(c) Melting Furnace Scrubber Operations.

**BAT EFFLUENT LIMITATIONS**

<table>
<thead>
<tr>
<th>Pollutant or pollutant property</th>
<th>Maximum for any 1 day</th>
<th>Maximum for monthly average</th>
<th>Annual average</th>
</tr>
</thead>
<tbody>
<tr>
<td>kg/62.3 million Sm³ (pounds per billion SCF) of air scrubbed</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Copper (T)</td>
<td>1.56</td>
<td>0.852</td>
<td></td>
</tr>
<tr>
<td>Lead (T)</td>
<td>1.07</td>
<td>0.527</td>
<td></td>
</tr>
<tr>
<td>Zinc (T)</td>
<td>1.54</td>
<td>0.588</td>
<td></td>
</tr>
<tr>
<td>Total phenols</td>
<td>1.74</td>
<td>0.608</td>
<td></td>
</tr>
</tbody>
</table>

1 kg/62.3 million Sm³ (pounds per billion SCF) of air scrubbed. 2 These concentrations must be multiplied by the ratio of (0.243/(1.044/x)) where x is the actual normalized process wastewater flow (in gallons per 1,000 pounds of metal poured) for a specific plant.

(d) Mold Cooling Operations.

**BAT EFFLUENT LIMITATIONS**

<table>
<thead>
<tr>
<th>Pollutant or pollutant property</th>
<th>Maximum for any 1 day</th>
<th>Maximum for monthly average</th>
<th>Annual average</th>
</tr>
</thead>
<tbody>
<tr>
<td>kg/1,000 kg (pounds per million pounds of metal poured)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Copper (T)</td>
<td>0.304</td>
<td>0.166</td>
<td></td>
</tr>
<tr>
<td>Lead (T)</td>
<td>0.209</td>
<td>0.103</td>
<td></td>
</tr>
<tr>
<td>Zinc (T)</td>
<td>0.3</td>
<td>0.114</td>
<td></td>
</tr>
<tr>
<td>Oil and grease</td>
<td>1.34</td>
<td>0.446</td>
<td></td>
</tr>
<tr>
<td>TSS</td>
<td>0.67</td>
<td>0.536</td>
<td></td>
</tr>
<tr>
<td>pH</td>
<td>(1)</td>
<td>(1)</td>
<td></td>
</tr>
</tbody>
</table>

1 kg/1,000 kg (pounds per million pounds of metal poured). 2 These concentrations must be multiplied by the ratio of (47.3/(1.044/x)) where x is the actual normalized process wastewater flow (in gallons per 1,000 pounds of metal poured) for a specific plant.

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.

**NSPS**

<table>
<thead>
<tr>
<th>Pollutant or pollutant property</th>
<th>Maximum for any 1 day</th>
<th>Maximum for monthly average</th>
<th>Annual average</th>
</tr>
</thead>
<tbody>
<tr>
<td>kg/1,000 kg (pounds per million pounds of metal poured)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Copper (T)</td>
<td>0.0344</td>
<td>0.0187</td>
<td></td>
</tr>
<tr>
<td>Lead (T)</td>
<td>0.0237</td>
<td>0.0116</td>
<td></td>
</tr>
<tr>
<td>Zinc (T)</td>
<td>0.0339</td>
<td>0.0129</td>
<td></td>
</tr>
<tr>
<td>Oil and grease</td>
<td>1.34</td>
<td>0.446</td>
<td></td>
</tr>
<tr>
<td>TSS</td>
<td>0.67</td>
<td>0.536</td>
<td></td>
</tr>
<tr>
<td>pH</td>
<td>(1)</td>
<td>(1)</td>
<td></td>
</tr>
</tbody>
</table>

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

Pollutant or pollutant property | Maximum for any 1 day | Maximum for monthly average
--- | --- | ---
Copper (T) | 0.0066 kg/1,000 kg | 0.0036 kg/1,000 kg of metal poured
Lead (T) | 0.0046 kg/1,000 kg | 0.0022 kg/1,000 kg of metal poured
Zinc (T) | 0.0066 kg/1,000 kg | 0.0025 kg/1,000 kg of metal poured
Total phenols | 0.0074 kg/1,000 kg | 0.0026 kg/1,000 kg of metal poured
Oil and grease | 0.259 kg/1,000 kg | 0.0864 kg/1,000 kg of metal poured
TSS | 0.13 kg/1,000 kg | 0.104 kg/1,000 kg of metal poured
pH | (1) | (1)

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

Maximum for any 1 day | Maximum for monthly average | Annual average
--- | --- | ---
Copper (T) | 0.77 mg/l | 0.42 mg/l
Lead (T) | 0.53 mg/l | 0.26 mg/l
Zinc (T) | 0.76 mg/l | 0.29 mg/l
Total phenols | 0.86 mg/l | 0.3 mg/l
Oil and grease | 30 mg/l | 10 mg/l
TSS | 15 mg/l | 12 mg/l
pH | (1) | (1)

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

NSPS

Pollutant or pollutant property | Maximum for any 1 day | Maximum for monthly average
--- | --- | ---
Copper (T) | 0.77 kg/62.3 million Sm³ | 0.42 kg/62.3 million Sm³ of air scrubbed
Lead (T) | 0.53 kg/62.3 million Sm³ | 0.26 kg/62.3 million Sm³ of air scrubbed
Zinc (T) | 0.76 kg/62.3 million Sm³ | 0.29 kg/62.3 million Sm³ of air scrubbed
Total phenols | 0.86 kg/62.3 million Sm³ | 0.3 kg/62.3 million Sm³ of air scrubbed
Oil and grease | 30 kg/62.3 million Sm³ | 10 kg/62.3 million Sm³ of air scrubbed
TSS | 15 kg/62.3 million Sm³ | 12 kg/62.3 million Sm³ of air scrubbed
pH | (1) | (1)

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

2 These concentrations must be multiplied by the ratio of (1.04/x) where x is the actual normalized process wastewater flow (in gallons per 1,000 pounds of metal poured) for a specific plant.

Within the range of 7.0 to 10.0 at all times.

(c) Melting Furnace Scrubber Operations.

NSPS

Pollutant or pollutant property | Maximum for any 1 day | Maximum for monthly average
--- | --- | ---
Copper (T) | 0.304 kg/1,000 kg | 0.166 kg/1,000 kg of metal poured
Lead (T) | 0.209 kg/1,000 kg | 0.103 kg/1,000 kg of metal poured
Zinc (T) | 0.3 kg/1,000 kg | 0.114 kg/1,000 kg of metal poured
Oil and grease | 30 kg/1,000 kg | 10 kg/1,000 kg of metal poured
TSS | 15 kg/1,000 kg | 12 kg/1,000 kg of metal poured
pH | (1) | (1)

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

2 These concentrations must be multiplied by the ratio of (47.3/x) where x is the actual normalized process wastewater flow (in gallons per 1,000 SCF of air scrubbed) for a specific plant.

Within the range of 7.0 to 10.0 at all times.

(d) Mold Cooling Operations.

NSPS

Pollutant or pollutant property | Maximum for any 1 day | Maximum for monthly average
--- | --- | ---
Copper (T) | 1.56 kg/62.3 million Sm³ | 0.852 kg/62.3 million Sm³ of air scrubbed
Lead (T) | 1.07 kg/62.3 million Sm³ | 0.527 kg/62.3 million Sm³ of air scrubbed
Zinc (T) | 1.54 kg/62.3 million Sm³ | 0.588 kg/62.3 million Sm³ of air scrubbed
Total phenols | 1.74 kg/62.3 million Sm³ | 0.608 kg/62.3 million Sm³ of air scrubbed
Oil and grease | 60.8 kg/62.3 million Sm³ | 20.3 kg/62.3 million Sm³ of air scrubbed
TSS | 30.4 kg/62.3 million Sm³ | 24.3 kg/62.3 million Sm³ of air scrubbed
pH | (1) | (1)

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

2 These concentrations must be multiplied by the ratio of (0.243/x) where x is the actual normalized process wastewater flow (in gallons per 1,000 SCF of air scrubbed) for a specific plant.

Within the range of 7.0 to 10.0 at all times.

§ 464.45 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.


§ 464.45 Pretreatment standards for existing sources.