

Environmental Protection Agency

§ 471.25

(e) *Direct chill casting contact cooling water.*

SUBPART B—PSES

| Pollutant or pollutant property | Maximum for any 1 day | Maximum for monthly average |
|---------------------------------|---|-----------------------------|
| | mg/off-kg (pounds per million off-pounds) of magnesium cast with direct chill methods | |
| Chromium | 1.74 | 0.711 |
| Zinc | 5.77 | 2.41 |
| Ammonia | 527 | 232 |
| Fluoride | 235 | 105 |

(f) *Surface treatment spent baths.*

SUBPART B—PSES

| Pollutant or pollutant property | Maximum for any 1 day | Maximum for monthly average |
|---------------------------------|--|-----------------------------|
| | mg/off-kg (pounds per million off-pounds) of magnesium surface treated | |
| Chromium | 0.205 | 0.084 |
| Zinc | 0.681 | 0.285 |
| Ammonia | 62.1 | 27.3 |
| Fluoride | 27.8 | 12.3 |

(g) *Surface treatment rinse.*

SUBPART B—PSES

| Pollutant or pollutant property | Maximum for any 1 day | Maximum for monthly average |
|---------------------------------|--|-----------------------------|
| | mg/off-kg (pounds per million off-pounds) of magnesium surface treated | |
| Chromium | 0.832 | 0.340 |
| Zinc | 2.76 | 1.16 |
| Ammonia | 252 | 111 |
| Fluoride | 113 | 49.9 |

(h) *Sawing or grinding spent emulsions.*

SUBPART B—PSES

| Pollutant or pollutant property | Maximum for any 1 day | Maximum for monthly average |
|---------------------------------|--|-----------------------------|
| | mg/off-kg (pounds per million off-pounds) of magnesium sawed or ground | |
| Chromium | 0.009 | 0.004 |
| Zinc | 0.029 | 0.012 |
| Ammonia | 2.60 | 1.15 |
| Fluoride | 1.16 | 0.515 |

(i) *Degreasing Spent Solvents—subpart B—PSES.* There shall be no discharge of process wastewater pollutants.

(j) *Wet air pollution control scrubber blowdown.*

SUBPART B—PSES

| Pollutant or pollutant property | Maximum for any 1 day | Maximum for monthly average |
|---------------------------------|--|-----------------------------|
| | mg/off-kg (pounds per million off-pounds) of magnesium sanded and repaired or forged | |
| Chromium | 0.273 | 0.112 |
| Zinc | 0.904 | 0.378 |
| Ammonia | 8.25 | 36.3 |
| Fluoride | 36.9 | 16.4 |

[50 FR 34270, Aug. 23, 1985; 51 FR 2884, Jan. 22, 1986]

§ 471.25 Pretreatment standards for new sources (PSNS).

Except as provided in 40 CFR 403.7, any new 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 new sources (PSNS). The mass of wastewater pollutants in magnesium forming process wastewater introduced into a POTW shall not exceed the following values:

(a) *Rolling spent emulsions.*

SUBPART B—PSNS

| Pollutant or pollutant property | Maximum for any 1 day | Maximum for monthly average |
|---------------------------------|--|-----------------------------|
| | mg/off-kg (pounds per million off-pounds) of magnesium rolled with emulsions | |
| Chromium | 0.028 | 0.011 |
| Zinc | 0.076 | 0.032 |
| Ammonia | 9.95 | 4.37 |
| Fluoride | 4.44 | 1.97 |

(b) *Forging spent lubricants—subpart B—PSNS.* There shall be no discharge of process wastewater pollutants.

(c) *Forging contact cooling water.*

SUBPART B—PSNS

| Pollutant or pollutant property | Maximum for any 1 day | Maximum for monthly average |
|---------------------------------|---|-----------------------------|
| | mg/off-kg (pounds per million off-pounds) of forged magnesium cooled with water | |
| Chromium | 0.107 | 0.044 |
| Zinc | 0.295 | 0.122 |
| Ammonia | 38.5 | 17.0 |
| Fluoride | 17.2 | 7.63 |

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(d) Forging equipment cleaning wastewater.

| SUBPART B—PSNS | | |
|---------------------------------|---|-----------------------------|
| Pollutant or pollutant property | Maximum for any 1 day | Maximum for monthly average |
| | mg/off-kg (pounds per million off-pounds) of magnesium forged | |
| Chromium | 0.002 | 0.0006 |
| Zinc | 0.004 | 0.002 |
| Ammonia | 0.532 | 0.234 |
| Fluoride | 0.238 | 0.106 |

(e) Direct chill casting contact cooling water.

| SUBPART B—PSNS | | |
|---------------------------------|---|-----------------------------|
| Pollutant or pollutant property | Maximum for any 1 day | Maximum for monthly average |
| | mg/off-kg (pounds per million off-pounds) of magnesium cast with direct chill methods | |
| Chromium | 1.46 | 0.593 |
| Zinc | 4.03 | 1.66 |
| Ammonia | 527 | 232 |
| Fluoride | 235 | 105 |

(f) Surface treatment spent baths.

| SUBPART B—PSNS | | |
|---------------------------------|--|-----------------------------|
| Pollutant or pollutant property | Maximum for any 1 day | Maximum for monthly average |
| | mg/off-kg (pounds per million off-pounds) of magnesium surface treated | |
| Chromium | 0.173 | 0.070 |
| Zinc | 0.476 | 0.196 |
| Ammonia | 62.1 | 27.3 |
| Fluoride | 27.8 | 12.3 |

(g) Surface treatment rinse.

| SUBPART B—PSNS | | |
|---------------------------------|--|-----------------------------|
| Pollutant or pollutant property | Maximum for any 1 day | Maximum for monthly average |
| | mg/off-kg (pounds per million off-pounds) of magnesium surface treated | |
| Chromium | 0.700 | 0.284 |
| Zinc | 1.93 | 0.794 |
| Ammonia | 252 | 111 |
| Fluoride | 113 | 49.9 |

(h) Sawing or grinding spent emulsions.

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SUBPART B—PSNS

| Pollutant or pollutant property | Maximum for any 1 day | Maximum for monthly average |
|---------------------------------|--|-----------------------------|
| | mg/off-kg (pounds per million off-pounds) of magnesium sawed or ground | |
| Chromium | 0.007 | 0.003 |
| Zinc | 0.020 | 0.008 |
| Ammonia | 2.60 | 1.15 |
| Fluoride | 1.16 | 0.515 |

(i) Degreasing spent solvents—subpart B—PSNS. There shall be no discharge of process wastewater pollutants.

(j) Wet air pollution control scrubber blowdown.

SUBPART B—PSNS

| Pollutant or pollutant property | Maximum for any 1 day | Maximum for monthly average |
|---------------------------------|--|-----------------------------|
| | mg/off-kg (pounds per million off-pounds) of magnesium sanded and repaired or forged | |
| Chromium | 0.229 | 0.093 |
| Zinc | 0.632 | 0.260 |
| Ammonia | 82.5 | 36.3 |
| Fluoride | 36.9 | 16.4 |

[50 FR 34270, Aug. 23, 1985; 51 FR 2884, Jan. 22, 1986]

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

Subpart C—Nickel-Cobalt Forming Subcategory

§ 471.30 Applicability; description of the nickel-cobalt forming subcategory.

This subpart applies to discharges of pollutants to waters of the United States, and introductions of pollutants into publicly owned treatment works from the process operations of the nickel-cobalt forming subcategory.