§ 468.15 Pretreatment standards for new sources (PSNS).

Except as provided in 40 CFR 403.7, any new source subject to this subpart which introduces pollutants into a publicly owned treatment works must comply with 40 CFR part 403 and achieve the following pretreatment standards for new sources:

(a) Subpart A—Hot Rolling Spent Lubricant PSNS.

<table>
<thead>
<tr>
<th>Pollutant or pollutant property</th>
<th>Maximum for any 1 day</th>
<th>Maximum for monthly average</th>
</tr>
</thead>
<tbody>
<tr>
<td>Metric units—mg/off-kg of copper or copper alloy hot rolled</td>
<td></td>
<td></td>
</tr>
<tr>
<td>English units—pounds per 1,000,000 off-pounds of copper or copper alloy hot rolled</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chromium</td>
<td>0.038</td>
<td>0.015</td>
</tr>
<tr>
<td>Copper</td>
<td>0.131</td>
<td>0.062</td>
</tr>
<tr>
<td>Lead</td>
<td>0.011</td>
<td>0.0092</td>
</tr>
<tr>
<td>Nickel</td>
<td>0.136</td>
<td>0.083</td>
</tr>
<tr>
<td>Zinc</td>
<td>0.108</td>
<td>0.043</td>
</tr>
<tr>
<td>TTO</td>
<td>0.042</td>
<td>0.042</td>
</tr>
<tr>
<td>Oil and grease 1</td>
<td>1.030</td>
<td>1.030</td>
</tr>
</tbody>
</table>

(b) Subpart A—Cold Rolling Spent Lubricant PSNS.

<table>
<thead>
<tr>
<th>Pollutant or pollutant property</th>
<th>Maximum for any 1 day</th>
<th>Maximum for monthly average</th>
</tr>
</thead>
<tbody>
<tr>
<td>Metric units—mg/off-kg of copper or copper alloy cold rolled</td>
<td></td>
<td></td>
</tr>
<tr>
<td>English units—pounds per 1,000,000 off-pounds of copper or copper alloy cold rolled</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chromium</td>
<td>0.140</td>
<td>0.056</td>
</tr>
<tr>
<td>Copper</td>
<td>0.485</td>
<td>0.231</td>
</tr>
<tr>
<td>Lead</td>
<td>0.037</td>
<td>0.034</td>
</tr>
<tr>
<td>Nickel</td>
<td>0.208</td>
<td>0.140</td>
</tr>
<tr>
<td>Zinc</td>
<td>0.386</td>
<td>0.159</td>
</tr>
<tr>
<td>TTO</td>
<td>0.128</td>
<td>0.128</td>
</tr>
<tr>
<td>Oil and grease 1</td>
<td>3.790</td>
<td>3.790</td>
</tr>
</tbody>
</table>

(c) Subpart A—Drawing Spent Lubricant PSNS.

<table>
<thead>
<tr>
<th>Pollutant or pollutant property</th>
<th>Maximum for any 1 day</th>
<th>Maximum for monthly average</th>
</tr>
</thead>
<tbody>
<tr>
<td>Metric units—mg/off-kg of copper or copper alloy formed</td>
<td></td>
<td></td>
</tr>
<tr>
<td>English units—pounds per 1,000,000 off-pounds of copper or copper alloy formed</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chromium</td>
<td>0.009</td>
<td>0.003</td>
</tr>
<tr>
<td>Copper</td>
<td>0.041</td>
<td>0.021</td>
</tr>
<tr>
<td>Lead</td>
<td>0.003</td>
<td>0.002</td>
</tr>
<tr>
<td>Nickel</td>
<td>0.041</td>
<td>0.027</td>
</tr>
<tr>
<td>Zinc</td>
<td>0.031</td>
<td>0.013</td>
</tr>
<tr>
<td>TTO</td>
<td>0.014</td>
<td>0.007</td>
</tr>
<tr>
<td>Oil and grease 1</td>
<td>0.436</td>
<td>0.261</td>
</tr>
</tbody>
</table>

1 For alternate monitoring.
Environmental Protection Agency § 468.15

<table>
<thead>
<tr>
<th>Pollutant or pollutant property</th>
<th>Maximum for any 1 day</th>
<th>Maximum for monthly average</th>
</tr>
</thead>
<tbody>
<tr>
<td>Metric units—mg/off-kg of copper or copper alloy drawn</td>
<td>English units—pounds per 1,000,000 off-pounds of copper or copper alloy drawn</td>
<td></td>
</tr>
<tr>
<td>Chromium</td>
<td>0.031</td>
<td>0.012</td>
</tr>
<tr>
<td>Copper</td>
<td>0.108</td>
<td>0.051</td>
</tr>
<tr>
<td>Lead</td>
<td>0.0085</td>
<td>0.0076</td>
</tr>
<tr>
<td>Nickel</td>
<td>0.046</td>
<td>0.031</td>
</tr>
<tr>
<td>Zinc</td>
<td>0.086</td>
<td>0.035</td>
</tr>
<tr>
<td>TTO</td>
<td>0.028</td>
<td>0.028</td>
</tr>
<tr>
<td>Oil and grease</td>
<td>0.850</td>
<td>0.850</td>
</tr>
</tbody>
</table>

¹For alternate monitoring.

(d) Subpart A—Solution Heat Treatment PSNS.

<table>
<thead>
<tr>
<th>Pollutant or pollutant property</th>
<th>Maximum for any 1 day</th>
<th>Maximum for monthly average</th>
</tr>
</thead>
<tbody>
<tr>
<td>Metric units—mg/off-kg of copper or copper alloy heat treated</td>
<td>English units—pounds per 1,000,000 off-pounds of copper or copper alloy heat treated</td>
<td></td>
</tr>
<tr>
<td>Chromium</td>
<td>0.239</td>
<td>0.096</td>
</tr>
<tr>
<td>Copper</td>
<td>0.826</td>
<td>0.394</td>
</tr>
<tr>
<td>Lead</td>
<td>0.064</td>
<td>0.058</td>
</tr>
<tr>
<td>Nickel</td>
<td>0.355</td>
<td>0.239</td>
</tr>
<tr>
<td>Zinc</td>
<td>0.658</td>
<td>0.271</td>
</tr>
<tr>
<td>TTO</td>
<td>0.219</td>
<td>0.219</td>
</tr>
<tr>
<td>Oil and grease</td>
<td>6.460</td>
<td>6.460</td>
</tr>
</tbody>
</table>

¹For alternate monitoring.

(e) Subpart A—Extrusion Heat Treatment PSNS.

<table>
<thead>
<tr>
<th>Pollutant or pollutant property</th>
<th>Maximum for any 1 day</th>
<th>Maximum for monthly average</th>
</tr>
</thead>
<tbody>
<tr>
<td>Metric units—mg/off-kg of copper or copper alloy heat treated on an extrusion press</td>
<td>English units—pounds per 1,000,000 off-pounds of copper or copper alloy heat treated on an extrusion press</td>
<td></td>
</tr>
<tr>
<td>Chromium</td>
<td>0.00074</td>
<td>0.00030</td>
</tr>
<tr>
<td>Copper</td>
<td>0.0020</td>
<td>0.0010</td>
</tr>
<tr>
<td>Lead</td>
<td>0.00020</td>
<td>0.00018</td>
</tr>
<tr>
<td>Nickel</td>
<td>0.0010</td>
<td>0.00074</td>
</tr>
<tr>
<td>Zinc</td>
<td>0.0020</td>
<td>0.00084</td>
</tr>
<tr>
<td>TTO</td>
<td>0.00068</td>
<td>0.00068</td>
</tr>
<tr>
<td>Oil and grease</td>
<td>0.020</td>
<td>0.020</td>
</tr>
</tbody>
</table>

¹For alternate monitoring.

(f) Subpart A—Annealing with Water PSNS.

(g) Subpart A—Annealing With Oil PSNS.

<table>
<thead>
<tr>
<th>Pollutant or pollutant property</th>
<th>Maximum for any 1 day</th>
<th>Maximum for monthly average</th>
</tr>
</thead>
<tbody>
<tr>
<td>Metric units—mg/off-kg of copper or copper alloy annealed with oil</td>
<td>English units—pounds per 1,000,000 off-pounds of copper or copper alloy annealed with oil</td>
<td></td>
</tr>
<tr>
<td>Chromium</td>
<td>0.458</td>
<td>0.186</td>
</tr>
<tr>
<td>Copper</td>
<td>1.587</td>
<td>0.756</td>
</tr>
<tr>
<td>Lead</td>
<td>0.124</td>
<td>0.111</td>
</tr>
<tr>
<td>Nickel</td>
<td>0.682</td>
<td>0.458</td>
</tr>
<tr>
<td>Zinc</td>
<td>1.264</td>
<td>0.520</td>
</tr>
<tr>
<td>TTO</td>
<td>0.421</td>
<td>0.421</td>
</tr>
<tr>
<td>Oil and grease</td>
<td>12.400</td>
<td>12.400</td>
</tr>
</tbody>
</table>

¹For alternate monitoring.

(h) Subpart A—Alkaline Cleaning Rinse PSNS.

<table>
<thead>
<tr>
<th>Pollutant or pollutant property</th>
<th>Maximum for any 1 day</th>
<th>Maximum for monthly average</th>
</tr>
</thead>
<tbody>
<tr>
<td>Metric units—mg/off-kg of copper or copper alloy alkaline cleaned</td>
<td>English units—pounds per 1,000,000 off-pounds of copper or copper alloy alkaline cleaned</td>
<td></td>
</tr>
<tr>
<td>Chromium</td>
<td>1.559</td>
<td>0.632</td>
</tr>
<tr>
<td>Copper</td>
<td>5.393</td>
<td>2.570</td>
</tr>
<tr>
<td>Lead</td>
<td>0.421</td>
<td>0.379</td>
</tr>
<tr>
<td>Nickel</td>
<td>2.317</td>
<td>1.559</td>
</tr>
<tr>
<td>Zinc</td>
<td>4.296</td>
<td>1.769</td>
</tr>
<tr>
<td>TTO</td>
<td>1.432</td>
<td>1.432</td>
</tr>
<tr>
<td>Oil and grease</td>
<td>42.140</td>
<td>42.140</td>
</tr>
</tbody>
</table>

¹For alternate monitoring.

(i) Subpart A—Alkaline Cleaning Rinse for Forged Parts PSNS.
<table>
<thead>
<tr>
<th>Pollutant or pollutant property</th>
<th>Maximum for any 1 day</th>
<th>Maximum for monthly average</th>
</tr>
</thead>
<tbody>
<tr>
<td>Metric units—mg/off-kg of copper or copper alloy cleaned</td>
<td></td>
<td></td>
</tr>
<tr>
<td>English units—pounds per 1,000,000 off-pounds of copper or copper alloy cleaned</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chromium</td>
<td>4.677</td>
<td>1.896</td>
</tr>
<tr>
<td>Copper</td>
<td>16.181</td>
<td>7.711</td>
</tr>
<tr>
<td>Lead</td>
<td>1.264</td>
<td>1.137</td>
</tr>
<tr>
<td>Nickel</td>
<td>6.953</td>
<td>4.677</td>
</tr>
<tr>
<td>Zinc</td>
<td>12.894</td>
<td>5.309</td>
</tr>
<tr>
<td>TTO</td>
<td>4.298</td>
<td>4.298</td>
</tr>
<tr>
<td>Oil and grease</td>
<td>126.420</td>
<td>126.420</td>
</tr>
</tbody>
</table>

1 For alternate monitoring.

### Subpart A—Alkaline Cleaning Bath PSNS.

<table>
<thead>
<tr>
<th>Pollutant or pollutant property</th>
<th>Maximum for any 1 day</th>
<th>Maximum for monthly average</th>
</tr>
</thead>
<tbody>
<tr>
<td>Metric units—mg/off-kg of copper or copper alloy cleaned</td>
<td></td>
<td></td>
</tr>
<tr>
<td>English units—pounds per 1,000,000 off-pounds of copper or copper alloy cleaned</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chromium</td>
<td>0.017</td>
<td>0.0070</td>
</tr>
<tr>
<td>Copper</td>
<td>0.059</td>
<td>0.028</td>
</tr>
<tr>
<td>Lead</td>
<td>0.0046</td>
<td>0.0042</td>
</tr>
<tr>
<td>Nickel</td>
<td>0.025</td>
<td>0.017</td>
</tr>
<tr>
<td>Zinc</td>
<td>0.047</td>
<td>0.019</td>
</tr>
<tr>
<td>TTO</td>
<td>0.015</td>
<td>0.015</td>
</tr>
<tr>
<td>Oil and grease</td>
<td>0.46</td>
<td>0.46</td>
</tr>
</tbody>
</table>

1 For alternate monitoring.

### Subpart A—Pickling Rinse PSNS.

<table>
<thead>
<tr>
<th>Pollutant or pollutant property</th>
<th>Maximum for any 1 day</th>
<th>Maximum for monthly average</th>
</tr>
</thead>
<tbody>
<tr>
<td>Metric units—mg/off-kg of copper or copper alloy pickled</td>
<td></td>
<td></td>
</tr>
<tr>
<td>English units—pounds per 1,000,000 off-pounds of copper or copper alloy pickled</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chromium</td>
<td>0.216</td>
<td>0.087</td>
</tr>
<tr>
<td>Copper</td>
<td>0.748</td>
<td>0.356</td>
</tr>
<tr>
<td>Lead</td>
<td>0.058</td>
<td>0.052</td>
</tr>
<tr>
<td>Nickel</td>
<td>0.321</td>
<td>0.216</td>
</tr>
<tr>
<td>Zinc</td>
<td>0.596</td>
<td>0.245</td>
</tr>
<tr>
<td>TTO</td>
<td>0.198</td>
<td>0.198</td>
</tr>
<tr>
<td>Oil and grease</td>
<td>5.850</td>
<td>5.850</td>
</tr>
</tbody>
</table>

1 For alternate monitoring.

### Subpart A—Pickling Fume Scrubber PSNS.

<table>
<thead>
<tr>
<th>Pollutant or pollutant property</th>
<th>Maximum for any 1 day</th>
<th>Maximum for monthly average</th>
</tr>
</thead>
<tbody>
<tr>
<td>Metric units—mg/off-kg of copper or copper alloy pickled</td>
<td></td>
<td></td>
</tr>
<tr>
<td>English units—pounds per 1,000,000 off-pounds of copper or copper alloy pickled</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chromium</td>
<td>0.231</td>
<td>0.093</td>
</tr>
<tr>
<td>Copper</td>
<td>0.801</td>
<td>0.381</td>
</tr>
<tr>
<td>Lead</td>
<td>0.062</td>
<td>0.056</td>
</tr>
<tr>
<td>Nickel</td>
<td>0.344</td>
<td>0.231</td>
</tr>
<tr>
<td>Zinc</td>
<td>0.638</td>
<td>0.262</td>
</tr>
<tr>
<td>TTO</td>
<td>0.212</td>
<td>0.212</td>
</tr>
<tr>
<td>Oil and grease</td>
<td>6.260</td>
<td>6.260</td>
</tr>
</tbody>
</table>

1 For alternate monitoring.

### Subpart A—Tumbling or Burring PSNS.
<table>
<thead>
<tr>
<th>Pollutant or pollutant property</th>
<th>Maximum for any 1 day</th>
<th>Maximum for monthly average</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Chromium</strong></td>
<td>0.215 0.087</td>
<td>0.087</td>
</tr>
<tr>
<td><strong>Copper</strong></td>
<td>0.746 0.355</td>
<td>0.355</td>
</tr>
<tr>
<td><strong>Lead</strong></td>
<td>0.058 0.052</td>
<td>0.052</td>
</tr>
<tr>
<td><strong>Nickel</strong></td>
<td>0.320 0.215</td>
<td>0.215</td>
</tr>
<tr>
<td><strong>Zinc</strong></td>
<td>0.594 0.244</td>
<td>0.244</td>
</tr>
<tr>
<td><strong>TTO</strong></td>
<td>0.198 0.198</td>
<td>0.198</td>
</tr>
<tr>
<td><strong>Oil and grease</strong></td>
<td>5.830 5.830</td>
<td>5.830</td>
</tr>
</tbody>
</table>

*For alternate monitoring.*

<table>
<thead>
<tr>
<th>Pollutant or pollutant property</th>
<th>Maximum for any 1 day</th>
<th>Maximum for monthly average</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Chromium</strong></td>
<td>0.274 0.111</td>
<td>0.111</td>
</tr>
<tr>
<td><strong>Copper</strong></td>
<td>0.951 0.453</td>
<td>0.453</td>
</tr>
<tr>
<td><strong>Lead</strong></td>
<td>0.074 0.066</td>
<td>0.066</td>
</tr>
<tr>
<td><strong>Nickel</strong></td>
<td>0.408 0.274</td>
<td>0.274</td>
</tr>
<tr>
<td><strong>Zinc</strong></td>
<td>0.757 0.312</td>
<td>0.312</td>
</tr>
<tr>
<td><strong>TTO</strong></td>
<td>0.252 0.252</td>
<td>0.252</td>
</tr>
<tr>
<td><strong>Oil and grease</strong></td>
<td>7.430 7.430</td>
<td>7.430</td>
</tr>
</tbody>
</table>

*For alternate monitoring.*