

Environmental Protection Agency

§ 421.32

PSNS

| Pollutant or pollutant property | Maximum for any 1 day | Maximum for monthly average |
|---------------------------------|--|-----------------------------|
| | mg/kg (pound per million pounds) of aluminum product from stationary casting or shot casting | |
| Benzo(a)pyrene | .000 | |
| Nickel | .000 | .000 |
| Fluoride | .000 | .000 |

[49 FR 8792, Mar. 8, 1984; 49 FR 26739, June 29, 1984, as amended at 52 FR 25559, July 7, 1987]

§ 421.27 [Reserved]

Subpart C—Secondary Aluminum Smelting Subcategory

SOURCE: 49 FR 8796, Mar. 8, 1984, unless otherwise noted.

§ 421.30 Applicability: Description of the secondary aluminum smelting subcategory.

The provisions of this subpart are applicable to discharges resulting from the recovery, processing, and remelting of aluminum scrap to produce metallic aluminum alloys.

§ 421.31 Specialized definitions.

For the purpose of this subpart:

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

(b) The term *product* shall mean hot aluminum metal.

(c) *At-the-source* means at or before the commingling of delacquering scrubber liquor blowdown with other process or nonprocess wastewaters.

§ 421.32 Effluent limitations guidelines representing the degree of effluent reduction attainable by the application of the best practicable control technology currently available.

Except as provided in 40 CFR 125.30 through 125.32, any existing point source subject to this subpart shall achieve the following effluent limitations representing the degree of effluent reduction attainable by the appli-

cation of the best practicable technology currently available:

(a) The following limitations establish the quantity or quality of pollutants or pollutant properties, which may be discharged by a point source subject to the provisions of this subpart and which uses water for metal cooling, after application of the best practicable control technology currently available: There shall be no discharge of process wastewater pollutants to navigable waters.

(b) The following limitations establish the quantity or quality of pollutants or pollutant properties which may be discharged by a point source subject to the provisions of this subpart and which uses aluminum fluoride in its magnesium removal process ("demagging process"), after application of the best practicable control technology currently available: There shall be no discharge of process wastewater pollutants to navigable waters.

(c) The following limitations establish the quantity or quality of pollutants or pollutant properties controlled by this section, which may be discharged by a point source subject to the provisions of this subpart and which uses chlorine in its magnesium removal process, after application of the best practicable control technology currently available:

EFFLUENT LIMITATIONS

| Effluent characteristic | Average of daily values for 30 consecutive days shall not exceed— |
|-------------------------|---|
| | Metric units (kilograms per 1,000 kg magnesium removed) |
| TSS | 175 |
| COD | 6.5 |
| pH | (1) |

¹ Within the range of 7.5 to 9.0.

(d) The following limitations establish the quantity or quality of pollutants or pollutant properties which may be discharged by a point source subject to the provisions of this subpart and which processes residues by wet methods, after application of the best practical control technology currently available:

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EFFLUENT LIMITATIONS

| Effluent characteristic | Average of daily values for 30 consecutive days shall not exceed— |
|-------------------------|---|
| | Metric units (kilograms per 1,000 kg of product) |
| TSS | 1.5 |
| Fluoride | 0.4 |
| Ammonia (as N) | 0.01 |
| Aluminum | 1.0 |
| Copper | 0.003 |
| COD | 1.0 |
| pH | (¹) |

¹ Within the range of 7.5 to 9.0.

§ 421.33 Effluent limitations guidelines representing the degree of effluent reduction attainable by the application of the best available technology economically achievable.

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

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

BAT EFFLUENT LIMITATIONS

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

(b) Subpart C—Scrap Screening and Milling.

BAT EFFLUENT LIMITATIONS

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

(c) Subpart C—Dross Washing.

BAT EFFLUENT LIMITATIONS

| Pollutant or pollutant property | Maximum for any 1 day | Maximum for monthly average |
|---------------------------------|--|-----------------------------|
| | mg/kg (pound's per million pounds) of dross washed | |
| Lead | 3.043 | 1.413 |
| Zinc | 11.090 | 4.565 |
| Aluminum | 66.410 | 29.450 |
| Ammonia (as N) | 1,449.000 | 636.900 |

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

BAT EFFLUENT LIMITATIONS

| 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 |
| Aluminum | 4.711 | 2.090 |
| Ammonia (as N) | 102.800 | 45.180 |

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

BAT EFFLUENT LIMITATIONS

| Pollutant or pollutant property | Maximum for any 1 day | Maximum for monthly average |
|---|--|-----------------------------|
| | mg/kg (pound's 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) ¹ | 0.004 | |

¹ At the source.

(f) Subpart C—Direct Chill 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 | .372 | .173 |
| Zinc | 1.356 | .558 |
| Aluminum | 8.120 | 3.602 |
| Ammonia (as N) | 177.200 | 77.880 |

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