

**Narragansett Bay Commission
Pretreatment Program**

2007 Annual Report Summary



Report Period: January 1, 2007 – December 31, 2007

Significant Industrial Users:

- 104 Total SIUs
- 57 SIUs in Field's Point
- 47 SIUs in Bucklin Point

User Permitting:

- 308 Permits issued in 2007
- 116 New permits issued to previously unpermitted firms
- 192 Revised permits issued

Inspection and Sampling Programs:

- 1,664 Non-Monitoring Reports conducted
- 421 Non-Monitoring Reports of Significant Industrial Users
- 342 Non-Monitoring Reports of categorical users
- 79 Non-Monitoring Reports of significant non-categorical users
- 1,243 Non-Monitoring Reports of non-significant users
- 30 Regulatory Compliance meetings held with users
- 41 Emergency/Special Investigations Conducted
- 283 User Monitoring Reports generated by NBC in 2007
- 280 NBC Sampling Inspections of Industry
- 114 Different Facilities Sampled by NBC
- 261 Monitoring Reports of Significant Users generated
- 201 Monitoring Reports of Categorical Users generated
- 60 Monitoring Reports of Significant Non-Categorical Users generated
- 22 Monitoring Reports of Non-Significant Users generated
- 435 Manhole Sampling Events Conducted
- 407 Industrial Surveillance Manhole Sampling Events Conducted
- 298 Industrial Surveillance Manholes Sampled in Bucklin Point
 - 94.0% Compliance Rate
- 109 Industrial Surveillance Manholes Sampled in Field's Point
 - 88.1% Compliance Rate
- 28 Sanitary Manhole Sampling Events Conducted

Enforcement Program:

- 1,904 Notice of Violation (NOV) Letters Issued
- 1,232 NOVs issued to Field's Point Users
- 672 NOVs issued to Bucklin Point Users
- \$117,000 in Administrative Penalties assessed in 2007
- \$2,000 in Administrative Penalties Collected
- 16 Firms Listed in February 26, 2008 Public Notice in the Providence Journal as being in Significant Non-Compliance (SNC)
- 3.5% Rate of Significant Non-Compliance (SNC) in the Field's Point District in 2007, a reduction from 39% in 1992
- 10.6% Rate of SNC in the Bucklin Point District in 2007, a reduction from 44.8% in 1994
- 6.7% Overall Rate of SNC in both districts in 2007

Review of User Monitoring Data:

- Pretreatment Staff Reviewed 2,515 User Monitoring Reports
- 96.1% Overall Rate of Compliance for All Significant Users
- 96.3% Overall Rate of Compliance for All Categorical Users
- 95.1% Overall Rate of Compliance for All Non-Significant Users
- 95.6% Overall Rate of Compliance for All Users
- 70.4% of EPA categorically regulated users had perfect effluent compliance records with all effluent parameters excluding pH
- 72.1% of Significant Users AND 87.6% 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 2006 - 2007 Annual Loadings to Field's Point

Pollutant	2006 (Pounds)	2007 (Pounds)	Total Pound change	% Change
Total Cadmium	121.3	165.9	44.6	36.8%
Total Chromium	1,099.7	1,164.6	64.9	5.9%
Total Copper	8,394.7	6,497.1	-1,897.6	-22.6%
Total Lead	2,032.0	1,214.4	-817.6	-40.2%
Total Mercury	10.9	7.9	-3.0	-27.5%
Total Nickel	4,985.3	3,472.1	-1,513.2	-30.4%
Total Silver	547.8	425.4	-122.4	-22.3%
Total Zinc	15,398.5	13,394.5	-2,004.0	-13.0%
Total Metals	32,617.0	26,341.9	-6,275.1	-19.2%
Total Cyanide	2,665.2	1,688.7	-976.5	-36.6%

Comparison of 2006 - 2007 Annual Loadings to the Bucklin Point

Pollutant	2006 (Pounds)	2007 (Pounds)	Total Pound Change	% Change
Total Cadmium	23.5	57	33.5	142.6%
Total Chromium	3,038.7	4,743.4	1,704.7	56.1%
Total Copper	4,965.7	5,468.9	503.2	10.1%
Total Lead	772.1	580.8	-191.3	-24.8%
Total Mercury	4.5	5.2	0.7	15.6%
Total Nickel	2,672	2,565.3	-106.7	-4.0%
Total Silver	249.4	208	-41.4	-16.6%
Total Zinc	8,770.3	8,618.3	-152	-1.7%
Total Metals	20,496.1	22,246.9	1,750.8	8.5%
Total Cyanide	536.1	216.1	-320	-59.7%