

**Environmental Protection Agency**

**§ 421.36**

**PSES**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of dross washed	
Lead .....	3.043	1.413
Zinc .....	11.090	4.565
Ammonia (as N) .....	1,449.000	636.000

(d) Subpart C—Demagging Wet Air Pollution Control.

**PSES**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (lb/million lbs) of aluminum demagged	
Lead .....	0.216	0.100
Zinc .....	0.786	0.324
Ammonia (as N) .....	102.800	45.180

(e) Subpart C—Delacquering Wet Air Pollution Control.

**PSES**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of aluminum delacquered	
Lead .....	0.093	0.043
Zinc .....	0.340	0.140
Ammonia (as N) .....	44.389	19.514
Total phenolics (4-AAP method) <sup>1</sup> .....	0.004	.....

<sup>1</sup> At the source.

(f) Subpart C—Direct Chill Casting Contact Cooling.

**PSES**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of aluminum cast	
Lead .....	.372	.173
Zinc .....	1.356	.558
Ammonia (as N) .....	177.200	77.800

(g) Subpart C—Ingot Conveyor Casting Contact Cooling (When Chlorine Demagging Wet Air Pollution Control is Not Practiced On-Site).

**PSES**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (lb/million lbs) of aluminum cast	
Lead .....	0.019	0.009
Zinc .....	0.068	0.028
Ammonia (as N) .....	8.931	3.926

(h) Subpart C—Ingot Conveyor Casting Contact Cooling. (When Chlorine Demagging Wet Air Pollution Control is Practiced On Site.)

**PSES**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of aluminum cast	
Lead .....	.000	.000
Zinc .....	.000	.000
Ammonia (as N) .....	.000	.000

(i) Subpart C—Stationary Casting Contact Cooling.

**PSES**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of aluminum cast	
Lead .....	.000	.000
Zinc .....	.000	.000
Ammonia (as N) .....	.000	.000

(j) Subpart C—Shot Casting Contact Cooling.

**PSES**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of aluminum cast	
Lead .....	.000	.000
Zinc .....	.000	.000
Ammonia (as N) .....	.000	.000

[49 FR 8796, Mar. 8, 1984, as amended at 49 FR 29794, July 24, 1984; 52 FR 25560, July 7, 1987]

**§ 421.36 Pretreatment standards for new sources.**

Except as provided in 40 CFR 403.7, any new source subject to this subpart

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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. The mass of wastewater pollutants introduced in secondary aluminum process wastewater into a POTW shall not exceed the following values:

(a) Subpart C—Scrap Drying Wet Air Pollution Control.

PSNS

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of aluminum scrap dried	
Lead .....	.000	.000
Zinc .....	.000	.000
Ammonia (as N) .....	.000	.000

(b) Subpart C—Scrap Screening and Milling.

PSNS

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of aluminum scrap screened and milled	
Lead .....	.000	.000
Zinc .....	.000	.000
Ammonia (as N) .....	.000	.000

(c) Subpart C—Dross Washing.

PSNS

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of dross washed	
Lead .....	.000	.000
Zinc .....	.000	.000
Ammonia (as N) .....	.000	.000

(d) Subpart C—Demagging Wet Air Pollution Control.

PSNS

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (lb/million lbs) of aluminum demagged	
Lead .....	0.216	0.100
Zinc .....	0.786	0.324
Ammonia (as N) .....	102.800	45.180

(e) Subpart C—Delacquering Wet Air Pollution Control

PSNS

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of aluminum delacquered	
Lead .....	0.093	0.043
Zinc .....	0.340	0.140
Ammonia (as N) .....	44.389	19.514
Total phenolics (4-AAP method) <sup>1</sup> .....	0.004	.....

<sup>1</sup> At the source.

(f) Subpart C—Direct Chill Casting Contact Cooling.

PSNS

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of aluminum cast	
Lead .....	.372	.173
Zinc .....	1.356	.558
Ammonia (as N) .....	177.200	77.880

(g) Subpart C—Ingot Conveyor Casting Control Cooling (When Chlorine Demagging Wet Air Pollution Control is Not Practiced On-Site).

PSNS

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (lb/million lbs) of aluminum cast	
Lead .....	0.019	0.009
Zinc .....	0.068	0.028
Ammonia (as N) .....	8.931	3.926

(h) Subpart C—Ingot Conveyor Casting Contact Cooling (When Chlorine

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Demagging Wet Air Pollution Control Is Practiced on Site).

**PSNS**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of aluminum cast	
Lead .....	.000	.000
Zinc .....	.000	.000
Ammonia (as N) .....	.000	.000

(i) Subpart C—Stationary Casting Contact Cooling.

**PSNS**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of aluminum cast	
Lead .....	.000	.000
Zinc .....	.000	.000
Ammonia (as N) .....	.000	.000

(j) Subpart C—Shot Casting Contact Cooling.

**PSNS**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of aluminum cast	
Lead .....	.000	.000
Zinc .....	.000	.000
Ammonia (as N) .....	.000	.000

[49 FR 8796, Mar. 8, 1984, as amended at 49 FR 29794, July 24, 1984; 52 FR 25560, July 7, 1987]

**§ 421.37 [Reserved]**

**Subpart D—Primary Copper Smelting Subcategory**

SOURCE: 49 FR 8800, Mar. 8, 1984, unless otherwise noted.

**§ 421.40 Applicability: Description of the primary copper smelting subcategory.**

The provisions of this subpart apply to process wastewater discharges resulting from the primary smelting of copper from ore or ore concentrates. Primary copper smelting includes, but is not limited to, roasting, converting,

leaching if preceded by a pyrometallurgical step, slag granulation and dumping, fire refining, and the casting of products from these operations.

**§ 421.41 Specialized definitions.**

For the purpose of this subpart:

(a) Except as provided below, the general definitions, abbreviations, and methods of analysis set forth in 40 CFR part 401 apply to this subpart.

(b) In the event that the waste streams covered by this subpart are combined for treatment or discharge with waste streams covered by Subparts E—Primary Electrolytic Copper Refining and/or Subpart I—Metallurgical Acid Plants, the quantity of each pollutant or pollutant property discharged shall not exceed the quantity of each pollutant or pollutant property which could be discharged if each waste stream were discharged separately.

(c) For all impoundments constructed prior to the effective date of the interim final regulation (40 FR 8513), the term “within the impoundment,” when used to calculate the volume of process wastewater which may be discharged, means the water surface area within the impoundment at maximum capacity plus the surface area of the inside and outside slopes of the impoundment dam as well as the surface area between the outside edge of the impoundment dam and any seepage ditch adjacent to the dam upon which rain falls and is returned to the impoundment. For the purpose of such calculations, the surface area allowances set forth above shall not exceed more than 30 percent of the water surface area within the impoundment dam at maximum capacity.

(d) For all impoundments constructed on or after the effective date of the interim final regulation (the interim regulation was effective February 27, 1975; 40 FR 8513, February 27, 1975), the term “within the impoundment,” for purposes of calculating the volume of process wastewater which may be discharged, means the water surface area within the impoundment at maximum capacity.