Narragansett Bay Commission
Pretreatment Program

2010 Annual Report Summary


Significant Industrial Users:
- 95 Total SIUs
- 52 SIUs in Field’s Point
- 43 SIUs in Bucklin Point

User Permitting:
- 401 Permits issued in 2010
- 192 New permits issued to previously unpermitted firms
- 209 Revised permits issued

Inspection and Sampling Programs:
- 2,128 Non-Sampling Inspections conducted
- 424 Non-Sampling Inspections of Significant Industrial Users
- 310 Non-Sampling Inspections of categorical users
- 114 Non-Sampling Inspections of significant non-categorical users
- 1,704 Non-Sampling Inspections of non-significant users
- 38 Regulatory Compliance meetings held with users
- 43 Emergency/Special Investigations Conducted
- 253 User Monitoring Reports generated by NBC in 2010
- 249 NBC Sampling Inspections of Industry
- 105 Different Facilities Sampled by NBC
- 225 Monitoring Reports of Significant Users generated
- 164 Monitoring Reports of Categorical Users generated
- 61 Monitoring Reports of Significant Non-Categorical Users generated
- 28 Monitoring Reports of Non-Significant Users generated
- 311 Manhole Sampling Events Conducted
- 267 Industrial Surveillance Manhole Sampling Events Conducted
- 121 Industrial Surveillance Manholes Sampled in Bucklin Point
  - 98.3% Compliance Rate
- 146 Industrial Surveillance Manholes Sampled in Field’s Point
  - 90.4% Compliance Rate
- 36 Sanitary Manhole Sampling Events Conducted
Enforcement Program:

- 1,872 Notice of Violation (NOV) Letters Issued
- 1,232 NOVs issued to Field’s Point Users
- 640 NOVs issued to Bucklin Point Users
- $5,000 in Administrative Penalties assessed in 2010
- $12,000 in Administrative Penalties Collected
- 12 Firms Listed in February 22, 2010 Public Notice in the Providence Journal as being in Significant Non-Compliance (SNC)
- 3.8% Rate of Significant Non-Compliance (SNC) in the Field’s Point District in 2010, a reduction from 39% in 1992
- 0.0% Rate of SNC in the Bucklin Point District in 2010, a reduction from 44.8% in 1994
- 2.1% Overall Rate of SNC in both districts in 2010

Review of User Monitoring Data:

- Pretreatment Staff Reviewed 2,878 User Monitoring Reports
- 95.7% Overall Rate of Compliance for All Significant Users
- 95.6% Overall Rate of Compliance for All Categorical Users
- 96.3% Overall Rate of Compliance for All Non-Significant Users
- 88.9% Overall Rate of Compliance for All Users
- 66.7% of EPA categorically regulated users had perfect effluent compliance records with all effluent parameters excluding pH
- 66.7% of Significant Users AND 88.9% 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 districts over the past few years through Pretreatment's User Education Methods
# Summary of Toxic Loadings to WWTFs

## Comparison of 2009-2010

### Annual Loadings to Field's Point

<table>
<thead>
<tr>
<th>Pollutant</th>
<th>2009 (Pounds)</th>
<th>2010 (Pounds)</th>
<th>Total Pound change</th>
<th>% Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Cadmium</td>
<td>381.5</td>
<td>361.5</td>
<td>-20.0</td>
<td>-5.2%</td>
</tr>
<tr>
<td>Total Chromium</td>
<td>1,664.4</td>
<td>1,639.2</td>
<td>-25.2</td>
<td>-1.5%</td>
</tr>
<tr>
<td>Total Copper</td>
<td>5,854.1</td>
<td>5,517.9</td>
<td>-336.2</td>
<td>-5.7%</td>
</tr>
<tr>
<td>Total Lead</td>
<td>1,849.1</td>
<td>1,886.0</td>
<td>36.9</td>
<td>2.0%</td>
</tr>
<tr>
<td>Total Mercury</td>
<td>7.43</td>
<td>12.89</td>
<td>5.46</td>
<td>73.5%</td>
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<tr>
<td>Total Nickel</td>
<td>3,240.4</td>
<td>2,977.8</td>
<td>-262.6</td>
<td>-8.1%</td>
</tr>
<tr>
<td>Total Silver</td>
<td>603.8</td>
<td>573.9</td>
<td>-29.9</td>
<td>-5.0%</td>
</tr>
<tr>
<td>Total Zinc</td>
<td>14,813.6</td>
<td>12,022.4</td>
<td>-2,791.2</td>
<td>-18.8%</td>
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<tr>
<td>Total Metals</td>
<td>28,414.4</td>
<td>24,991.6</td>
<td>-3,422.8</td>
<td>-12.0%</td>
</tr>
<tr>
<td>Total Cyanide</td>
<td>1,913.5</td>
<td>2,503.1</td>
<td>589.6</td>
<td>30.8%</td>
</tr>
</tbody>
</table>

## Comparison of 2009-2010

### Annual Loadings to the Bucklin Point

<table>
<thead>
<tr>
<th>Pollutant</th>
<th>2009 (Pounds)</th>
<th>2010 (Pounds)</th>
<th>Total Pound change</th>
<th>% Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Cadmium</td>
<td>165.4</td>
<td>169.4</td>
<td>4.0</td>
<td>2.4%</td>
</tr>
<tr>
<td>Total Chromium</td>
<td>865.7</td>
<td>985.0</td>
<td>119.3</td>
<td>13.8%</td>
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<tr>
<td>Total Copper</td>
<td>3,991.8</td>
<td>3,713.6</td>
<td>-278.2</td>
<td>-7.0%</td>
</tr>
<tr>
<td>Total Lead</td>
<td>714.1</td>
<td>711.0</td>
<td>-3.1</td>
<td>-0.43%</td>
</tr>
<tr>
<td>Total Mercury</td>
<td>4.06</td>
<td>5.25</td>
<td>1.19</td>
<td>29.3%</td>
</tr>
<tr>
<td>Total Nickel</td>
<td>1,345.8</td>
<td>947.8</td>
<td>-398.0</td>
<td>-29.6%</td>
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<tr>
<td>Total Silver</td>
<td>265.7</td>
<td>272.1</td>
<td>6.4</td>
<td>2.4%</td>
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<tr>
<td>Total Zinc</td>
<td>7,531.5</td>
<td>7,041.0</td>
<td>-490.5</td>
<td>-6.5%</td>
</tr>
<tr>
<td>Total Metals</td>
<td>14,884.1</td>
<td>13,845.2</td>
<td>-1,039.0</td>
<td>-7.0%</td>
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<tr>
<td>Total Cyanide</td>
<td>274.2</td>
<td>315.2</td>
<td>41.0</td>
<td>15.0%</td>
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