

**Narragansett Bay Commission
Pretreatment Program**

2003 Annual Report Summary



Report Period: January 1, 2003 – December 31, 2003

Significant Industrial Users:

- 125 Total SIUs
- 74 SIUs in Field's Point
- 51 SIUs in Bucklin Point

User Permitting:

- 400 Permits issued in 2003, a 25% increase from 2002
- 158 New permits issued to previously unpermitted firms
- 242 Revised permits issued

Inspection and Sampling Programs:

- 1,954 Non-sampling inspections conducted
- 555 Non-sampling inspections of Significant Industrial Users
- 446 Non-sampling inspections of categorical users
- 109 Non-sampling inspections of significant non-categorical users
- 1,459 Non-sampling inspections of non-significant users
- 32 Regulatory Compliance meetings held with users
- 84 Emergency/Special Investigations Conducted
- 358 User Samples Collected by NBC in 2003
- 316 NBC Sampling Inspections of Industry
- 135 Different Facilities Sampled by NBC
- 297 Sampling Inspections of Significant Users Conducted
- 240 Sampling Inspections of Categorical Users Conducted
- 57 Sampling Inspections of Significant Non-Categorical Users Conducted
- 19 Sampling Inspections of Non-Significant Users Conducted
- 386 Manhole Sampling Events Conducted
- 347 Industrial Surveillance Manhole Samples Collected
- 219 Industrial Surveillance Manholes Sampled in Bucklin Point
 - 93.2% Compliance Rate
- 128 Industrial Surveillance Manholes Sampled in Field's Point
 - 87.5% Compliance Rate
- 39 Sanitary Manhole Sampling Events Conducted

Enforcement Program:

- 2,267 Notice of Violation (NOV) Letters Issued
- 1423 NOVs issued to Field's Point Users
- 843 NOVs issued to Bucklin Point Users

- 4 Administrative Orders Issued
- 1 Permit Suspension in effect throughout 2003
- \$150,000 in Administrative Penalties Assessed
- \$19,270 in Administrative Penalties Collected
- 1 Civil Suit was filed in 2003 to enforce an Administrative Order

- 20 Firms Listed in March 3, 2004 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 2003, a reduction from 39% in 1992
- 9.8% Rate of SNC in the Bucklin Point District in 2003, a reduction from 44.8% in 1994

Review of User Monitoring Data:

- Pretreatment Staff Reviewed 3,511 User Monitoring Reports
- 95.6% Overall Rate of Compliance for All Significant Users
- 95.5% Overall Rate of Compliance for All Categorical Users
- 94.3% Overall Rate of Compliance for All Non-Significant Users
- 95.1% Overall Rate of Compliance for All Users
- 62% of EPA categorically regulated users had perfect effluent compliance records with all effluent parameters excluding pH
- 64.8% of Significant Users AND 80.8% 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 2002-2003
Annual Loadings to the Field's Point WWTF**

Pollutant	2002 (pounds)	2003 (pounds)	Total Pound Change	% Change
Total Cadmium	96	134	38	40%
Total Chromium	1,302	1,307	5	0
Total Copper	9,469	7,710	-1,759	-19
Total Lead	2,270	1,951	-319	-14
Total Mercury	11	16	5	45
Total Nickel	5,324	6,058	734	14
Total Silver	777	655	-122	-16
Total Zinc	14,664	13,400	-1,264	-9
Total Metals	33,913	31,231	-2,683	-8
Total Cyanide	2,789	4,175	1,386	50

**Comparison of 2002-2003
Annual Loadings to the Bucklin Point WWTF**

Pollutant	2002 (Pounds)	2003 (Pounds)	Difference In Pounds	Percent Change
Total Cadmium	38	39	1	2.63
Total Chromium	918	3,762	2844	310
Total Copper	6,141	5,638	-503	-8
Total Lead	870	873	3	0
Total Mercury	6	6.5	0.5	8.3
Total Nickel	2,845	3,396	551	19
Total Silver	603	371	-232	-39
Total Zinc	9,715	10,337	622	6
Total Metals	21,136	24,423	3287	16
Total Cyanide	760	794	34	4.5