

§ 471.105

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

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 parts tumbled, burnished, or cleaned |                             |
| Copper .....                    | 8.36  | 4.40                        |
| Cyanide .....                   | 1.28  | 0.528                       |
| Lead .....                      | 1.85  | 0.880                       |

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

(g) *Sawing or grinding 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 metallurgy parts sawed or ground with emulsions |                             |
| Copper .....                    | 0.035   | 0.018                       |
| Cyanide .....                   | 0.005   | 0.002                       |
| Lead .....                      | 0.008   | 0.004                       |

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

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 sawed or ground with contact cooling water |                             |
| Copper .....                    | 3.08   | 1.62                        |
| Cyanide .....                   | 0.470  | 0.195                       |
| Lead .....                      | 0.681  | 0.324                       |

(i) *Hot pressing contact cooling water.*

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 cooled after pressing |                             |
| Copper .....                    | 16.7  | 8.80                        |
| Cyanide .....                   | 2.55  | 1.06                        |
| Lead .....                      | 3.70  | 1.76                        |

(j) *Mixing 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 mixed |                             |
| Copper .....                    | 15.0  | 7.90                        |
| Cyanide .....                   | 2.29  | 0.948                       |
| Lead .....                      | 3.32  | 1.58                        |

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

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

§ 471.105 Pretreatment standards for new sources (PSNS).

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

| 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                        |

(b) *Sizing spent emulsions.*

SUBPART J—PSNS

| 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                       |

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

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

**SUBPART J—PSNS**

| 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                       |

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

**SUBPART J—PSNS**

| 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                       |

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

(g) *Sawing or grinding spent emulsions.*

**SUBPART J—PSNS**

| 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                       |

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

**SUBPART J—PSNS**

| 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   | 1.620                       |
| Cyanide .....                   | 0.470  | 0.195                       |
| Lead .....                      | 0.681  | 0.324                       |

(i) *Hot pressing contact cooling water.*

**SUBPART J—PSNS**

| 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                       |

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

**SUBPART J—PSNS**

| 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—PSNS.* There shall be no discharge of process wastewater pollutants.

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

**§ 471.106 Effluent limitations representing the degree of effluent reduction attainable by the application of the best conventional pollutant control technology (BCT). [Reserved]**