

§ 421.293

40 CFR Ch. I (7-1-00 Edition)

BPT LIMITATIONS FOR THE SECONDARY TIN SUBCATEGORY

| Pollutant or pollutant property | Maximum for any 1 day | Maximum for monthly average |
|---------------------------------|---|-----------------------------|
| | mg/kg (pounds per million pounds) of tin metal recovered from scrap | |
| Lead | 23.370 | 11.130 |
| Cyanide (total) | 16.140 | 6.677 |
| Fluoride | 1,947.000 | 1,107.000 |
| Tin | 21.140 | 12.240 |
| Total suspended solids | 2,281.000 | 1,085.000 |
| pH | (¹) | (¹) |

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

(h) Tin hydroxide supernatant from plating solutions and sludges.

BPT LIMITATIONS FOR THE SECONDARY TIN SUBCATEGORY

| Pollutant or pollutant property | Maximum for any 1 day | Maximum for monthly average |
|---------------------------------|---|-----------------------------|
| | mg/kg (pounds per million pounds) of tin metal recovered from plating solutions and sludges | |
| Lead | 48.30 | 23.00 |
| Cyanide (total) | 33.35 | 13.80 |
| Fluoride | 4,025.00 | 2,289.00 |
| Tin | 43.70 | 25.30 |
| Total suspended solids | 4,715.00 | 2,243.00 |
| pH | (¹) | (¹) |

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

(i) Tin hydroxide filtrate.

BPT LIMITATIONS FOR THE SECONDARY TIN SUBCATEGORY

| Pollutant or pollutant property | Maximum for any 1 day | Maximum for monthly average |
|---------------------------------|---|-----------------------------|
| | mg/kg (pounds per million pounds) of tin metal produced | |
| Lead | 10.520 | 5.009 |
| Cyanide (total) | 7.263 | 3.005 |
| Fluoride | 876.500 | 498.400 |
| Tin | 9.517 | 5.510 |
| Total suspended solids | 1,027.000 | 488.400 |
| pH | (¹) | (¹) |

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

§ 421.293 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) Tin smelter SO₂ scrubber.

BAT LIMITATIONS FOR THE SECONDARY TIN SUBCATEGORY

| Pollutant or pollutant property | Maximum for any 1 day | Maximum for monthly average |
|---------------------------------|--|-----------------------------|
| | mg/kg (pounds per million pounds) of crude tapped tin produced | |
| Arsenic | 12.790 | 5.703 |
| Lead | 2.575 | 1.196 |
| Iron | 11.040 | 5.611 |
| Tin | 3.495 | 2.024 |

(b) Dealuminizing rinse.

BAT LIMITATIONS FOR THE SECONDARY TIN SUBCATEGORY

| Pollutant or pollutant property | Maximum for any 1 day | Maximum for monthly average |
|---------------------------------|--|-----------------------------|
| | mg/kg (pounds per million pounds) of dealuminized scrap produced | |
| Lead | 0.010 | 0.005 |
| Cyanide (total) | 0.007 | 0.003 |
| Fluoride | 1.225 | 0.697 |
| Tin | 0.013 | 0.008 |

(c) Tin mud acid neutralization filtrate.

BAT LIMITATIONS FOR THE SECONDARY TIN SUBCATEGORY

| Pollutant or pollutant property | Maximum for any 1 day | Maximum for monthly average |
|---------------------------------|---|-----------------------------|
| | mg/kg (pounds per million pounds) of neutralized dewatered tin mud produced | |
| Lead | 1.413 | 0.656 |
| Cyanide (total) | 1.009 | 0.404 |

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**BAT LIMITATIONS FOR THE SECONDARY TIN
SUBCATEGORY—Continued**

| Pollutant or pollutant property | Maximum for any 1 day | Maximum for monthly average |
|---------------------------------|-----------------------|-----------------------------|
| Fluoride | 176.600 | 100.400 |
| Tin | 1.918 | 1.110 |

(d) Tin hydroxide wash.

**BAT LIMITATIONS FOR THE SECONDARY TIN
SUBCATEGORY**

| Pollutant or pollutant property | Maximum for any 1 day | Maximum for monthly average |
|---------------------------------|---|-----------------------------|
| | mg/kg (pounds per million pounds) of tin hydroxide washed | |
| Lead | 3.347 | 1.554 |
| Cyanide (total) | 2.391 | 0.956 |
| Fluoride | 418.400 | 237.900 |
| Tin | 4.542 | 2.630 |

(e) Spent electrowinning solution from new scrap.

**BAT LIMITATIONS FOR THE SECONDARY TIN
SUBCATEGORY**

| Pollutant or pollutant property | Maximum for any 1 day | Maximum for monthly average |
|---------------------------------|---|-----------------------------|
| | mg/kg (pounds per million pounds) of cathode tin produced | |
| Lead | 4.704 | 2.184 |
| Cyanide (total) | 3.360 | 1.344 |
| Fluoride | 588.000 | 334.300 |
| Tin | 6.384 | 3.696 |

(f) Spent electrowinning solution from municipal solid waste.

**BAT LIMITATIONS FOR THE SECONDARY TIN
SUBCATEGORY**

| Pollutant or pollutant property | Maximum for any 1 day | Maximum for monthly average |
|---------------------------------|---|-----------------------------|
| | mg/kg (pounds per million pounds) of MSW scrap used as raw material | |
| Lead | 0.033 | 0.015 |
| Cyanide (total) | 0.024 | 0.010 |
| Fluoride | 4.165 | 2.368 |
| Tin | 0.045 | 0.026 |

(g) Tin hydroxide supernatant from scrap.

**BAT LIMITATIONS FOR THE SECONDARY TIN
SUBCATEGORY**

| Pollutant or pollutant property | Maximum for any 1 day | Maximum for monthly average |
|---------------------------------|---|-----------------------------|
| | mg/kg (pounds per million pounds) of tin metal recovered from scrap | |
| Lead | 15.580 | 7.233 |
| Cyanide (total) | 11.130 | 4.451 |
| Fluoride | 1,947.000 | 1,107.000 |
| Tin | 21.140 | 21.240 |

(h) Tin hydroxide supernatant from plating solutions and sludges.

**BAT LIMITATIONS FOR THE SECONDARY TIN
SUBCATEGORY**

| Pollutant or pollutant property | Maximum for any 1 day | Maximum for monthly average |
|---------------------------------|---|-----------------------------|
| | mg/kg (pounds per million pounds) of tin metal recovered from plating solutions and sludges | |
| Lead | 32.20 | 14.95 |
| Cyanide (total) | 23.00 | 9.20 |
| Fluoride | 4,025.00 | 2,289.00 |
| Tin | 43.70 | 25.30 |

(i) Tin hydroxide filtrate.

**BAT LIMITATIONS FOR THE SECONDARY TIN
SUBCATEGORY**

| Pollutant or pollutant property | Maximum for any 1 day | Maximum for monthly average |
|---------------------------------|---|-----------------------------|
| | mg/kg (pounds per million pounds) of tin metal produced | |
| Lead | 7.012 | 3.256 |
| Cyanide (total) | 5.009 | 2.004 |
| Fluoride | 876.500 | 498.400 |
| Tin | 9.517 | 5.510 |

§ 421.294 Standards of performance for new sources.

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

(a) Tin smelter SO₂ scrubber.