

**Narragansett Bay Commission
Pretreatment Program**

2005 Annual Report Summary



Report Period: January 1, 2005 – December 31, 2005

Significant Industrial Users:

- 116 Total SIUs
- 66 SIUs in Field's Point
- 50 SIUs in Bucklin Point

User Permitting:

- 383 Permits issued in 2005
- 141 New permits issued to previously unpermitted firms
- 242 Revised permits issued

Inspection and Sampling Programs:

- 2,306 Non-sampling inspections conducted
- 506 Non-sampling inspections of Significant Industrial Users
- 393 Non-sampling inspections of categorical users
- 113 Non-sampling inspections of significant non-categorical users
- 1,687 Non-sampling inspections of non-significant users
- 23 Regulatory Compliance meetings held with users
- 58 Emergency/Special Investigations Conducted
- 333 User Samples Collected by NBC in 2004
- 333 NBC Sampling Inspections of Industry
- 127 Different Facilities Sampled by NBC
- 311 Sampling Inspections of Significant Users Conducted
- 222 Sampling Inspections of Categorical Users Conducted
- 89 Sampling Inspections of Significant Non-Categorical Users Conducted
- 25 Sampling Inspections of Non-Significant Users Conducted
- 356 Manhole Sampling Events Conducted
- 289 Industrial Surveillance Manhole Samples Collected
- 126 Industrial Surveillance Manholes Sampled in Bucklin Point
 - 92.9% Compliance Rate
- 163 Industrial Surveillance Manholes Sampled in Field's Point
 - 90.8% Compliance Rate
- 44 Sanitary Manhole Sampling Events Conducted

Enforcement Program:

- 2,264 Notice of Violation (NOV) Letters Issued
- 1,452 NOVs issued to Field's Point Users
- 812 NOVs issued to Bucklin Point Users

- 2 Administrative Orders Issued
- \$169,500 in Administrative Penalties Assessed
- \$21,650 in Administrative Penalties Collected
- 22 Civil Suit was filed in 2004 to enforce an Administrative Order
- 28 Firms Listed in March 1, 2006 Public Notice in the Providence Journal as being in Significant Non-Compliance (SNC)
- 7.6% Rate of Significant Non-Compliance (SNC) in the Field's Point District in 2005, a reduction from 39% in 1992
- 10.0% Rate of SNC in the Bucklin Point District in 2005, a reduction from 44.8% in 1994

Review of User Monitoring Data:

- Pretreatment Staff Reviewed 3872 User Monitoring Reports
- 96.2% Overall Rate of Compliance for All Significant Users
- 96.0% Overall Rate of Compliance for All Categorical Users
- 93.3% Overall Rate of Compliance for All Non-Significant Users
- 95.1% Overall Rate of Compliance for All Users
- 67.4% of EPA categorically regulated users had perfect effluent compliance records with all effluent parameters excluding pH
- 67.0% of Significant Users AND 84.2% 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 2004-2005 Annual Loadings to Field's Point

Pollutant	2004 (pounds)	2005 (pounds)	Total Pound Change	% Change
Total Cadmium	132.1	130.8	-1.3	-0.96%
Total Chromium	1,081.3	893.5	-187.8	-17.4%
Total Copper	7,429.1	7,361.4	-67.7	-0.91%
Total Lead	1,643.9	1,718.6	74.7	4.5%
Total Mercury	13.1	13.3	0.2	1.76%
Total Nickel	7,323.9	4,549.7	-2,774.2	-37.9%
Total Silver	643.5	590.1	-53.4	-8.3%
Total Zinc	13,362.8	15,449.7	2,086.9	15.6%
Total Metals	31,629.6	30,707.1	-922.5	-2.9%
Total Cyanide	3,977.6	3,792.2	-185.4	-4.7%

Comparison of 2004-2005 Annual Loadings to the Bucklin Point

Pollutant	2004 (Pounds)	2005 (Pounds)	Difference In Pounds	Percent Change
Total Cadmium	42.5	25.7	-16.8	-39.5%
Total Chromium	1,044.9	1,099.1	54.2	5.2%
Total Copper	5,269.1	4,734.0	-535.1	-10.2%
Total Lead	661.5	706.6	45.1	6.8%
Total Mercury	5.4	5.6	0.2	3.5%
Total Nickel	3,691.8	2,684.8	-1007.1	-27.3%
Total Silver	326.1	223.2	-102.9	-31.6%
Total Zinc	10,116.8	8,768.4	-1348.4	-13.3%
Total Metals	21,158.1	18,247.4	-2910.7	-13.8%
Total Cyanide	768.4	754.0	-14.4	-1.9%