

**Narragansett Bay Commission
Pretreatment Program**

2006 Annual Report Summary



Report Period: January 1, 2006 – December 31, 2006

Significant Industrial Users:

- 110 Total SIUs
- 55 SIUs in Field's Point
- 49 SIUs in Bucklin Point

User Permitting:

- 401 Permits issued in 200
- 191 New permits issued to previously unpermitted firms
- 210 Revised permits issued

Inspection and Sampling Programs:

- 2,106 Non-sampling inspections conducted
- 516 Non-sampling inspections of Significant Industrial Users
- 403 Non-sampling inspections of categorical users
- 113 Non-sampling inspections of significant non-categorical users
- 1,589 Non-sampling inspections of non-significant users
- 31 Regulatory Compliance meetings held with users
- 58 Emergency/Special Investigations Conducted
- 287 User Samples Collected by NBC in 2004
- 266 NBC Sampling Inspections of Industry
- 122 Different Facilities Sampled by NBC
- 244 Sampling Inspections of Significant Users Conducted
- 188 Sampling Inspections of Categorical Users Conducted
- 56 Sampling Inspections of Significant Non-Categorical Users Conducted
- 43 Sampling Inspections of Non-Significant Users Conducted
- 391 Manhole Sampling Events Conducted
- 341 Industrial Surveillance Manhole Samples Collected
- 190 Industrial Surveillance Manholes Sampled in Bucklin Point
 - 90.0% Compliance Rate
- 151 Industrial Surveillance Manholes Sampled in Field's Point
 - 87.4% Compliance Rate
- 39 Sanitary Manhole Sampling Events Conducted

Enforcement Program:

- 2,382 Notice of Violation (NOV) Letters Issued
- 1,524 NOVs issued to Field's Point Users
- 856 NOVs issued to Bucklin Point Users

- \$51,000 in Administrative Penalties Collected
- 15 Firms Listed in March 1, 2007 Public Notice in the Providence Journal as being in Significant Non-Compliance (SNC)
- 4.9% Rate of Significant Non-Compliance (SNC) in the Field's Point District in 2006, a reduction from 39% in 1992
- 10.2% Rate of SNC in the Bucklin Point District in 2006, a reduction from 44.8% in 1994
- 7.3% Overall Rate of SNC in both districts in 2006

Review of User Monitoring Data:

- Pretreatment Staff Reviewed 3,614 User Monitoring Reports
- 94.8% Overall Rate of Compliance for All Significant Users
- 95.4% Overall Rate of Compliance for All Categorical Users
- 95.4% Overall Rate of Compliance for All Non-Significant Users
- 95.0% Overall Rate of Compliance for All Users
- 52.9% of EPA categorically regulated users had perfect effluent compliance records with all effluent parameters excluding pH
- 57.3% of Significant Users AND 86.1% 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 sewerage districts over the past few years through Pretreatment's User Education Methods

Summary of Toxic Loadings to WWTFs

Comparison of 2005 - 2006 Annual Loadings to Field's Point

| Pollutant | 2005 (pounds) | 2006 (pounds) | Total Pound Change | % Change |
|------------------|--------------------------|--------------------------|-------------------------------|-----------------|
| Total Cadmium | 130.8 | 121.3 | -9.5 | -7.3% |
| Total Chromium | 893.4 | 1,097.4 | 204.0 | 22.8% |
| Total Copper | 7,361.4 | 8,392.3 | 1,030.9 | 14.0% |
| Total Lead | 1,718.6 | 2,027.7 | 309.1 | 18.0% |
| Total Mercury | 13.3 | 10.8 | -2.5 | -18.8% |
| Total Nickel | 4,549.7 | 4,980.7 | 431.0 | 9.5% |
| Total Silver | 590.1 | 573.6 | -16.5 | -2.8% |
| Total Zinc | 15,449.7 | 15,385.1 | -64.6 | -0.4% |
| Total Metals | 30,707.0 | 32,588.9 | 1,881.9 | 6.1% |
| Total Cyanide | 3,792.2 | 2,662.2 | -1,130.0 | -29.8% |

Comparison of 2005 - 2006 Annual Loadings to the Bucklin Point

| Pollutant | 2005 (Pounds) | 2006 (Pounds) | Difference In Pounds | Percent Change |
|------------------|--------------------------|--------------------------|---------------------------------|---------------------------|
| Total Cadmium | 25.7 | 23.5 | -2.2 | -8.6% |
| Total Chromium | 1,099.1 | 3,081.9 | 1,982.9 | 180.4% |
| Total Copper | 4,734.0 | 4,976.0 | 242.0 | 5.1% |
| Total Lead | 706.6 | 767.1 | 60.5 | 8.6% |
| Total Mercury | 5.6 | 4.5 | -1.1 | -19.6% |
| Total Nickel | 2,684.8 | 2,686.3 | 1.5 | 0.1% |
| Total Silver | 223.2 | 249.8 | 26.6 | 11.9% |
| Total Zinc | 8,768.4 | 8,770.9 | 2.5 | 0.03% |
| Total Metals | 18,247.4 | 20,560.1 | 2,312.7 | 12.7% |
| Total Cyanide | 754.0 | 537.4 | -216.6 | -28.7% |