

**Environmental Protection Agency**

**§ 471.22**

**SUBPART B—BPT**

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
Oil and grease .....	79.0	47.4
TSS .....	162	77.1
pH .....		( <sup>1</sup> )

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

(f) *Surface treatment spent baths.*

**SUBPART B—BPT**

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
Oil and grease .....	9.32	5.59
TSS .....	19.1	9.09
pH .....		( <sup>1</sup> )

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

(g) *Surface treatment rinse.*

**SUBPART B—BPT**

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 .....	8.32	3.4
Zinc .....	27.6	11.5
Ammonia .....	2520	1110
Fluoride .....	1130	499
Oil and grease .....	378	227
TSS .....	775	369
pH .....		( <sup>1</sup> )

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

(h) *Sawing or grinding spent emulsions.*

**SUBPART B—BPT**

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
Oil and grease .....	0.390	0.234
TSS .....	0.800	0.381
pH .....		( <sup>1</sup> )

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

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

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

**SUBPART B—BPT**

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 .....	82.5	36.3
Fluoride .....	36.9	16.4
Oil and grease .....	12.4	7.43
TSS .....	25.4	12.1
pH .....		( <sup>1</sup> )

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

**§ 471.22 Effluent limitations representing the degree of effluent reduction attainable by the application of the best available technology economically achievable (BAT).**

Except as provided in 40 CFR 125.30 through 125.32, any existing point source subject to this subpart must achieve the following effluent limitations representing the degree of effluent reduction attainable by the application of the best available technology economically achievable (BAT):

(a) *Rolling spent emulsions.*

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40 CFR Ch. I (7-1-14 Edition)

SUBPART B—BAT

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 .....	0.033	0.014
Zinc .....	0.109	0.046
Ammonia .....	9.95	4.37
Fluoride .....	4.44	1.97

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

(c) *Forging contact cooling water.*

SUBPART B—BAT

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 .....	0.127	0.052
Zinc .....	0.422	0.177
Ammonia .....	38.5	17.0
Fluoride .....	17.2	7.63

(d) *Forging equipment cleaning wastewater.*

SUBPART B—BAT

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	0.0007
Zinc .....	0.006	0.003
Ammonia .....	0.532	0.234
Fluoride .....	0.238	0.106

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

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Zinc .....	5.77	2.41
Ammonia .....	527	232
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(f) *Surface treatment spent baths.*

SUBPART B—BAT

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Ammonia .....	62.1	27.3
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(g) *Surface treatment rinse.*

SUBPART B—BAT

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—BAT

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

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

SUBPART B—BAT

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