

**Narragansett Bay Commission
Pretreatment Program**

2004 Annual Report Summary



Report Period: January 1, 2004 – December 31, 2004

Significant Industrial Users:

- 127 Total SIUs
- 74 SIUs in Field's Point
- 53 SIUs in Bucklin Point

User Permitting:

- 428 Permits issued in 2004, a 7% increase from 2003
- 198 New permits issued to previously unpermitted firms
- 230 Revised permits issued

Inspection and Sampling Programs:

- 1,859 Non-sampling inspections conducted
- 504 Non-sampling inspections of Significant Industrial Users
- 401 Non-sampling inspections of categorical users
- 104 Non-sampling inspections of significant non-categorical users
- 1,355 Non-sampling inspections of non-significant users
- 25 Regulatory Compliance meetings held with users
- 69 Emergency/Special Investigations Conducted
- 364 User Samples Collected by NBC in 2004
- 333 NBC Sampling Inspections of Industry
- 136 Different Facilities Sampled by NBC
- 313 Sampling Inspections of Significant Users Conducted
- 249 Sampling Inspections of Categorical Users Conducted
- 64 Sampling Inspections of Significant Non-Categorical Users Conducted
- 20 Sampling Inspections of Non-Significant Users Conducted
- 364 Manhole Sampling Events Conducted
- 309 Industrial Surveillance Manhole Samples Collected
- 138 Industrial Surveillance Manholes Sampled in Bucklin Point
 - 96.4% Compliance Rate
- 171 Industrial Surveillance Manholes Sampled in Field's Point
 - 90.1% Compliance Rate
- 55 Sanitary Manhole Sampling Events Conducted

Enforcement Program:

- 2,159 Notice of Violation (NOV) Letters Issued
- 1,425 NOVs issued to Field's Point Users
- 734 NOVs issued to Bucklin Point Users

- 2 Administrative Orders Issued
- 1 Permit Suspension in effect during 2004
- \$50,000 in Administrative Penalties Assessed
- \$3,330 in Administrative Penalties Collected
- 4 Civil Suit was filed in 2004 to enforce an Administrative Order

- 21 Firms Listed in February 28, 2005 Public Notice in the Providence Journal as being in Significant Non-Compliance (SNC)

- 9.5% Rate of Significant Non-Compliance (SNC) in the Field's Point District in 2004, a reduction from 39% in 1992

- 7.5% Rate of SNC in the Bucklin Point District in 2004, a reduction from 44.8% in 1994

Review of User Monitoring Data:

- Pretreatment Staff Reviewed 3,445 User Monitoring Reports
- 96.0% Overall Rate of Compliance for All Significant Users
- 95.8% Overall Rate of Compliance for All Categorical Users
- 92.6% Overall Rate of Compliance for All Non-Significant Users
- 95.1% Overall Rate of Compliance for All Users
- 58.8% of EPA categorically regulated users had perfect effluent compliance records with all effluent parameters excluding pH
- 63.0% of Significant Users AND 80.6% 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 2003-2004 Annual Loadings to Field's Point

Pollutant	2003 (pounds)	2004 (pounds)	Total Pound Change	% Change
Total Cadmium	134	132	-2	-1.5%
Total Chromium	1,307	1,081	-226	-17.3%
Total Copper	7,710	7,429	-281	-3.6%
Total Lead	1,951	1,644	-307	-15.7%
Total Mercury	16	13	-3	-18.8%
Total Nickel	6,058	7,324	1,266	20.9%
Total Silver	655	643	-12	-1.8%
Total Zinc	13,400	13,363	-37	-0.28%
Total Metals	31,231	31,629	398	1.3%
Total Cyanide	4,175	3,978	-197	-4.7%

Comparison of 2003-2004 Annual Loadings to the Bucklin Point

Pollutant	2003 (Pounds)	2004 (Pounds)	Difference In Pounds	Percent Change
Total Cadmium	39.2	42	2.8	7.1%
Total Chromium	3,762	1,045	-2,717	-72.2%
Total Copper	5,638	5,269	-369	-6.5%
Total Lead	873	661	-212	-24.3%
Total Mercury	6.5	5	-1.5	-23.1%
Total Nickel	3,396	3,692	296	8.7%
Total Silver	370	326	-44	-11.9%
Total Zinc	10,338	10,117	-221	-2.1%
Total Metals	24,423	21,157	-3,266	-13.4%
Total Cyanide	794	768	-26	-3.3%