

**Narragansett Bay Commission
Pretreatment Program**

2010 Annual Report Summary



Report Period: January 1, 2010 – December 31, 2010

Significant Industrial Users:

- 95 Total SIUs
- 52 SIUs in Field's Point
- 43 SIUs in Bucklin Point

User Permitting:

- 401 Permits issued in 2010
- 192 New permits issued to previously unpermitted firms
- 209 Revised permits issued

Inspection and Sampling Programs:

- 2,128 Non-Sampling Inspections conducted
- 424 Non-Sampling Inspections of Significant Industrial Users
- 310 Non-Sampling Inspections of categorical users
- 114 Non-Sampling Inspections of significant non-categorical users
- 1,704 Non-Sampling Inspections of non-significant users
- 38 Regulatory Compliance meetings held with users
- 43 Emergency/Special Investigations Conducted
- 253 User Monitoring Reports generated by NBC in 2010
- 249 NBC Sampling Inspections of Industry
- 105 Different Facilities Sampled by NBC
- 225 Monitoring Reports of Significant Users generated
- 164 Monitoring Reports of Categorical Users generated
- 61 Monitoring Reports of Significant Non-Categorical Users generated
- 28 Monitoring Reports of Non-Significant Users generated
- 311 Manhole Sampling Events Conducted
- 267 Industrial Surveillance Manhole Sampling Events Conducted
- 121 Industrial Surveillance Manholes Sampled in Bucklin Point
 - 98.3% Compliance Rate
- 146 Industrial Surveillance Manholes Sampled in Field's Point
 - 90.4% Compliance Rate
- 36 Sanitary Manhole Sampling Events Conducted

Enforcement Program:

- 1,872 Notice of Violation (NOV) Letters Issued
- 1,232 NOV's issued to Field's Point Users
- 640 NOV's issued to Bucklin Point Users
- \$5,000 in Administrative Penalties assessed in 2010
- \$12,000 in Administrative Penalties Collected
- 12 Firms Listed in February 22, 2010 Public Notice in the Providence Journal as being in Significant Non-Compliance (SNC)
- 3.8% Rate of Significant Non-Compliance (SNC) in the Field's Point District in 2010, a reduction from 39% in 1992
- 0.0% Rate of SNC in the Bucklin Point District in 2010, a reduction from 44.8% in 1994
- 2.1% Overall Rate of SNC in both districts in 2010

Review of User Monitoring Data:

- Pretreatment Staff Reviewed 2,878 User Monitoring Reports
- 95.7% Overall Rate of Compliance for All Significant Users
- 95.6% Overall Rate of Compliance for All Categorical Users
- 96.3% Overall Rate of Compliance for All Non-Significant Users
- 88.9% Overall Rate of Compliance for All Users
- 66.7% of EPA categorically regulated users had perfect effluent compliance records with all effluent parameters excluding pH
- 66.7% of Significant Users AND 88.9% 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 2009-2010 Annual Loadings to Field's Point

Pollutant	2009 (Pounds)	2010 (Pounds)	Total Pound change	% Change
Total Cadmium	381.5	361.5	-20.0	-5.2%
Total Chromium	1,664.4	1,639.2	-25.2	-1.5%
Total Copper	5,854.1	5,517.9	-336.2	-5.7%
Total Lead	1,849.1	1,886.0	36.9	2.0%
Total Mercury	7.43	12.89	5.46	73.5%
Total Nickel	3,240.4	2,977.8	-262.6	-8.1%
Total Silver	603.8	573.9	-29.9	-5.0%
Total Zinc	14,813.6	12,022.4	-2,791.2	-18.8%
Total Metals	28,414.4	24,991.6	-3,422.8	-12.0%
Total Cyanide	1,913.5	2,503.1	589.6	30.8%

Comparison of 2009-2010 Annual Loadings to the Bucklin Point

Pollutant	2009 (Pounds)	2010 (Pounds)	Total Pound Change	% Change
Total Cadmium	165.4	169.4	4.0	2.4%
Total Chromium	865.7	985.0	119.3	13.8%
Total Copper	3,991.8	3,713.6	-278.2	-7.0%
Total Lead	714.1	711.0	-3.1	-0.43%
Total Mercury	4.06	5.25	1.19	29.3%
Total Nickel	1,345.8	947.8	-398.0	-29.6%
Total Silver	265.7	272.1	6.4	2.4%
Total Zinc	7,531.5	7,041.0	-490.5	-6.5%
Total Metals	14,884.1	13,845.2	-1,039.0	-7.0%
Total Cyanide	274.2	315.2	41.0	15.0%