programs:

- 2,110 Non-Sampling Inspections conducted
- 379 Non-Sampling Inspections of Significant Industrial Users
- 261 Non-Sampling Inspections of categorical users
- 118 Non-Sampling Inspections of significant non-categorical users
- 1,731 Non-Sampling Inspections of non-significant users
- 62 Regulatory Compliance meetings held with users
- 46 Emergency/Special Investigations Conducted
- 231 User Monitoring Reports generated by NBC in 2012
- 214 NBC Sampling Inspections of Industry
- 101 Different Facilities Sampled by NBC
- 214 Monitoring Reports of Significant Users generated
- 148 Monitoring Reports of Categorical Users generated
- 66 Monitoring Reports of Significant Non-Categorical Users generated
- 17 Monitoring Reports of Non-Significant Users generated
- 364 Manhole Sampling Events Conducted
- 308 Industrial Surveillance Manhole Sampling Events Conducted
- 151 Industrial Surveillance Manholes Sampled in Bucklin Point
 - 97.4% Compliance Rate
- 157 Industrial Surveillance Manholes Sampled in Field's Point
 - 90.4% Compliance Rate
- 48 Sanitary Manhole Sampling Events Conducted

Enforcement Program:

- 1,919 Notice of Violation (NOV) Letters Issued
- 1,208 NOVs issued to Field's Point Users
- 711 NOVs issued to Bucklin Point Users
- 11 Firms Listed in February 27, 2013 Public Notice in the Providence Journal as being in Significant Non-Compliance (SNC)
- 20.% Rate of Significant Non-Compliance (SNC) in the Field's Point District in 2012, a reduction from 39% in 1992
- 14.0% Rate of SNC in the Bucklin Point District in 2012, a reduction from 44.8% in 1994
- 7.5% Overall Rate of SNC in both districts in 2012

Review of User Monitoring Data:

- Pretreatment Staff Reviewed 2,826 User Monitoring Reports
- 94.9% Overall Rate of Compliance for All Significant Users
- 93.8% Overall Rate of Compliance for All Categorical Users
- 96.8% Overall Rate of Compliance for All Non-Significant Users
- 95.8% Overall Rate of Compliance for All Users
- 58.1% of EPA categorically regulated users had perfect effluent compliance records with all effluent parameters excluding pH
- 65.2% of Significant Users AND 90.2% 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 2011-2012 Annual Loadings to Field's Point

Pollutant	2011 (Pounds)	2012 (Pounds)	Total Pound change	% Change
Total Cadmium	384.7	314.3	-70.4	-18.3%
Total Chromium	1,780.7	1,482.0	-298.7	-16.8%
Total Copper	5,544.5	4,780.0	-764.5	13.8%
Total Lead	1,748.1	1,383.0	-365.1	-20.9%
Total Mercury	5.75	5.68	-0.07	-1.2%
Total Nickel	3,848.1	2,814.8	-1,033.3	-26.9%
Total Silver	595.1	508.6	-86.5	-14.5%
Total Zinc	12,337.2	11,281.9	-1,055.3	-8.6%
Total Metals	26,244.2	22,570.3	-3,673.8	-14.0%
Total Cyanide	1,420.6	1,133.9	-286.7	-20.2%

Comparison of 2011-2012 Annual Loadings to the Bucklin Point

Pollutant	2011 (Pounds)	2012 (Pounds)	Total Pound Change	% Change
Total Cadmium	168.5	135.6	-32.9	-19.5%
Total Chromium	819.1	602.2	-216.9	-26.5%
Total Copper	3,408.5	3,096.0	-312.5	-9.2%
Total Lead	742.1	551.9	-190.2	-25.6%
Total Mercury	3.92	2.6	-1.28	-32.7%
Total Nickel	887.9	760.1	-127.8	-14.4%
Total Silver	269.9	218.0	-51.9	-19.2%
Total Zinc	6,396.3	5,357.4	-1,039.0	-16.2%
Total Metals	12,696.3	10,723.8	-1,972.5	-15.5%
Total Cyanide	288.5	319.6	31.1	10.8%