

**Narragansett Bay Commission
Pretreatment Program**

2015 Annual Report Summary



Report Period: January 1, 2015 – December 31, 2015

Significant Industrial Users:

- 73 Total SIUs
- 39 SIUs in Field's Point
- 34 SIUs in Bucklin Point

User Permitting:

- 406 Permits issued in 2015
- 140 New permits issued to previously unpermitted firms
- 266 Revised permits issued

Inspection and Sampling Programs:

- 1,911 Non-Sampling Inspections conducted
- 294 Non-Sampling Inspections of Significant Industrial Users
- 200 Non-Sampling Inspections of categorical users
- 94 Non-Sampling Inspections of significant non-categorical users
- 1,617 Non-Sampling Inspections of non-significant users
- 65 Regulatory Compliance meetings held with users
- 19 Emergency/Special Investigations Conducted
- 224 User Monitoring Reports generated by NBC in 2015
- 212 NBC Sampling Inspections of Industry
- 76 Different Facilities Sampled by NBC
- 217 Monitoring Reports of Significant Users generated
- 110 Monitoring Reports of Categorical Users generated
- 97 Monitoring Reports of Significant Non-Categorical Users generated
- 7 Monitoring Reports of Non-Significant Users generated
- 329 Manhole Sampling Events Conducted
- 273 Industrial Surveillance Manhole Sampling Events Conducted
- 113 Industrial Surveillance Manholes Sampled in Bucklin Point
 - 95.6% Compliance Rate
- 160 Industrial Surveillance Manholes Sampled in Field's Point
 - 96.3% Compliance Rate
- 43 Sanitary Manhole Sampling Events Conducted

Enforcement Program:

- 1,841 Notice of Violation (NOV) Letters Issued
- 1,259 NOVs issued to Field's Point Users
- 582 NOVs issued to Bucklin Point Users
- 13 Firms Listed in February 23, 2016 Public Notice in the Providence Journal as being in Significant Non-Compliance (SNC)
- 5.1% Rate of Significant Non-Compliance (SNC) in the Field's Point District in 2015, a reduction from 39% in 1992
- 11.8% Rate of SNC in the Bucklin Point District in 2015, a reduction from 44.8% in 1994
- 8.2% Overall Rate of SNC in both districts in 2015
- Rate of Significant Non-Compliance (SNC) has been significantly reduced in both districts over the past few years through the education methods used by the Pretreatment Program

Review of User Monitoring Data:

- Pretreatment Staff Reviewed 2,723 User Monitoring Reports
- 93.0% Overall Rate of Compliance for All Significant Users
- 94.5% Overall Rate of Compliance for All Categorical Users
- 94.3% Overall Rate of Compliance for All Non-Significant Users
- 93.7% Overall Rate of Compliance for All Users
- 60.7% of EPA categorically regulated users had perfect effluent compliance records with all effluent parameters excluding pH
- 65.8% of Significant Users AND 88.3% of all users had perfect effluent compliance records with effluent pollutants excluding pH

Summary of Toxic Loadings to WWTFs

Comparison of 2014-2015 Annual Loadings to Field's Point

Pollutant	2014 (Pounds)	2015 (Pounds)	Total Pound change	% Change
Total Cadmium	329.6	310.2	-19.4	-5.9%
Total Chromium	1,364.9	1,290.2	-74.7	-5.5%
Total Copper	5,940.9	5,458.2	-482.7	-8.1%
Total Lead	1,447.6	1,492.8	45.2	3.1%
Total Mercury	4.99	4.96	-0.03	-0.6%
Total Nickel	2,783.6	2,728.5	-55.1	-2.0%
Total Silver	525.4	470.0	-55.4	-10.5%
Total Zinc	12,668.3	14,608.7	1,940.4	15.3%
Total Metals	25065.3	26,363.6	1,298.3	5.2%
Total Cyanide	974.1	1,127.1	153.0	15.7%

Comparison of 2014-2015 Annual Loadings to the Bucklin Point

Pollutant	2014 (Pounds)	2015 (Pounds)	Total Pound Change	% Change
Total Cadmium	161.5	135.5	-26.3	-16.3%
Total Chromium	654.1	644.9	-9.2	-1.4%
Total Copper	4,614.4	4,096.6	-517.8	-11.2%
Total Lead	656.8	560.7	-96.1	-14.6%
Total Mercury	3.3	2.6	-0.7	-21.2%
Total Nickel	993.1	987.3	-5.8	-0.6%
Total Silver	258.6	217.2	-41.4	-16.0%
Total Zinc	7,176.1	6,756.8	-419.3	-5.8%
Total Metals	14,517.9	13,401.3	-1,116.6	-7.7%
Total Cyanide	319.7	351.0	31.3	9.8%