

§ 471.103

40 CFR Ch. I (7-1-10 Edition)

(j) *Mixing wet air pollution control scrubber blowdown.*

SUBPART J—BAT

| Pollutant or pollutant property | Maximum for any 1 day                                     | Maximum for monthly average |
|---------------------------------|---|-----------------------------|
|                                 | mg/off-kg (pounds per million off-pounds) of powder mixed |                             |
| Copper .....                    | 15.0  | 7.90                        |
| Cyanide .....                   | 2.29  | 0.948                       |
| Lead .....                      | 3.32  | 1.58                        |

(k) *Degreasing spent solvents—Subpart J—BAT.* There shall be no discharge of process wastewater pollutants.

[50 FR 34270, Aug. 23, 1985; 51 FR 2889, Jan. 22, 1986]

§ 471.103 **New source performance standards (NSPS).**

Any new source subject to this subpart must achieve the following new source performance standards (NSPS). The mass of pollutants in the metal powder process wastewater shall not exceed the following values:

(a) *Metal powder production atomization wastewater.*

SUBPART J—NSPS

| Pollutant or pollutant property | Maximum for any 1 day  | Maximum for monthly average |
|---------------------------------|--|-----------------------------|
|                                 | mg/off-kg (pounds per million off-pounds) of powder wet atomized |                             |
| Copper .....                    | 9.58   | 5.04                        |
| Cyanide .....                   | 1.46   | 0.605                       |
| Lead .....                      | 2.12   | 1.01                        |
| Oil and grease .....            | 101  | 60.5                        |
| TSS .....                       | 207  | 98.3                        |
| pH .....                        | ( <sup>1</sup> )   | ( <sup>1</sup> )            |

<sup>1</sup> Within the range of 7.5 to 10.0 at all times.

(b) *Sizing spent emulsions.*

SUBPART J—NSPS

| Pollutant or pollutant property | Maximum for any 1 day                                     | Maximum for monthly average |
|---------------------------------|---|-----------------------------|
|                                 | mg/off-kg (pounds per million off-pounds) of powder sized |                             |
| Copper .....                    | 0.028   | 0.015                       |
| Cyanide .....                   | 0.004   | 0.002                       |
| Lead .....                      | 0.006   | 0.003                       |
| Oil and grease .....            | 0.292   | 0.175                       |
| TSS .....                       | 0.599   | 0.285                       |
| pH .....                        | ( <sup>1</sup> )  | ( <sup>1</sup> )            |

<sup>1</sup> Within the range of 7.5 to 10.0 at all times.

(c) *Oil-resin impregnation wastewater—Subpart J—NSPS.* There shall be no discharge of process wastewater pollutants.

(d) *Steam treatment wet air pollution control scrubber blowdown.*

SUBPART J—NSPS

| Pollutant or pollutant property | Maximum for any 1 day  | Maximum for monthly average |
|---------------------------------|--|-----------------------------|
|                                 | mg/off-kg (pounds per million off-pounds) of powder metallurgy parts steam treated |                             |
| Copper .....                    | 0.151  | 0.079                       |
| Cyanide .....                   | 0.023  | 0.010                       |
| Lead .....                      | 0.033  | 0.016                       |
| Oil and grease .....            | 1.59   | 0.951                       |
| TSS .....                       | 3.25   | 1.55                        |
| pH .....                        | ( <sup>1</sup> )   | ( <sup>1</sup> )            |

<sup>1</sup> Within the range of 7.5 to 10.0 at all times.

(e) *Tumbling, burnishing and cleaning wastewater.*

SUBPART J—NSPS

| Pollutant or pollutant property | Maximum for any 1 day   | Maximum for monthly average |
|---------------------------------|---|-----------------------------|
|                                 | mg/off-kg (pounds per million off-pounds) of powder metallurgy parts tumbled, burnished, or cleaned |                             |
| Copper .....                    | 0.836   | 0.440                       |
| Cyanide .....                   | 0.128   | 0.053                       |
| Lead .....                      | 0.185   | 0.088                       |
| Oil and grease .....            | 8.80  | 5.28                        |
| TSS .....                       | 18.1  | 8.58                        |
| pH .....                        | ( <sup>1</sup> )  | ( <sup>1</sup> )            |

<sup>1</sup> Within the range of 7.5 to 10.0 at all times.

(f) *Sawing or grinding spent neat oils—Subpart J—NSPS.* There shall be no discharge of process wastewater pollutants.

(g) *Sawing or grinding spent emulsions.*

SUBPART J—NSPS

| Pollutant or pollutant property | Maximum for any 1 day   | Maximum for monthly average |
|---------------------------------|---|-----------------------------|
|                                 | mg/off-kg (pounds per million off-pounds) of powder metallurgy parts sawed or ground with emulsions |                             |
| Copper .....                    | 0.035   | 0.018                       |
| Cyanide .....                   | 0.005   | 0.002                       |
| Lead .....                      | 0.008   | 0.004                       |
| Oil and grease .....            | 0.362   | 0.217                       |
| TSS .....                       | 0.742   | 0.353                       |
| pH .....                        | ( <sup>1</sup> )  | ( <sup>1</sup> )            |

<sup>1</sup> Within the range of 7.5 to 10.0 at all times.

**Environmental Protection Agency**

**§471.104**

(h) *Sawing or grinding contact cooling water.*

**SUBPART J—NSPS**

| Pollutant or pollutant property | Maximum for any 1 day  | Maximum for monthly average |
|---------------------------------|--|-----------------------------|
|                                 | mg/off-kg (pounds per million off-pounds) of powder sawed or ground with contact cooling water |                             |
| Copper .....                    | 3.08   | 1.62                        |
| Cyanide .....                   | 0.470  | 0.195                       |
| Lead .....                      | 0.681  | 0.324                       |
| Oil and grease .....            | 32.4   | 19.5                        |
| TSS .....                       | 66.4   | 31.6                        |
| pH .....                        | ( <sup>1</sup> )   | ( <sup>1</sup> )            |

<sup>1</sup> Within the range of 7.5 to 10.0 at all times.

(i) *Hot pressing contact cooling water.*

**SUBPART J—NSPS**

| Pollutant or pollutant property | Maximum for any 1 day   | Maximum for monthly average |
|---------------------------------|---|-----------------------------|
|                                 | mg/off-kg (pounds per million off-pounds) of powder cooled after pressing |                             |
| Copper .....                    | 1.67  | 0.880                       |
| Cyanide .....                   | 0.255   | 0.106                       |
| Lead .....                      | 0.370   | 0.176                       |
| Oil and grease .....            | 17.6  | 10.6                        |
| TSS .....                       | 36.1  | 17.2                        |
| pH .....                        | ( <sup>1</sup> )  | ( <sup>1</sup> )            |

<sup>1</sup> Within the range of 7.5 to 10.0 at all times.

(j) *Mixing wet air pollution control scrubber blowdown.*

**SUBPART J—NSPS**

| Pollutant or pollutant property | Maximum for any 1 day                                     | Maximum for monthly average |
|---------------------------------|---|-----------------------------|
|                                 | mg/off-kg (pounds per million off-pounds) of powder mixed |                             |
| Copper .....                    | 15.0  | 7.90                        |
| Cyanide .....                   | 2.29  | 0.948                       |
| Lead .....                      | 3.32  | 1.58                        |
| Oil and grease .....            | 158   | 94.8                        |
| TSS .....                       | 324   | 154                         |
| pH .....                        | ( <sup>1</sup> )  | ( <sup>1</sup> )            |

<sup>1</sup> Within the range of 7.5 to 10.0 at all times.

(k) *Degreasing spent solvents—Subpart J—NSPS.* There shall be no discharge of process wastewater pollutants.

[50 FR 34270, Aug. 23, 1985; 51 FR 2889, Jan. 22, 1986]

**§471.104 Pretreatment standards for existing sources (PSES).**

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 by August 23, 1988 achieve the following pretreatment standards for existing sources (PSES). The mass of wastewater pollutants in metal powders process wastewater introduced into a POTW shall not exceed the following values:

(a) *Metal powder production atomization wastewater.*

**SUBPART J—PSES**

| Pollutant or pollutant property | Maximum for any 1 day  | Maximum for monthly average |
|---------------------------------|--|-----------------------------|
|                                 | mg/off-kg (pounds per million off-pounds) of powder wet atomized |                             |
| Copper .....                    | 9.58   | 5.040                       |
| Cyanide .....                   | 1.46   | 0.605                       |
| Lead .....                      | 2.12   | 1.01                        |

(b) *Sizing spent emulsions.*

**SUBPART J—PSES**

| Pollutant or pollutant property | Maximum for any 1 day                                     | Maximum for monthly average |
|---------------------------------|---|-----------------------------|
|                                 | mg/off-kg (pounds per million off-pounds) of powder sized |                             |
| Copper .....                    | 0.028   | 0.015                       |
| Cyanide .....                   | 0.004   | 0.002                       |
| Lead .....                      | 0.006   | 0.003                       |

(c) *Oil-resin impregnation wastewater—Subpart J—PSES.*

(d) *Steam treatment wet air pollution control scrubber blowdown.*

**SUBPART J—PSES**

| Pollutant or pollutant property | Maximum for any 1 day   | Maximum for monthly average |
|---------------------------------|---|-----------------------------|
|                                 | mg/off-kg (pounds per million off-pounds) of powder metallurgy part steam treated |                             |
| Copper .....                    | 1.51  | 0.792                       |
| Cyanide .....                   | 0.230   | 0.095                       |
| Lead .....                      | 0.333   | 0.159                       |

(e) *Tumbling, burnishing and cleaning wastewater.*