

§ 471.84

SUBPART H—NSPS

| Pollutant or pollutant property | Maximum for any 1 day | Maximum for monthly average |
|---------------------------------|---|-----------------------------|
| | mg/off-kg (pounds per million off-pounds) of zinc electrocoated | |
| Chromium | 0.085 | 0.035 |
| Copper | 0.293 | 0.140 |
| Cyanide | 0.046 | 0.019 |
| Zinc | 0.234 | 0.096 |
| Oil and grease | 2.29 | 2.29 |
| TSS | 3.44 | 2.75 |
| pH | (¹) | (¹) |

¹ Within the range of 7.5 to 10.0 at all times

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

[50 FR 34270, Aug. 23, 1985; 51 FR 2888, Jan. 22, 1986]

§ 471.84 Pretreatment standards for existing sources (PSES). [Reserved]

§ 471.85 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 the wastewater introduced into a POTW shall not exceed the following values:

(a) *Rolling spent neat oils—Subpart H—PSNS.* There shall be no discharge of process wastewater pollutants.

(b) *Rolling spent emulsions.*

SUBPART H—PSNS

| Pollutant or pollutant property | Maximum for any 1 day | Maximum for monthly average |
|---------------------------------|---|-----------------------------|
| | mg/off-kg (pounds per million off-pounds) of zinc rolled with emulsions | |
| Chromium | 0.0005 | 0.0002 |
| Copper | 0.002 | 0.0009 |
| Cyanide | 0.0003 | 0.0001 |
| Zinc | 0.002 | 0.0006 |

(c) *Rolling contact cooling water.*

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SUBPART H—PSNS

| Pollutant or pollutant property | Maximum for any 1 day | Maximum for monthly average |
|---------------------------------|---|-----------------------------|
| | mg/off-kg (pounds per million off-pounds) of zinc rolled with contact cooling water | |
| Chromium | 0.020 | 0.008 |
| Copper | 0.069 | 0.033 |
| Cyanide | 0.011 | 0.004 |
| Zinc | 0.055 | 0.023 |

(d) *Drawing spent emulsions.*

SUBPART H—PSNS

| Pollutant or pollutant property | Maximum for any 1 day | Maximum for monthly average |
|---------------------------------|--|-----------------------------|
| | mg/off-kg (pounds per million off-pounds) of zinc drawn with emulsions | |
| Chromium | 0.002 | 0.0009 |
| Copper | 0.008 | 0.004 |
| Cyanide | 0.001 | 0.0005 |
| Zinc | 0.006 | 0.003 |

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

SUBPART H—PSNS

| Pollutant or pollutant property | Maximum for any 1 day | Maximum for monthly average |
|---------------------------------|---|-----------------------------|
| | mg/off-kg (pounds per million off-pounds) of zinc cast by the direct chill method | |
| Chromium | 0.019 | 0.008 |
| Copper | 0.065 | 0.031 |
| Cyanide | 0.010 | 0.004 |
| Zinc | 0.052 | 0.021 |

(f) *Stationary casting contact cooling water—Subpart H—PSNS.* There shall be no discharge of process wastewater pollutants.

(g) *Heat treatment contact cooling water.*

SUBPART H—PSNS

| Pollutant or pollutant property | Maximum for any 1 day | Maximum for monthly average |
|---------------------------------|--|-----------------------------|
| | mg/off-kg (pounds per million off-pounds) of zinc heat treated | |
| Chromium | 0.029 | 0.012 |
| Copper | 0.098 | 0.047 |
| Cyanide | 0.016 | 0.006 |
| Zinc | 0.078 | 0.032 |

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(h) *Surface treatment spent baths.*

| SUBPART H—PSNS | | |
|---------------------------------|---|-----------------------------|
| Pollutant or pollutant property | Maximum for any 1 day | Maximum for monthly average |
| | mg/off-kg (pounds per million off-pounds) of zinc surface treated | |
| Chromium | 0.033 | 0.014 |
| Copper | 0.114 | 0.054 |
| Cyanide | 0.018 | 0.007 |
| Zinc | 0.091 | 0.038 |

(i) *Surface treatment rinse.*

| SUBPART H—PSNS | | |
|---------------------------------|---|-----------------------------|
| Pollutant or pollutant property | Maximum for any 1 day | Maximum for monthly average |
| | mg/off-kg (pounds per million off-pounds) of zinc surface treated | |
| Chromium | 0.133 | 0.054 |
| Copper | 0.459 | 0.219 |
| Cyanide | 0.072 | 0.029 |
| Zinc | 0.365 | 0.151 |

(j) *Alkaline cleaning spent baths.*

| SUBPART H—PSNS | | |
|---------------------------------|--|-----------------------------|
| Pollutant or pollutant property | Maximum for any 1 day | Maximum for monthly average |
| | mg/off-kg (pounds per million off-pounds) of zinc alkaline cleaned | |
| Chromium | 0.002 | 0.0006 |
| Copper | 0.005 | 0.002 |
| Cyanide | 0.0007 | 0.0003 |
| Zinc | 0.004 | 0.002 |

(k) *Alkaline cleaning rinse.*

| SUBPART H—PSNS | | |
|---------------------------------|--|-----------------------------|
| Pollutant or pollutant property | Maximum for any 1 day | Maximum for monthly average |
| | mg/off-kg (pounds per million off-pounds) of zinc alkaline cleaned | |
| Chromium | 0.626 | 0.254 |
| Copper | 2.17 | 1.03 |
| Cyanide | 0.338 | 0.134 |
| Zinc | 1.73 | 0.710 |

(l) *Sawing or grinding spent emulsions.*

SUBPART H—PSNS

| Pollutant or pollutant property | Maximum for any 1 day | Maximum for monthly average |
|---------------------------------|--|-----------------------------|
| | mg/off-kg (pounds per million off-pounds) of zinc sawed or ground with emulsions | |
| Chromium | 0.009 | 0.004 |
| Copper | 0.031 | 0.015 |
| Cyanide | 0.005 | 0.002 |
| Zinc | 0.025 | 0.010 |

(m) *Electrocoating rinse.*

SUBPART H—PSNS

| Pollutant or pollutant property | Maximum for any 1 day | Maximum for monthly average |
|---------------------------------|---|-----------------------------|
| | mg/off-kg (pounds per million off-pounds) of zinc electrocoated | |
| Chromium | 0.085 | 0.035 |
| Copper | 0.293 | 0.140 |
| Cyanide | 0.046 | 0.019 |
| Zinc | 0.234 | 0.096 |

(n) *Decreasing spent solvents— Subpart H—PSNS.* There shall be no discharge of process wastewater pollutants.

[50 FR 34270, Aug. 23, 1985; 51 FR 2888, Jan. 22, 1986]

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

Subpart I—Zirconium-Hafnium Forming Subcategory

§ 471.90 Applicability; description of the zirconium-hafnium 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 zirconium-hafnium forming subcategory.

§ 471.91 Effluent limitations representing the degree of effluent reduction attainable by the application of the best practicable control technology currently available (BPT).

Except as provided in 40 CFR 125.30 through 125.32, any existing point