

**Environmental Protection Agency**

**§ 464.25**

**NSPS**

| Pollutant or pollutant property | Maximum for any 1 day  | Maximum for monthly average |
|---------------------------------|--|-----------------------------|
|                                 | kg/62.3 million Sm <sup>3</sup> (pounds per billion SCF) of air scrubbed |                             |
| Copper (T) .....                | 1.81   | 0.988                       |
| Lead (T) .....                  | 1.25   | 0.612                       |
| Zinc (T) .....                  | 1.79   | 0.673                       |
| Total phenols .....             | 2.02   | 0.706                       |
| Oil and grease .....            | 70.6   | 23.5                        |
| TSS .....                       | 35.3   | 28.2                        |
| pH .....                        | ( <sup>1</sup> )   | ( <sup>1</sup> )            |

<sup>1</sup> Within the range of 7.0 to 10.0 at all times.

|                      | Maximum for any 1 day | Maximum for monthly average | Annual average <sup>1</sup> |
|----------------------|-----------------------|-----------------------------|-----------------------------|
|                      | (mg/l) <sup>2</sup>   |                             |                             |
| Copper (T) .....     | 0.77                  | 0.42                        | 0.4                         |
| Lead (T) .....       | 0.53                  | 0.26                        | 0.353                       |
| Zinc (T) .....       | 0.76                  | 0.29                        | 0.424                       |
| Total phenols .....  | 0.86                  | 0.3                         | 0.471                       |
| Oil and grease ..... | 30                    | 10                          | 11.8                        |
| TSS .....            | 15                    | 12                          | 6.12                        |
| pH .....             | ( <sup>3</sup> )      | ( <sup>3</sup> )            | ( <sup>3</sup> )            |

<sup>1</sup> kg/62.3 Sm<sup>3</sup> (pounds per billion SCF) of air scrubbed.  
<sup>2</sup> These concentrations must be multiplied by the ratio of (0.282/x) where x is the actual normalized process wastewater flow (in gallons per 1,000 SCF of air scrubbed) for a specific plant.  
<sup>3</sup> Within the range of 7.0 to 10.0 at all times.

**(g) Mold Cooling Operations.**

**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) .....                | 0.392  | 0.214                       |
| Lead (T) .....                  | 0.27   | 0.132                       |
| Zinc (T) .....                  | 0.387  | 0.148                       |
| Oil and grease .....            | 15.3   | 5.09                        |
| TSS .....                       | 7.63   | 6.11                        |
| pH .....                        | ( <sup>1</sup> )   | ( <sup>1</sup> )            |

<sup>1</sup> Within the range of 7.0 to 10.0 at all times.

|                      | Maximum for any 1 day | Maximum for monthly average | Annual average <sup>1</sup> |
|----------------------|-----------------------|-----------------------------|-----------------------------|
|                      | (mg/l) <sup>2</sup>   |                             |                             |
| Copper (T) .....     | 0.77                  | 0.42                        | 0.0865                      |
| Lead (T) .....       | 0.53                  | 0.26                        | 0.0763                      |
| Zinc (T) .....       | 0.76                  | 0.29                        | 0.0916                      |
| Oil and grease ..... | 30                    | 10                          | 2.54                        |
| TSS .....            | 15                    | 12                          | 1.32                        |
| pH .....             | ( <sup>3</sup> )      | ( <sup>3</sup> )            | ( <sup>3</sup> )            |

<sup>1</sup> kg/1,000 kkg (pounds per million pound) of metal poured.  
<sup>2</sup> These concentrations must be multiplied by the ratio of (61/x) where x is the actual normalized process wastewater flow (in gallons per 1,000 pounds of metal poured) for a specific plant.  
<sup>3</sup> Within the range of 7.0 to 10.0 at all times.

[50 FR 45247, Oct. 30, 1985; 51 FR 21761, June 16, 1986]

**§ 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.**

**PSES**

| Pollutant or pollutant property                 | Maximum for any 1 day                                   | Maximum for monthly average |
|---|---|-----------------------------|
|   | kg/1000 kkg (pounds per million pounds) of metal poured |                             |
| Copper (T) .....                                | 0.0307  | 0.0168                      |
| Lead (T) .....                                  | 0.0211  | 0.0104                      |
| Zinc (T) .....                                  | 0.0303  | 0.0116                      |
| TTO .....                                       | 0.0335  | 0.0109                      |
| Oil and grease (for alternate monitoring) ..... | 1.2   | 0.399                       |

**(b) Direct Chill Casting Operations.**

**PSES**

| 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) .....                | 0.928  | 0.506                       |
| Lead (T) .....                  | 0.639  | 0.314                       |
| Zinc (T) .....                  | 0.916  | 0.35                        |

**(c) Dust Collection Scrubber Operations.**

**PSES**

| Pollutant or pollutant property                 | Maximum for any 1 day  | Maximum for monthly average |
|---|--|-----------------------------|
|   | kg/62.3 million Sm <sup>3</sup> (pounds per billion SCF) of air scrubbed |                             |
| Copper (T) .....                                | 0.552  | 0.301                       |
| Lead (T) .....                                  | 0.38   | 0.187                       |
| Zinc (T) .....                                  | 0.545  | 0.208                       |
| Total phenols .....                             | 0.617  | 0.215                       |
| TTO .....                                       | 1.65   | 0.54                        |
| Oil and grease (for alternate monitoring) ..... | 21.5   | 7.18                        |

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

**(e) Investment Casting.**

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PSSES

| 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) .....                               | 8.48   | 4.63                        |
| Lead (T) .....                                 | 5.84   | 2.86                        |
| Zinc (T) .....                                 | 8.37   | 3.19                        |
| TTO .....                                      | 25.4   | 8.29                        |
| Oil and grease for alternate monitoring) ..... | 330  | 110                         |

(f) *Melting Furnace Scrubber Operations.*

PSSES

| Pollutant or pollutant property                 | Maximum for any 1 day  | Maximum for monthly average |
|---|--|-----------------------------|
|   | kg/62.3 million Sm <sup>3</sup> (pounds per billion SCF) of air scrubbed |                             |
| Copper (T) .....                                | 1.81   | 0.988                       |
| Lead (T) .....                                  | 1.25   | 0.612                       |
| Zinc (T) .....                                  | 1.79   | 0.673                       |
| Total phenols .....                             | 2.02   | 0.706                       |
| TTO .....                                       | 5.41   | 1.77                        |
| Oil and grease (for alternate monitoring) ..... | 70.6   | 23.5                        |

(g) *Mold Cooling Operations.*

PSSES

| 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) .....                                | 0.392  | 0.214                       |
| Lead (T) .....                                  | 0.27   | 0.132                       |
| Zinc (T) .....                                  | 0.387  | 0.148                       |
| TTO .....                                       | 0.428  | 0.14                        |
| Oil and grease (for alternate monitoring) ..... | 15.3   | 5.09                        |

§ 464.26 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 million pounds) of metal poured |                             |
| Copper (T) .....                                | 0.0307   | 0.0168                      |
| Lead (T) .....                                  | 0.0211   | 0.0104                      |
| Zinc (T) .....                                  | 0.0303   | 0.0116                      |
| TTO .....                                       | 0.0335   | 0.0109                      |
| Oil and grease (for alternate monitoring) ..... | 1.2  | 0.399                       |

(b) *Direct Chill Casting Operations.*

PSNS

| 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) .....                | 0.928  | 0.506                       |
| Lead (T) .....                  | 0.639  | 0.314                       |
| Zinc (T) .....                  | 0.916  | 0.35                        |

(c) *Dust Collection Scrubber Operations.*

PSNS

| Pollutant or pollutant property                 | Maximum for any 1 day  | Maximum for monthly average |
|---|--|-----------------------------|
|   | kg/62.3 Million Sm <sup>3</sup> (pounds per billion SCF) of air scrubbed |                             |
| Copper (T) .....                                | 0.552  | 0.301                       |
| Lead (T) .....                                  | 0.38   | 0.187                       |
| Zinc (T) .....                                  | 0.545  | 0.208                       |
| Total Phenols .....                             | 0.617  | 0.215                       |
| TTO .....                                       | 1.65   | 0.54                        |
| Oil and Grease (for alternate monitoring) ..... | 21.5   | 7.18                        |

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

(e) *Investment Casting.*