

Environmental Protection Agency

§ 421.84

BAT EFFLUENT LIMITATIONS

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of cathode zinc produced	
Cadmium .....	.086	.035
Copper .....	.553	.264
Lead .....	.121	.056
Zinc .....	.441	.182

(e) Subpart H—Cathode and Anode Wash Wastewater.

BAT EFFLUENT LIMITATIONS

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of cathode zinc produced	
Cadmium .....	.150	.060
Copper .....	.961	.458
Lead .....	.210	.098
Zinc .....	.766	.315

(f) Subpart H—Casting Wet Air Pollution Control.

BAT EFFLUENT LIMITATIONS

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of zinc cast	
Cadmium .....	.051	.021
Copper .....	.329	.157
Lead .....	.072	.033
Zinc .....	.262	.108

(g) Subpart H—Casting Contact Cooling.

BAT EFFLUENT LIMITATIONS

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of zinc cast	
Cadmium .....	.036	.014
Copper .....	.232	.110
Lead .....	.051	.024
Zinc .....	.185	.076

(h) Subpart H—Cadmium Plant Wastewater.

BAT EFFLUENT LIMITATIONS

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of cadmium produced	
Cadmium	1.234	.494
Copper	7.899	3.765
Lead	1.728	.802
Zinc	6.295	2.592

§ 421.84 Standards of performance for new sources.

Any new source subject to this subpart shall achieve the following new source performance standards:

(a) Subpart H—Zinc Reduction Furnace Wet Air Pollution Control.

NSPS

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of zinc reduced	
Cadmium .....	.334	.134
Copper	2.135	1.018
Lead .....	.467	.217
Zinc	1.702	.701
Total suspended solids	25.020	20.020
pH	(¹)	(¹)

¹ Within the range of 7.5 to 10.0 at all times.

(b) Subpart H—Preleach of Zinc Concentrates.

NSPS

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of concentrate leached	
Cadmium .....	.180	.072
Copper	1.153	.550
Lead .....	.252	.117
Zinc .....	.919	.378
Total suspended solids	13.520	10.810
pH	(¹)	(¹)

¹ Within the range of 7.5 to 10.0 at all times.

(c) Subpart H—Leaching Wet Air Pollution Control.

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NSPS

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of zinc processed through leaching	
Cadmium .....	.000	.000
Copper .....	.000	.000
Lead .....	.000	.000
Zinc .....	.000	.000
Total suspended solids .....	.000	.000
pH	(¹)	(¹)

¹ Within the range of 7.5 to 10.0 at all times.

(d) Subpart H—Electrolyte Bleed Wastewater.

NSPS

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of cathode zinc produced	
Cadmium .....	.086	.035
Copper .....	.553	.264
Lead .....	.121	.056
Zinc .....	.441	.182
Total suspended solids	6.480	5.184
pH	(¹)	(¹)

¹ Within the range of 7.5 to 10.0 at all times.

(e) Subpart H—Cathode and Anode Wash Wastewater.

NSPS

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of cathode zinc produced	
Cadmium .....	.150	.060
Copper .....	.961	.458
Lead .....	.210	.098
Zinc .....	.766	.315
Total suspended solids	11.270	9.012
pH	(¹)	(¹)

¹ Within the range of 7.5 to 10.0 at all times.

(f) Subpart H—Casting Wet Air Pollution Control.

NSPS

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of zinc cast	
Cadmium .....	.051	.021
Copper .....	.329	.157
Lead .....	.072	.033

NSPS—Continued

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
Zinc .....	.262	.108
Total suspended solids	3.855	3.084
pH	(¹)	(¹)

¹ Within the range of 7.5 to 10.0 at all times.

(g) Subpart H—Casting Contact Cooling.

NSPS

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of zinc cast	
Cadmium .....	.036	.014
Copper .....	.232	.110
Lead .....	.051	.024
Zinc .....	.185	.076
Total suspended solids	2.715	2.172
pH	(¹)	(¹)

¹ Within the range of 7.5 to 10.0 at all times.

(h) Subpart H—Cadmium Plant Wastewater.

NSPS

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of cadmium produced	
Cadmium	1.234	.494
Copper	7.899	3.765
Lead	1.728	.802
Zinc	6.295	2.592
Total suspended solids	92.570	74.050
pH	(¹)	(¹)

¹ Within the range of 7.5 to 10.0 at all times.

[49 FR 8808, Mar. 8, 1984; 49 FR 26739, June 29, 1984, as amended at 49 FR 29795, July 24, 1984]

§ 421.85 Pretreatment standards for existing sources.

Except as provided in 40 CFR 403.7 and 403.13, any existing 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 existing sources. The mass of wastewater pollutants in primary zinc process wastewater introduced into a POTW shall not exceed the following values:

(a) Subpart H—Zinc Reduction Furnace Wet Air Pollution Control.