

**Environmental Protection Agency**

**§ 421.34**

Demagging Wet Air Pollution Control is Not Practiced On-Site).

[49 FR 8796, Mar. 8, 1984; 49 FR 26739, June 29, 1984, as amended at 49 FR 29794, July 24, 1984; 52 FR 25559, July 7, 1987]

**BAT EFFLUENT LIMITATIONS**

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
Aluminum .....	0.409	0.182
Ammonia (as N) .....	8.931	3.926

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

**BAT EFFLUENT LIMITATIONS**

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
Aluminum .....	.000	.000
Ammonia (as N) .....	.000	.000

(i) Subpart C—Stationary 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 aluminum cast	
Lead .....	.000	.000
Zinc .....	.000	.000
Aluminum .....	.000	.000
Ammonia (as N) .....	.000	.000

(j) Subpart C—Shot 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 aluminum cast	
Lead .....	.000	.000
Zinc .....	.000	.000
Aluminum .....	.000	.000
Ammonia (as N) .....	.000	.000

**§ 421.34 Standards of performance for new sources.**

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

(a) Subpart C—Scrap Drying 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 aluminum scrap dried	
Lead .....	.000	.000
Zinc .....	.000	.000
Aluminum .....	.000	.000
Ammonia (as N) .....	.000	.000
Total suspended solids .....	.000	.000
Oil and grease .....	.000	.000
pH .....	( <sup>1</sup> )	( <sup>1</sup> )

<sup>1</sup> Within the range of 7.0 to 10.0 at all times

(b) Subpart C—Scrap Screening and Milling.

**NSPS**

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
Aluminum .....	.000	.000
Ammonia (as N) .....	.000	.000
Total suspended solids .....	.000	.000
Oil and grease .....	.000	.000
pH .....	( <sup>1</sup> )	( <sup>1</sup> )

<sup>1</sup> Within the range of 7.0 to 10.0 at all times.

(c) Subpart C—Dross Washing.

**NSPS**

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
Aluminum .....	.000	.000
Ammonia (as N) .....	.000	.000
Total suspended solids .....	.000	.000
Oil and grease .....	.000	.000

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NSPS—Continued

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
pH .....	( <sup>1</sup> )	( <sup>1</sup> )

<sup>1</sup> Within the range of 7.0 to 10.0 at all times.

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

NSPS

Pollutant or pollutant property	Maximum for monthly average	
	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
Aluminum .....	4.711	2.090
Ammonia (as N) .....	102.800	45.180
Total suspended solids .....	11.570	9.252
Oil and grease .....	7.710	7.710
pH .....	( <sup>1</sup> )	( <sup>1</sup> )

<sup>1</sup> Within the range of 7.0 to 10.0 at all times.

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

NSPS

Pollutant or pollutant property	Maximum for monthly average	
	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
Aluminum .....	2.035	0.903
Ammonia (as N) .....	44.389	19.514
Total phenolics (4-AAP method) <sup>1</sup> .....	0.004	.....
Total suspended solids .....	4.995	3.996
Oil and grease .....	3.330	3.330
pH .....	( <sup>2</sup> )	( <sup>2</sup> )

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

<sup>2</sup> Within the range of 7.0 to 10.0 at all times.

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

NSPS

Pollutant or pollutant property	Maximum for monthly average	
	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
Aluminum .....	8.120	3.602
Ammonia (as N) .....	177.200	77.880
Total suspended solids .....	19.940	15.950
Oil and grease .....	13.290	13.290

NSPS—Continued

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
pH .....	( <sup>1</sup> )	( <sup>1</sup> )

<sup>1</sup> Within the range of 7.0 to 10.0 at all times.

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

NSPS

Pollutant or pollutant property	Maximum for monthly average	
	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
Aluminum .....	0.409	0.182
Ammonia (as N) .....	8.931	3.926
Total suspended solids .....	1.005	0.804
Oil and grease .....	0.670	0.670
pH .....	( <sup>1</sup> )	( <sup>1</sup> )

<sup>1</sup> Within the range of 7.0 to 10.0 at all times.

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

NSPS

Pollutant or pollutant property	Maximum for monthly average	
	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of aluminum cast	
Lead .....	.000	.000
Zinc .....	.000	.000
Aluminum .....	.000	.000
Ammonia (as N) .....	.000	.000
Total suspended solids .....	.000	.000
Oil and grease .....	.000	.000
pH .....	( <sup>1</sup> )	( <sup>1</sup> )

<sup>1</sup> Within the range of 7.0 to 10.0 at all times.

(i) Subpart C—Stationary Casting Contact Cooling.

NSPS

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

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**NSPS—Continued**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
Oil and grease .....	.000	.000
pH .....	( <sup>1</sup> )	( <sup>1</sup> )

<sup>1</sup>Within the range of 7.0 to 10.0 at all times.

**(j) Subpart C—Shot Casting Contact Cooling.**

**NSPS**

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
Aluminum .....	.000	.000
Ammonia (as N) .....	.000	.000
Total suspended solids .....	.000	.000
Oil and grease .....	.000	.000
pH .....	( <sup>1</sup> )	( <sup>1</sup> )

<sup>1</sup>Within the range of 7.0 to 10.0 at all times.

[49 FR 8796, Mar. 8, 1984, as amended at 49 FR 29794, July 24, 1984; 52 FR 25559, July 7, 1987]

**§ 421.35 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 secondary aluminum process wastewater introduced into a POTW shall not exceed the following values:

**(a) Subpart C—Scrap Drying 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 scrap dried	
Lead .....	.000	.000
Zinc .....	.000	.000
Ammonia (as N) .....	.000	.000

**(b) Subpart C—Scrap Screening and Milling.**

**PSES**

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.**

**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.**