§ 464.04 Guidelines and standards in direct discharge permits and for pretreatment standards. Compliance with the monthly average effluent limitations guidelines and standards is required regardless of the number of samples analyzed and averaged.

§ 464.04 Compliance date for PSES.
The compliance date of PSES is October 31, 1988.

Subpart A—Aluminum Casting Subcategory

§ 464.10 Applicability; description of the aluminum casting subcategory.
The provisions of this subpart are applicable to discharges to waters of the United States and to the introduction of pollutants into publicly owned treatment works resulting from aluminum casting operations as defined in § 464.02(a).

§ 464.11 Specialized definitions.
For the purpose of this subpart,
(a) Total toxic organics (TTO). TTO is a regulated parameter under PSES (§ 464.15) and PSNS (§ 464.16) for the aluminum subcategory and is comprised of a discrete list of toxic organic pollutants for each process segment where it is regulated, as follows:
   (1) Casting Quench (§ 464.15(b) and § 464.16(b)):
       4. benzene
       21. 2,4,6-trichlorophenol
       22. Para-chloro meta-cresol
       23. chloroform (trichloromethane)
       34. 2,4-dimethylphenol
       39. fluoranthene
       44. methylene chloride (trichloromethane)
       65. phenol
       66. bis(2-ethylhexyl) phthalate
       67. butyl benzyl phthalate
       84. pyrene
       85. tetrachloroethylene
       87. trichloroethylene
   (2) Die Casting (§ 464.15(c) and § 464.16(c)):
       1. acenaphthene
       4. benzene
       7. chlorobenzene
       11. 1,1,1-trichloroethane
       21. 2,4,6-trichlorophenol
       22. para-chloro meta-cresol
       23. chloroform (trichloromethane)
       34. 2,4-dimethylphenol
       39. fluoranthene
       44. methylene chloride (dichloromethane)
       55. napthalene
       65. phenol
       66. bis(2-ethylhexyl) phthalate
       67. butyl benzyl phthalate
       68. di-n-butyl phthalate
       70. diethyl phthalate
       72. benzo (a)anthracene (1,2-benzanthracene)
       73. benzo (a)pyrene (3,4-benzopyrene)
       76. chrysene
       78. anthracene
       80. fluorene
       81. phenanthrene
       84. pyrene
       85. tetrachloroethylene
       86. toluene
(3) Dust Collection Scrubber (§ 464.15(d) and § 464.16(d)):
       1. acenaphthene
       21. 2,4,6-trichlorophenol
       23. chloroform (trichloromethane)
       34. 2,4-dimethylphenol
       39. fluoranthene
       44. methylene chloride (dichloromethane)
       65. phenol
       66. bis(2-ethylhexyl) phthalate
       68. di-n-butyl phthalate
       70. diethyl phthalate
       73. benzo (a)pyrene (3,4-benzopyrene)
       84. pyrene
(4) Investment Casting (§ 464.15(f) and § 464.16(f)):
       11. 1,1,1-trichloroethane
       23. chloroform (trichloromethane)
       44. methylene chloride (dichloromethane)
       66. bis (2-ethylhexyl) phthalate
       84. pyrene
       85. tetrachloroethylene
       87. trichloroethylene
(5) Melting Furnace Scrubber (§ 464.15(g) and § 464.16(g)):
       1. acenaphthene
       21. 2,4,6-trichlorophenol
       23. chloroform (trichloromethane)
       34. 2,4-dimethylphenol
       39. fluoranthene
       44. methylene chloride (dichloromethane)
       65. phenol
       66. bis (2-ethylhexyl) phthalate
       68. di-n-butyl phthalate
       70. diethyl phthalate
       73. benzo (a)pyrene (3,4-benzopyrene)
       84. pyrene
(6) Mold Cooling (§ 464.15(h) and § 464.16(h)):
       4. benzene
       21. 2,4,6-trichlorophenol
       22. para-chloro meta-cresol
       23. chloroform (trichloromethane)
       34. 2,4-dimethylphenol
       39. fluoranthene
Environmental Protection Agency

§ 464.12 Effluent limitations guidelines representing the degree of effluent reduction attainable by the application of the best practicable control technology currently available.

Except as provided in 40 CFR 125.30 through 125.32, any existing point source subject to this subpart must achieve the following effluent limitations representing the degree of effluent reduction attainable by the application of the best practicable control technology currently available, except that non-continuous dischargers shall not be subject to the maximum day and maximum for monthly average mass (kg/1,000 kkg of metal poured; kg/62.3 million Sm³ or lb/billion SCF of air scrubbed) effluent limitations for copper, lead, zinc, total phenols, oil and grease, and TSS. For non-continuous dischargers, annual average mass limitations and maximum day and maximum for monthly average concentration (mg/l) limitations shall apply. Concentration limitation and annual average mass limitation shall only apply to non-continuous dischargers.

(a) Casting Cleaning Operations.

BPT EFFLUENT LIMITATIONS

<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>Copper (T)</td>
<td>0.077</td>
<td>0.42</td>
</tr>
<tr>
<td>Lead (T)</td>
<td>0.79</td>
<td>0.39</td>
</tr>
<tr>
<td>Zinc (T)</td>
<td>1.14</td>
<td>0.43</td>
</tr>
<tr>
<td>Oil &amp; grease</td>
<td>30</td>
<td>10</td>
</tr>
<tr>
<td>TSS</td>
<td>38</td>
<td>15</td>
</tr>
<tr>
<td>pH</td>
<td>(1)</td>
<td>(1)</td>
</tr>
</tbody>
</table>

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

(b) Casting Quench Operations.

BPT EFFLUENT LIMITATIONS

<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>Copper (T)</td>
<td>0.0093</td>
<td>0.0051</td>
</tr>
<tr>
<td>Lead (T)</td>
<td>0.0096</td>
<td>0.0047</td>
</tr>
<tr>
<td>Zinc (T)</td>
<td>0.0138</td>
<td>0.0052</td>
</tr>
<tr>
<td>Oil &amp; grease</td>
<td>0.363</td>
<td>0.121</td>
</tr>
<tr>
<td>TSS</td>
<td>0.46</td>
<td>0.182</td>
</tr>
<tr>
<td>pH</td>
<td>(1)</td>
<td>(1)</td>
</tr>
</tbody>
</table>

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

(c) Die Casting Operations.

BPT EFFLUENT LIMITATIONS

<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>Copper (T)</td>
<td>0.77</td>
<td>0.42</td>
</tr>
<tr>
<td>Lead (T)</td>
<td>0.79</td>
<td>0.39</td>
</tr>
<tr>
<td>Zinc (T)</td>
<td>1.14</td>
<td>0.43</td>
</tr>
<tr>
<td>Oil &amp; grease</td>
<td>30</td>
<td>10</td>
</tr>
<tr>
<td>TSS</td>
<td>38</td>
<td>15</td>
</tr>
<tr>
<td>pH</td>
<td>(1)</td>
<td>(1)</td>
</tr>
</tbody>
</table>

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