

**Environmental Protection Agency**

**§ 467.13**

**SUBPART A**

*Cleaning or Etching Scrubber Liquor*

| Pollutant or pollutant property | BPT effluent limitations                                     |                             |
|---------------------------------|--|-----------------------------|
|                                 | Maximum for any 1 day  | Maximum for monthly average |
|                                 | mg/off-kg (lb/million off-lbs) of aluminum cleaned or etched |                             |
| Chromium .....                  | 7.00   | 2.86                        |
| Cyanide .....                   | 4.61   | 1.91                        |
| Zinc .....                      | 23.22  | 9.70                        |
| Aluminum .....                  | 102.24   | 50.88                       |
| Oil and grease .....            | 318.00   | 190.80                      |
| Suspended solids .....          | 651.90   | 310.05                      |
| pH .....                        | ( <sup>1</sup> )   | ( <sup>1</sup> )            |

<sup>1</sup> Within the range of 7.0 to 10 at all times.

[48 FR 49149, Oct. 24, 1983; 49 FR 11631 and 11632, Mar. 27, 1984]

**§ 467.13 Effluent limitations 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 must achieve the following effluent limitations representing the degree of effluent reduction attainable by the application of the best available technology economically achievable. The mass of pollutants in the core and ancillary operations' process wastewater shall not exceed the following values:

**SUBPART A**

*Core With an Annealing Furnace Scrubber*

| Pollutant or pollutant property | BAT effluent limitations   |                             |
|---------------------------------|--|-----------------------------|
|                                 | Maximum for any 1 day  | Maximum for monthly average |
|                                 | mg/off-kg (lb/million off-lbs) of aluminum rolled with neat oils |                             |
| Chromium .....                  | 0.036  | 0.015                       |
| Cyanide .....                   | 0.024  | 0.0098                      |
| Zinc .....                      | 0.119  | 0.050                       |
| Aluminum .....                  | 0.525  | 0.257                       |

**SUBPART A**

*Core Without an Annealing Furnace Scrubber*

| Pollutant or pollutant property | BAT effluent limitations   |                             |
|---------------------------------|--|-----------------------------|
|                                 | Maximum for any 1 day  | Maximum for monthly average |
|                                 | mg/off-kg (lb/million off-lbs) of aluminum rolled with neat oils |                             |
| Chromium .....                  | 0.025  | 0.010                       |
| Cyanide .....                   | 0.016  | 0.0067                      |
| Zinc .....                      | 0.081  | 0.034                       |
| Aluminum .....                  | 0.356  | 0.174                       |

**SUBPART A**

*Continuous Sheet Casting Spent Lubricant*

| Pollutant or pollutant property | BAT effluent limitations                              |                             |
|---------------------------------|---|-----------------------------|
|                                 | Maximum for any 1 day                                 | Maximum for monthly average |
|                                 | mg/off-kg (lb/million off-lbs) of aluminum sheet cast |                             |
| Chromium .....                  | 0.00086   | 0.00035                     |
| Cyanide .....                   | 0.00057   | 0.00024                     |
| Zinc .....                      | 0.00287   | 0.0012                      |
| Aluminum .....                  | 0.0127  | 0.0062                      |

**SUBPART A**

*Solution Heat Treatment Contact Cooling Water*

| Pollutant or pollutant property | BAT effluent limitations                            |                             |
|---------------------------------|---|-----------------------------|
|                                 | Maximum for any 1 day                               | Maximum for monthly average |
|                                 | mg/off-kg (lb/million off-lbs) of aluminum quenched |                             |
| Chromium .....                  | 0.897   | 0.367                       |
| Cyanide .....                   | 0.591   | 0.245                       |
| Zinc .....                      | 2.974   | 1.243                       |
| Aluminum .....                  | 13.10   | 6.518                       |

**SUBPART A**

*Cleaning or Etching Bath*

| Pollutant or pollutant property | BAT effluent limitations                                     |                             |
|---------------------------------|--|-----------------------------|
|                                 | Maximum for any 1 day  | Maximum for monthly average |
|                                 | mg/off-kg (lb/million off-lbs) of aluminum cleaned or etched |                             |
| Chromium .....                  | 0.079  | 0.032                       |
| Cyanide .....                   | 0.052  | 0.022                       |
| Zinc .....                      | 0.262  | 0.109                       |
| Aluminum .....                  | 1.151  | 0.573                       |

§ 467.14

40 CFR Ch. I (7-1-07 Edition)

SUBPART A

*Cleaning or Etching Rinse*

| Pollutant or pollutant property | BAT effluent limitations                                     |                             |
|---------------------------------|--|-----------------------------|
|                                 | Maximum for any 1 day  | Maximum for monthly average |
|                                 | mg/off-kg (lb/million off-lbs) of aluminum cleaned or etched |                             |
| Chromium .....                  | 0.612  | 0.251                       |
| Cyanide .....                   | 0.404  | 0.167                       |
| Zinc .....                      | 2.031  | 0.849                       |
| Aluminum .....                  | 8.944  | 4.45                        |

SUBPART A

*Cleaning or Etching Scrubber Liquor*

| Pollutant or pollutant property | BAT effluent limitations                                     |                             |
|---------------------------------|--|-----------------------------|
|                                 | Maximum for any 1 day  | Maximum for monthly average |
|                                 | mg/off-kg (lb/million off-lbs) of aluminum cleaned or etched |                             |
| Chromium .....                  | 0.851  | 0.348                       |
| Cyanide .....                   | 0.561  | 0.232                       |
| Zinc .....                      | 2.822  | 1.179                       |
| Aluminum .....                  | 12.43  | 6.186                       |

[48 FR 49149, Oct. 24, 1983; 49 FR 11631 and 11632, Mar. 27, 1984]

**§ 467.14 New source performance standards.**

Any new source subject to this subpart must achieve the following performance standards. The mass of pollutants in the core and ancillary operations' process wastewater shall not exceed the following values:

SUBPART A

*Core With an Annealing Furnace Scrubber*

| Pollutant or pollutant property | NSPS   |                             |
|---------------------------------|--|-----------------------------|
|                                 | Maximum for any 1 day  | Maximum for monthly average |
|                                 | mg/off-kg (lb/million off-lbs) of aluminum rolled with neat oils |                             |
| Chromium .....                  | 0.030  | 0.0123                      |
| Cyanide .....                   | 0.016  | 0.0065                      |
| Zinc .....                      | 0.084  | 0.0343                      |
| Aluminum .....                  | 0.499  | 0.221                       |
| Oil and grease .....            | 0.817  | 0.817                       |
| Suspended solids .....          | 1.225  | 0.980                       |
| pH .....                        | ( <sup>1</sup> )   | ( <sup>1</sup> )            |

<sup>1</sup> Within the range of 7.0 to 10 at all times.

SUBPART A

*Core Without an Annealing Furnace Scrubber*

| Pollutant or pollutant property | NSPS   |                             |
|---------------------------------|--|-----------------------------|
|                                 | Maximum for any 1 day  | Maximum for monthly average |
|                                 | mg/off-kg (lb/million off-lbs) of aluminum rolled with neat oils |                             |
| Chromium .....                  | 0.021  | 0.0083                      |
| Cyanide .....                   | 0.011  | 0.0044                      |
| Zinc .....                      | 0.057  | 0.023                       |
| Aluminum .....                  | 0.338  | 0.150                       |
| Oil and grease .....            | 0.553  | 0.553                       |
| Suspended solids .....          | 0.830  | 0.664                       |
| pH .....                        | ( <sup>1</sup> )   | ( <sup>1</sup> )            |

<sup>1</sup> Within the range of 7.0 to 10 at all times.

SUBPART A

*Continuous Sheet Casting Spent Lubricant*

| Pollutant or pollutant property | NSPS  |                             |
|---------------------------------|---|-----------------------------|
|                                 | Maximum for any 1 day                           | Maximum for monthly average |
|                                 | mg/off-kg (lb/million off-lbs) of aluminum cast |                             |
| Chromium .....                  | 0.00073   | 0.00029                     |
| Cyanide .....                   | 0.00039   | 0.00016                     |
| Zinc .....                      | 0.0020  | 0.00082                     |
| Aluminum .....                  | 0.012   | 0.0053                      |
| Oil and grease .....            | 0.0197  | 0.019                       |
| Suspended solids .....          | 0.0295  | 0.022                       |
| pH .....                        | ( <sup>1</sup> )                                | ( <sup>1</sup> )            |

<sup>1</sup> Within the range of 7.0 to 10 at all times.

SUBPART A

*Solution Heat Treatment Contact Cooling Water*

| Pollutant or pollutant property | NSPS  |                             |
|---------------------------------|---|-----------------------------|
|                                 | Maximum for any 1 day                               | Maximum for monthly average |
|                                 | mg/off-kg (lb/million off-lbs) of aluminum quenched |                             |
| Chromium .....                  | 0.76  | 0.31                        |
| Cyanide .....                   | 0.41  | 0.17                        |
| Zinc .....                      | 2.08  | 0.86                        |
| Aluminum .....                  | 12.45   | 5.52                        |
| Oil and grease .....            | 20.37   | 20.37                       |
| Suspended solids .....          | 30.56   | 24.45                       |
| pH .....                        | ( <sup>1</sup> )                                    | ( <sup>1</sup> )            |

<sup>1</sup> Within the range of 7.0 to 10 at all times.