§ 464.24

Any new source subject to this subpart must achieve the following new source performance standards (NSPS), except that non-continuous dischargers shall not be subject to the maximum day and maximum for monthly average mass (kg/1,000 kg or lb/million lb of metal poured; kg/62.3 million Sm³ or lb/billion SCF of air scrubbed) effluent standards for copper, lead, zinc, total phenols, oil and grease, and TSS. For non-continuous dischargers, annual average mass standards and maximum day and maximum for monthly average concentration (mg/l) standards shall apply. Concentration standards and annual average mass standards shall only apply to non-continuous dischargers.

(a) Casting Quench Operations.

(b) Grinding Scrubber Operations. No discharge of process wastewater pollutants to navigable waters.

(c) Investment Casting.

(d) Melting Furnace Scrubber Operations.

(e) Mold Cooling Operations.
Pollutant or pollutant property | Maximum for any 1 day (mg/l) | Maximum for monthly average (mg/l) | Annual average |
---|---|---|---|
Copper (T) | 0.77 | 0.42 | 0.0068 |
Lead (T) | 0.53 | 0.26 | 0.006 |
Zinc (T) | 0.76 | 0.29 | 0.0072 |
Oil and grease | 30 | 10 | 0.199 |
TSS | 15 | 12 | 0.104 |

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**Direct Chill Casting Operations.**

| Pollutant or pollutant property | Maximum for any 1 day (mg/l) | Maximum for monthly average (mg/l) | Annual average |
---|---|---|---|
Copper (T) | 8.37 | 3.19 |
Lead (T) | 5.84 | 2.86 |
Zinc (T) | 8.48 | 28.6 |
Oil and grease | 330 | 110 |
TSS | 165 | 132 |

**Grinding Scrubber Operations.**

| Pollutant or pollutant property | Maximum for any 1 day (mg/l) | Maximum for monthly average (mg/l) | Annual average |
---|---|---|---|
Copper (T) | 0.77 | 0.42 | 0.122 |
Lead (T) | 0.53 | 0.26 | 0.108 |
Zinc (T) | 0.76 | 0.29 | 0.129 |
Total phenols | 0.86 | 0.3 | 0.144 |
Oil and grease | 30 | 10 | 3.59 |
TSS | 15 | 12 | 1.87 |

**Investment Casting.**

| Pollutant or pollutant property | Maximum for any 1 day (mg/l) | Maximum for monthly average (mg/l) | Annual average |
---|---|---|---|
Copper (T) | 0.77 | 0.42 | 0.122 |
Lead (T) | 0.53 | 0.26 | 0.108 |
Zinc (T) | 0.76 | 0.29 | 0.129 |
Total phenols | 0.86 | 0.3 | 0.144 |
Oil and grease | 30 | 10 | 3.59 |
TSS | 15 | 12 | 1.87 |

**Dust Collection Scrubber Operations.**

| Pollutant or pollutant property | Maximum for any 1 day (mg/l) | Maximum for monthly average (mg/l) | Annual average |
---|---|---|---|
Copper (T) | 0.553 | 0.301 |
Lead (T) | 0.38 | 0.187 |
Zinc (T) | 0.545 | 0.208 |
Total phenols | 0.617 | 0.215 |
Oil and grease | 21.5 | 7.18 |
TSS | 10.8 | 8.61 |

**Melting Furnace Scrubber Operations.**

| Pollutant or pollutant property | Maximum for any 1 day (mg/l) | Maximum for monthly average (mg/l) | Annual average |
---|---|---|---|
Copper (T) | 0.77 | 0.42 | 0.122 |
Lead (T) | 0.53 | 0.26 | 0.108 |
Zinc (T) | 0.76 | 0.29 | 0.129 |
Total phenols | 0.86 | 0.3 | 0.144 |
Oil and grease | 30 | 10 | 3.59 |
TSS | 15 | 12 | 1.87 |

1 kg/1,000 kg (pounds per million pounds) of metal poured.

2 These concentrations must be multiplied by the ratio of (4.8/x) where x is the actual normalized process wastewater flow (in gallons per 1,000 pounds of metal poured) for a specific plant.

3 Within the range of 7.0 to 10.0 at all times.

Within the range of 7.0 to 10.0 at all times.

1 Within the range of 7.0 to 10.0 at all times.

1 Within the range of 7.0 to 10.0 at all times.

1 kg/62.3 million Sm3 (pounds per billion SCF) of air scrubbed.

2 These concentrations must be multiplied by the ratio of (0.086/x) where x is the actual normalized process wastewater flow (in gallons per 1,000 SCF of air scrubbed) for a specific plant.

3 Within the range of 7.0 to 10.0 at all times.

1 kg/62.3 million Sm3 (pounds per billion SCF) of air scrubbed.

2 These concentrations must be multiplied by the ratio of (0.086/x) where x is the actual normalized process wastewater flow (in gallons per 1,000 SCF of air scrubbed) for a specific plant.

3 Within the range of 7.0 to 10.0 at all times.

Within the range of 7.0 to 10.0 at all times.
§ 464.25 Pretreatment standards for existing sources.

Except as provided in 40 CFR 403.7
and 403.13, any existing 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 existing sources.

(a) Casting Quench Operations.

<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>kg/62.3 million Sm$^3$ (pounds per billion SCF) of air scrubbed</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Copper (T)</td>
<td>1.81</td>
<td>0.988</td>
</tr>
<tr>
<td>Lead (T)</td>
<td>1.25</td>
<td>0.612</td>
</tr>
<tr>
<td>Zinc (T)</td>
<td>1.79</td>
<td>0.673</td>
</tr>
<tr>
<td>Total phenols</td>
<td>2.02</td>
<td>0.706</td>
</tr>
<tr>
<td>Oil and grease</td>
<td>70.6</td>
<td>23.5</td>
</tr>
<tr>
<td>TSS</td>
<td>36.3</td>
<td>28.2</td>
</tr>
<tr>
<td>pH</td>
<td>(1)</td>
<td>(1)</td>
</tr>
</tbody>
</table>

1 Within the range of 7.0 to 10.0 at all times.

(b) Direct Chill Casting Operations.

<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>kg/1000 kg (pounds per million pounds) of metal poured</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Copper (T)</td>
<td>0.0307</td>
<td>0.0168</td>
</tr>
<tr>
<td>Lead (T)</td>
<td>0.0211</td>
<td>0.0104</td>
</tr>
<tr>
<td>Zinc (T)</td>
<td>0.0303</td>
<td>0.0116</td>
</tr>
<tr>
<td>TTO</td>
<td>0.0335</td>
<td>0.0109</td>
</tr>
<tr>
<td>Oil and grease (for alternate monitoring)</td>
<td>1.2</td>
<td>0.399</td>
</tr>
</tbody>
</table>

(c) Dust Collection Scrubber Operations.

<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>kg/62.3 million Sm$^3$ (pounds per billion SCF) of air scrubbed</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Copper (T)</td>
<td>0.552</td>
<td>0.301</td>
</tr>
<tr>
<td>Lead (T)</td>
<td>0.38</td>
<td>0.187</td>
</tr>
<tr>
<td>Zinc (T)</td>
<td>0.545</td>
<td>0.208</td>
</tr>
<tr>
<td>Total phenols</td>
<td>0.617</td>
<td>0.215</td>
</tr>
<tr>
<td>TTO</td>
<td>1.65</td>
<td>0.54</td>
</tr>
<tr>
<td>Oil and grease (for alternate monitoring)</td>
<td>21.5</td>
<td>7.18</td>
</tr>
</tbody>
</table>

(d) Grinding Scrubber Operations. No discharge of process wastewater pollutants to a POTW.

(e) Investment Casting.