

**Narragansett Bay Commission  
Pretreatment Program**

**2011 Annual Report Summary**



**Report Period: January 1, 2011 – December 31, 2011**

**Significant Industrial Users:**

- 89 Total SIUs
- 47 SIUs in Field's Point
- 42 SIUs in Bucklin Point

**User Permitting:**

- 371 Permits issued in 2011
- 158 New permits issued to previously unpermitted firms
- 213 Revised permits issued

**Inspection and Sampling Programs:**

- 2,205 Non-Sampling Inspections conducted
- 394 Non-Sampling Inspections of Significant Industrial Users
- 294 Non-Sampling Inspections of categorical users
- 100 Non-Sampling Inspections of significant non-categorical users
- 1,811 Non-Sampling Inspections of non-significant users
- 26 Regulatory Compliance meetings held with users
- 38 Emergency/Special Investigations Conducted
- 235 User Monitoring Reports generated by NBC in 2011
- 220 NBC Sampling Inspections of Industry
- 96 Different Facilities Sampled by NBC
- 217 Monitoring Reports of Significant Users generated
- 160 Monitoring Reports of Categorical Users generated
- 57 Monitoring Reports of Significant Non-Categorical Users generated
- 17 Monitoring Reports of Non-Significant Users generated
- 380 Manhole Sampling Events Conducted
- 334 Industrial Surveillance Manhole Sampling Events Conducted
- 138 Industrial Surveillance Manholes Sampled in Bucklin Point
  - 98.6% Compliance Rate
- 196 Industrial Surveillance Manholes Sampled in Field's Point
  - 88.3% Compliance Rate
- 42 Sanitary Manhole Sampling Events Conducted

**Enforcement Program:**

- 1,904 Notice of Violation (NOV) Letters Issued
- 1,230 NOVs issued to Field's Point Users
- 674 NOVs issued to Bucklin Point Users
- \$3,000 in Administrative Penalties Collected
- 5 Firms Listed in February 24, 2012 Public Notice in the Providence Journal as being in Significant Non-Compliance (SNC)
- 4.3% Rate of Significant Non-Compliance (SNC) in the Field's Point District in 2011, a reduction from 39% in 1992
- 4.8% Rate of SNC in the Bucklin Point District in 2011, a reduction from 44.8% in 1994
- 4.5% Overall Rate of SNC in both districts in 2011

**Review of User Monitoring Data:**

- Pretreatment Staff Reviewed 2,807 User Monitoring Reports
- 95.1% Overall Rate of Compliance for All Significant Users
- 94.4% Overall Rate of Compliance for All Categorical Users
- 97.4% Overall Rate of Compliance for All Non-Significant Users
- 96.2% Overall Rate of Compliance for All Users
- 68.2% of EPA categorically regulated users had perfect effluent compliance records with all effluent parameters excluding pH
- 73.0% of Significant Users AND 92.1% 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 2010-2011 Annual Loadings to Field's Point

<b>Pollutant</b>	<b>2010 (Pounds)</b>	<b>2011 (Pounds)</b>	<b>Total Pound change</b>	<b>% Change</b>
<b>Total Cadmium</b>	361.5	384.7	23.2	6.4%
<b>Total Chromium</b>	1,639.2	1,780.7	141.5	8.6%
<b>Total Copper</b>	5,517.9	5,544.5	26.6	0.5%
<b>Total Lead</b>	1,886.0	1,748.1	-137.9	-7.3%
<b>Total Mercury</b>	12.89	5.75	-7.14	-55.4%
<b>Total Nickel</b>	2,977.8	3,848.1	870.3	29.2%
<b>Total Silver</b>	573.9	595.1	21.2	3.7%
<b>Total Zinc</b>	12,022.4	12,337.2	314.8	2.6%
<b>Total Metals</b>	24,991.6	26,244.2	1,252.6	5.0%
<b>Total Cyanide</b>	2,503.1	1,420.6	-1,082.5	-43.2%

### Comparison of 2010-2011 Annual Loadings to the Bucklin Point

<b>Pollutant</b>	<b>2010 (Pounds)</b>	<b>2011 (Pounds)</b>	<b>Total Pound Change</b>	<b>% Change</b>
<b>Total Cadmium</b>	169.4	168.5	-0.90	-0.53%
<b>Total Chromium</b>	985.0	819.1	-165.9	-16.8%
<b>Total Copper</b>	3,713.6	3,408.5	-305.1	-8.2%
<b>Total Lead</b>	711.0	742.1	31.1	4.4%
<b>Total Mercury</b>	5.25	3.92	-1.33	-25.3%
<b>Total Nickel</b>	947.8	887.9	-59.9	-6.3%
<b>Total Silver</b>	272.1	269.9	-2.2	-0.81%
<b>Total Zinc</b>	7,041.0	6,396.3	-644.6	-9.2%
<b>Total Metals</b>	13,845.2	12,696.3	-1,147.9	-8.3%
<b>Total Cyanide</b>	315.2	288.5	-26.7	-8.5%