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| | Maximum for any 1 day | Maximum for monthly average | Annual aver- age ¹ |
|------------|-----------------------------|-----------------------------------|-------------------------------------|
| | (mg/ | (mg/ l) ² | |
| Copper (T) | 0.77 | 0.42 | 0.0076 |
| Lead (T) | 0.53 | 0.26 | 0.0067 |
| Zinc (T) | 0.76 | 0.29 | 0.008 |

¹ kg/1,000 kkg (pounds per million pounds) of metal poured.
² These concentrations must be multiplied by the ratio of (5.34/x) where x is the actual normalized process wastewater flow (in gallons per 1,000 pounds of metal poured) for a specific plant.

(b) Die Casting Operations.

BAT EFFLUENT LIMITATIONS

| Pollutant or pollutant pr | roperty | | mum for / 1 day | | ximum for hthly aver- age |
|---------------------------|-----------------|------|--------------------------------------|-----|--------------------------------------|
| | | lior | | | ds per mil- of metal |
| Copper (T) | | | 0.0066 0.0046 0.0066 0.0074 | | 0.0036 0.0022 0.0025 0.0026 |
| | Maxim for an | y 1 | Maximu for mont average | hly | Annual aver- age 1 |

| | Maximum for any 1 day | Maximum for monthly average | Annual aver- age 1 |
|---------------|-----------------------------|-----------------------------------|--------------------------|
| | (mg/ l) ² | (mg/ l) ² | |
| Copper (T) | 0.77 | 0.42 | 0.0015 |
| Lead (T) | 0.53 | 0.26 | 0.0013 |
| Zinc (T) | 0.76 | 0.29 | 0.0016 |
| Total phenols | 0.86 | 0.3 | 0.0017 |

¹ kg/1,000 kkg (pounds per million pounds) of metal poured. ²These 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 sleaf

(c) Melting Furnace Scrubber Operations.

BAT EFFLUENT LIMITATIONS

| Pollutant or pollutant property | Maximum for any 1 day | Maximum for monthly aver- age |
|---------------------------------|---|-------------------------------------|
| | kg/62.3 million Sm³ (pounds p billion SCF) of air scrubbed | |
| Copper (T) | 1.56 | 0.852 |
| Lead (T) | 1.07 | 0.527 |
| Zinc (T) | 1.54 | 0.588 |
| Total phenolse | 1.74 | 0.608 |

| Maximum for any 1 day | Maximum for monthly average | Annual average 1 |
|-----------------------------|-----------------------------------|---------------------|
| (mg/ | (mg/ | |

| | Maximum for any 1 day | Maximum for monthly average | Annual average 1 |
|---------------|-----------------------------|-----------------------------|------------------|
| Copper (T) | 0.77 | 0.42 | 0.345 |
| Lead (T) | 0.53 | 0.26 | 0.304 |
| Zinc (T) | 0.76 | 0.29 | 0.365 |
| Total phenols | 0.86 | 0.3 | 0.406 |

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

(d) Mold Cooling Operations.

BAT EFFLUENT LIMITATIONS

| Pollutant or pollutant property | Maximum for any 1 day | Maximum for monthly average |
|---------------------------------|---|-----------------------------------|
| | kg/1,000 kkg (pounds per lion pounds) of n poured | |
| Copper (T) | 0.304 | 0.166 |
| Lead (T) | 0.209 | 0.103 |
| Zinc (T) | 0.3 | 0.114 |

| | Maximum for any 1 day | Maximum for monthly average | Annual av- erage ¹ |
|------------------------------------|---|---|----------------------------------|
| Copper (T) Lead (T) Zinc (T) | (mg/l) ² 0.77 0.53 0.76 | (mg/l) ² 0.42 0.26 0.29 | 0.067 0.0591 0.071 |

¹ kg/1,000 kkg (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 pounds of metal poured) for a specific plant.

[50 FR 45247, Oct. 30, 1985; 51 FR 21762, June 16, 1986]

§464.44 New source performance standards.

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 kkg 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.

^{&#}x27;kg/b2.3 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 pounds of metal poured) for a specific plant.

§ 464.44

NSPS

| Pollutant or pollutant property | Maximum for any 1 day Maximum monthly a age | |
|--|--|-------------------------------------|
| | kg/1,000 kkg (pounds per m lion pounds) of me poured | |
| Copper (T) Lead (T) Zinc (T) Oil and grease | 0.0344 0.0237 0.0339 1.34 | 0.0187 0.0116 0.0129 0.446 |
| TSSpH | 0.67 (¹) | 0.536 (¹) |

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

| | Maximum for any 1 day | Maximum for monthly average | Annual aver- age ¹ |
|----------|-----------------------------|-----------------------------|----------------------------------|
| | (mg/l) ² | (mg/l) ² | |
| Copper | , | `` • ′ | |
| (T) | 0.77 | 0.42 | 0.0076 |
| Lead (T) | 0.53 | 0.26 | 0.0067 |
| Zinc (T) | 0.76 | 0.29 | 0.008 |
| Oil and | | | |
| grease | 30 | 10 | 0.223 |
| TSS | 15 | 12 | 0.116 |
| pH | (3) | (3) | (3) |

¹ kg/1,000 kkg (pounds per million pounds) of metal poured.
² These concentrations must be multiplied by the ratio of (5.34/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.

(b) Die Casting Operations.

NSPS

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

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

| | Maximum for any 1 day | Maximum for monthly average | Annual aver- age ¹ |
|----------|-----------------------------|-----------------------------|----------------------------------|
| | (mg/l) ² | (mg/l) ² | |
| Copper | , , , | ` • ′ | |
| (T) | 0.77 | 0.42 | 0.0015 |
| Lead (T) | 0.53 | 0.26 | 0.0013 |
| Zinc (T) | 0.76 | 0.29 | 0.0016 |
| Total | | | |
| phenols | 0.86 | 0.3 | 0.0017 |
| Oil and | | | |
| grease | 30 | 10 | 0.0432 |
| TSS | 15 | 12 | 0.0225 |
| pH | (3) | (3) | (3) |

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

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²These 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.

³Within 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 |
|--|---|--|
| | kg/62.3 million Sm³ (pounds per billion SCF) of air scrubbed | |
| Copper (T) Lead (T) Zinc (T) Total phenols Oil and grease TSS pH | 1.56 1.07 1.54 1.74 60.8 30.4 | 0.852 0.527 0.588 0.608 20.3 24.3 |

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

| | Maximum for any 1 day | Maximum for monthly average | Annual aver- age ¹ |
|----------|-----------------------------|-----------------------------|----------------------------------|
| | (mg/l) ² | (mg/l) ² | |
| Copper | | | |
| (T) | 0.77 | 0.42 | 0.345 |
| Lead (T) | 0.53 | 0.26 | 0.304 |
| Zinc (T) | 0.76 | 0.29 | 0.365 |
| Total | | | |
| phenols | 0.86 | 0.3 | 0.406 |
| Oil and | | | |
| grease | 30 | 10 | 10.1 |
| TSS | 15 | 12 | 5.27 |
| pH | (3) | (3) | (3) |

 $^{^{1}\}mbox{kg/62.3}$ million $\mbox{Sm}^{\,3}$ (pounds per billion SCF) of air scrubbed.

NSPS

| Pollutant or pollutant property | Maximum for any 1 day | Maximum for monthly average | |
|------------------------------------|---|-----------------------------|--|
| | kg/1,000 kkg (pounds per million pounds) of metal poured | | |
| Copper (T) Lead (T) Zinc (T) | 0.304 0.209 0.3 | 0.166 0.103 0.114 | |
| Oil and grease | 11.8 5.91 | 3.94 4.73 | |
| pH | (¹) | (¹) | |

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

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.

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

⁽d) Mold Cooling Operations.

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| | Maximum for any 1 day | Maximum for monthly average | Annual av- erage ¹ |
|------------|-----------------------------|-----------------------------|----------------------------------|
| | (mg/l) ² | (mg/l) ² | |
| Copper (T) | 0.77 | 0.42 | 0.067 |
| Lead (T) | 0.53 | 0.26 | 0.0591 |
| Zinc (T) | 0.76 | 0.29 | 0.071 |
| Oil and | | | |
| grease | 30 | 10 | 1.97 |
| TSS | 15 | 12 | 1.03 |
| pH | (3) | (3) | (3) |

¹ kg/1,000 kkg (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 pounds of metal poured) for a specific plant.

[50 FR 45247, Oct. 30, 1985; 51 FR 21762, June 16, 1986]

§ 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.

(a) Casting Quench Operations.

PSES

| Pollutant or pollutant property | Maximum for any 1 day | Maximum for monthly average | |
|--|---|--------------------------------------|--|
| | kg/1,000 kkg (pounds per mil- lion pounds) of meta poured | | |
| Copper (T) Lead (T) Zinc (T) TTO Oil and grease (for alternate | 0.0344 0.0237 0.0339 0.093 | 0.0187 0.0116 0.0129 0.0304 | |
| monitoring) | 1.34 | 0.446 | |

(b) Die Casting Operations.

PSES

| Pollutant or pollutant property | Maximum for any 1 day | Maximum for monthly average |
|---------------------------------|--|--|
| | kg/1,000 kkg million pour poured) | (pounds per |
| Copper (T) | 0.0066 0.0046 0.0066 0.0074 0.0196 | 0.0036 0.0022 0.0025 0.0026 0.0064 |

(c) Melting Furnace Scrubber Operations.

PSES

| Pollutant or pollutant property | Maximum for any 1 day | Maximum for monthly average |
|---------------------------------|--------------------------------------|--|
| | | Sm³ (pounds SCF) of air |
| Copper (T) | 1.56 1.07 1.54 1.74 3.95 | 0.852 0.527 0.588 0.608 1.29 |
| monitoring) | 60.8 | 20.3 |

(d) Mold Cooling Operations.

PSES

| Pollutant or pollutant property | Maximum for any 1 day | Maximum for monthly average |
|---------------------------------|---|----------------------------------|
| | kg/1,000 kkg (p lion pound poured | oounds per mil- s) of metal |
| Copper (T) | 0.304 0.209 0.3 0.821 | 0.166 0.103 0.114 0.268 |
| monitoring) | 11.8 | 3.94 |

§464.46 Pretreatment standards for new sources.

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

(a) Casting Quench Operations.

PSNS

| Pollutant or pollutant property | Maximum for any 1 day | Maximum for monthly average |
|---------------------------------|---|-----------------------------|
| | kg/1,000 kkg (pounds per mi lion pounds) of meta poured | |
| Copper (T) Lead (T) | 0.0344 0.0237 | 0.0187 0.0116 |
| Zinc (T) | 0.0237 | 0.0110 |
| TTO | 0.093 | 0.0304 |
| Oil and grease (for alternate | | |
| monitoring) | 1.34 | 0.446 |

(b) Die Casting Operations.

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