

**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

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(h) Sawing or grinding 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 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.