

**Narragansett Bay Commission
Pretreatment Program**

2009 Annual Report Summary



Report Period: January 1, 2009 – December 31, 2009

Significant Industrial Users:

- 96 Total SIUs
- 53 SIUs in Field's Point
- 43 SIUs in Bucklin Point

User Permitting:

- 425 Permits issued in 2009
- 132 New permits issued to previously unpermitted firms
- 293 Revised permits issued

Inspection and Sampling Programs:

- 2,249 Non-Sampling Inspections conducted
- 413 Non-Sampling Inspections of Significant Industrial Users
- 307 Non-Sampling Inspections of categorical users
- 106 Non-Sampling Inspections of significant non-categorical users
- 1836 Non-Sampling Inspections of non-significant users
- 30 Regulatory Compliance meetings held with users
- 56 Emergency/Special Investigations Conducted
- 258 User Monitoring Reports generated by NBC in 2009
- 248 NBC Sampling Inspections of Industry
- 107 Different Facilities Sampled by NBC
- 225 Monitoring Reports of Significant Users generated
- 166 Monitoring Reports of Categorical Users generated
- 59 Monitoring Reports of Significant Non-Categorical Users generated
- 28 Monitoring Reports of Non-Significant Users generated
- 475 Manhole Sampling Events Conducted
- 446 Industrial Surveillance Manhole Sampling Events Conducted
- 256 Industrial Surveillance Manholes Sampled in Bucklin Point
 - 99.2% Compliance Rate
- 190 Industrial Surveillance Manholes Sampled in Field's Point
 - 95.6% Compliance Rate
- 29 Sanitary Manhole Sampling Events Conducted

Enforcement Program:

- 2,158 Notice of Violation (NOV) Letters Issued
- 1,396 NOVs issued to Field's Point Users
- 762 NOVs issued to Bucklin Point Users
- \$18,500 in Administrative Penalties assessed in 2009
- \$9,000 in Administrative Penalties Collected
- 22 Firms Listed in February 25, 2010 Public Notice in the Providence Journal as being in Significant Non-Compliance (SNC)
- 7.5% Rate of Significant Non-Compliance (SNC) in the Field's Point District in 2009, a reduction from 39% in 1992
- 11.6% Rate of SNC in the Bucklin Point District in 2009, a reduction from 44.8% in 1994
- 9.4% Overall Rate of SNC in both districts in 2009

Review of User Monitoring Data:

- Pretreatment Staff Reviewed 3,034 User Monitoring Reports
- 96.2% Overall Rate of Compliance for All Significant Users
- 96.1% Overall Rate of Compliance for All Categorical Users
- 96.3% Overall Rate of Compliance for All Non-Significant Users
- 96.2% Overall Rate of Compliance for All Users
- 60.6% of EPA categorically regulated users had perfect effluent compliance records with all effluent parameters excluding pH
- 63.5% 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 sewerage districts over the past few years through Pretreatment's User Education Methods

Summary of Toxic Loadings to WWTFs

Comparison of 2008 - 2009 Annual Loadings to Field's Point

Pollutant	2008 (Pounds)	2009 (Pounds)	Total Pound change	% Change
Total Cadmium	336.1	381.5	45.4	13.5%
Total Chromium	1,586.1	1,664.4	78.3	4.9%
Total Copper	6,542.9	5,854.1	-688.8	-10.5%
Total Lead	1,875.0	1,849.1	-25.9	-1.4%
Total Mercury	6.77	7.43	0.66	9.7%
Total Nickel	3,188.9	3,240.4	51.5	1.6%
Total Silver	565.5	603.8	38.3	6.8%
Total Zinc	14,444.2	14,813.6	369.4	2.6%
Total Metals	28,545.5	28,414.4	-131.1	-0.5%
Total Cyanide	1,980.1	1,913.5	-66.6	-3.4%

Comparison of 2008 - 2009 Annual Loadings to the Bucklin Point

Pollutant	2008 (Pounds)	2009 (Pounds)	Total Pound Change	% Change
Total Cadmium	155.1	165.4	10.3	6.6%
Total Chromium	7,338.4	865.7	-6,472.7	-88.2%
Total Copper	5,021.2	3,991.8	-1,029.4	-20.5%
Total Lead	713.2	714.1	0.9	0.13%
Total Mercury	3.60	4.06	0.46	12.8%
Total Nickel	2,922.9	1,345.8	-1,577.1	-54.0%
Total Silver	269.6	265.7	-3.9	-1.4%
Total Zinc	8,247.9	7,531.5	-716.4	-8.7%
Total Metals	24,671.9	14,884.1	-9,787.8	-39.7%
Total Cyanide	305.4	274.2	-31.2	-10.2%