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standards. Compliance with the monthly discharge limit is required regardless of the number of samples analyzed and averaged.

§ 461.4 Compliance date for PSES.

The compliance date for pretreatment standards for existing sources is March 9, 1987.

Subpart A—Cadmium Subcategory

§ 461.10 Applicability; description of the cadmium subcategory.

This subpart applies to discharges to waters of the United States, and introductions of pollutants into publicly owned treatment works from the manufacturing of cadmium anode batteries.

§ 461.11 Effluent limitations representing the degree of effluent reduction attainable by the application of the best practicable control technology currently available (BPT).

(a) 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 practicable control technology currently available:

(1) Subpart A—Pasted and Pressed Powder Anodes.

BPT EFFLUENT LIMITATIONS

| Pollutant or pollutant property | Maximum for any 1 day | Maximum for monthly average |
|---------------------------------|------------------------------------------------------|-----------------------------|
| | Metric units—mg/kg of cadmium | |
| | English units—pounds per 1,000,000 pounds of cadmium | |
| Cadmium | 0.92 | 0.41 |
| Nickel | 5.18 | 3.43 |
| Zinc | 3.94 | 1.65 |
| Cobalt | 0.57 | 0.24 |
| Oil and grease | 54.00 | 32.40 |
| TSS | 111.00 | 52.65 |
| pH | (¹) | (¹) |

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

(2) Subpart A—Electrodeposited Anodes.

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BPT EFFLUENT LIMITATIONS

| Pollutant or pollutant property | Maximum for any 1 day | Maximum for monthly average |
|---------------------------------|------------------------------------------------------|-----------------------------|
| | Metric units—mg/kg of cadmium | |
| | English units—pounds per 1,000,000 pounds of cadmium | |
| Cadmium | 237.0 | 104.6 |
| Nickel | 1,338.2 | 885.2 |
| Zinc | 1,017.6 | 425.2 |
| Cobalt | 146.4 | 62.7 |
| Oil and grease | 13,940.0 | 8,364.0 |
| TSS | 28,577.0 | 13,592.0 |
| pH | (¹) | (¹) |

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

(3) Subpart A—Impregnated Anodes.

BPT EFFLUENT LIMITATIONS

| Pollutant or pollutant property | Maximum for any 1 day | Maximum for monthly average |
|---------------------------------|------------------------------------------------------|-----------------------------|
| | Metric units—mg/kg of cadmium | |
| | English units—pounds per 1,000,000 pounds of cadmium | |
| Cadmium | 339.3 | 149.7 |
| Nickel | 1,916.2 | 1,267.5 |
| Zinc | 1,457.1 | 608.8 |
| Cobalt | 209.6 | 89.8 |
| Oil and grease | 19,960.0 | 11,976.0 |
| TSS | 40,918.0 | 19,461.0 |
| pH | (¹) | (¹) |

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

(4) Subpart A—Nickel Electrodeposited Cathodes.

BPT EFFLUENT LIMITATIONS

| Pollutant or pollutant property | Maximum for any 1 day | Maximum for monthly average |
|---------------------------------|-------------------------------------------------------------|-----------------------------|
| | Metric units—mg/kg of nickel applied | |
| | English units—pounds per 1,000,000 pounds of nickel applied | |
| Cadmium | 193.5 | 85.4 |
| Nickel | 1,092.5 | 722.6 |
| Zinc | 830.7 | 347.1 |
| Cobalt | 119.5 | 51.2 |
| Oil and grease | 11,380.0 | 6,828.0 |
| TSS | 23,329.0 | 11,095.5 |
| pH | (¹) | (¹) |

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

(5) Subpart A—Nickel Impregnated Cathodes.

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BPT EFFLUENT LIMITATIONS

| Pollutant or pollutant property | Maximum for any 1 day | Maximum for monthly average |
|---------------------------------|-----------------------------------------------------------------------------------------------------|-----------------------------|
| | Metric units—mg/kg of nickel applied English units—pounds per 1,000,000 pounds of nickel applied | |
| Cadmium | 557.6 | 246.0 |
| Nickel | 3,148.8 | 2,082.8 |
| Zinc | 2,394.4 | 1,000.4 |
| Cobalt | 344.4 | 147.6 |
| Oil and grease | 32,800.0 | 19,680.0 |
| TSS | 67,240.0 | 31,980.0 |
| pH | (¹) | (¹) |

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

(6) Subpart A—Miscellaneous Wastewater Streams.

BPT EFFLUENT LIMITATIONS

| Pollutant or pollutant property | Maximum for any 1 day | Maximum for monthly average |
|---------------------------------|-----------------------------------------------------------------------------------------------------|-----------------------------|
| | Metric units—mg/kg of cells produced English units—pounds per 1,000,000 pounds of cells produced | |
| Cadmium | 6.29 | 2.77 |
| Nickel | 35.54 | 23.50 |
| Zinc | 27.02 | 11.29 |
| Cobalt | 3.89 | 1.66 |
| Oil and grease | 370.20 | 222.12 |
| TSS | 758.91 | 360.94 |
| pH | (¹) | (¹) |

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

(7) Subpart A—Cadmium Powder Production.

BPT EFFLUENT LIMITATIONS

| Pollutant or pollutant property | Maximum for any 1 day | Maximum for monthly average |
|---------------------------------|-----------------------------------------------------------------------------------------------------------------------|-----------------------------|
| | Metric units—mg/kg of cadmium powder produced English units—pounds per 1,000,000 pounds of cadmium powder produced | |
| Cadmium | 22.34 | 9.86 |
| Nickel | 126.14 | 83.44 |
| Zinc | 95.92 | 40.08 |
| Cobalt | 13.80 | 5.91 |
| Oil and grease | 1,314.00 | 788.40 |
| TSS | 2,693.00 | 1,281.20 |
| pH | (¹) | (¹) |

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

(8) Subpart A—Silver Powder Production.

BPT EFFLUENT LIMITATIONS

| Pollutant or pollutant property | Maximum for any 1 day | Maximum for monthly average |
|---------------------------------|---------------------------------------------------------------------------------------------------------------------|-----------------------------|
| | Metric units—mg/kg of silver powder produced English units—pounds per 1,000,000 pounds of silver powder produced | |
| Cadmium | 7.21 | 3.18 |
| Nickel | 40.70 | 26.92 |
| Silver | 8.69 | 3.61 |
| Zinc | 30.95 | 12.93 |
| Cobalt | 4.45 | 1.91 |
| Oil and grease | 424.00 | 254.40 |
| TSS | 869.20 | 413.40 |
| pH | (¹) | (¹) |

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

(9) Subpart A—Cadmium Hydroxide Production.

BPT EFFLUENT LIMITATIONS

| Pollutant or pollutant property | Maximum for any 1 day | Maximum for monthly average |
|---------------------------------|-------------------------------------------------------------------------------------------------|-----------------------------|
| | Metric units—mg/kg of cadmium used English units—pounds per 1,000,000 pounds of cadmium used | |
| Cadmium | 0.31 | 0.14 |
| Nickel | 1.73 | 1.14 |
| Zinc | 1.31 | 0.55 |
| Cobalt | 0.19 | 0.08 |
| Oil and grease | 18.00 | 10.80 |
| TSS | 36.90 | 17.60 |
| pH | (¹) | (¹) |

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

(10) Subpart A—Nickel Hydroxide Production.

BPT EFFLUENT LIMITATIONS

| Pollutant or pollutant property | Maximum for any 1 day | Maximum for monthly average |
|---------------------------------|-----------------------------------------------------------------------------------------------|-----------------------------|
| | Metric units—mg/kg of nickel used English units—pounds per 1,000,000 pounds of nickel used | |
| Cadmium | 37.4 | 16.5 |
| Nickel | 211.2 | 139.7 |
| Zinc | 160.6 | 67.1 |
| Cobalt | 23.1 | 9.9 |
| Oil and grease | 2,200.0 | 1,320.0 |
| TSS | 4,510.0 | 2,145.0 |
| pH | (¹) | (¹) |

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

(b) There shall be no discharge allowance for process wastewater pollutants

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from any battery manufacturing operation other than those battery manufacturing operations listed above.

§ 461.12 Effluent limitations representing the degree of effluent reduction attainable by the application of the best available technology economically achievable (BAT).

(a) 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:

(1) Subpart A—Electrodeposited Anodes.

BAT EFFLUENT LIMITATIONS

| Pollutant or pollutant property | Maximum for any 1 day | Maximum for monthly average |
|---------------------------------|------------------------------------------------------|-----------------------------|
| | Metric units—mg/kg of cadmium | |
| | English units—pounds per 1,000,000 pounds of cadmium | |
| Cadmium | 11.95 | 5.27 |
| Nickel | 67.49 | 44.64 |
| Zinc | 51.32 | 21.44 |
| Cobalt | 7.38 | 3.16 |

(2) Subpart A—Impregnated Anodes.

BAT EFFLUENT LIMITATIONS

| Pollutant or pollutant property | Maximum for any 1 day | Maximum for monthly average |
|---------------------------------|------------------------------------------------------|-----------------------------|
| | Metric units—mg/kg of cadmium | |
| | English units—pounds per 1,000,000 pounds of cadmium | |
| Cadmium | 68.0 | 30.0 |
| Nickel | 384.0 | 254.0 |
| Zinc | 292.0 | 122.0 |
| Cobalt | 42.0 | 18.0 |

(3) Subpart A—Nickel Electrodeposited Cathodes.

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BAT EFFLUENT LIMITATIONS

| Pollutant or pollutant property | Maximum for any 1 day | Maximum for monthly average |
|---------------------------------|-------------------------------------------------------------|-----------------------------|
| | Metric units—mg/kg of nickel applied | |
| | English units—pounds per 1,000,000 pounds of nickel applied | |
| Cadmium | 11.22 | 4.95 |
| Nickel | 63.36 | 41.91 |
| Zinc | 48.18 | 20.13 |
| Cobalt | 6.93 | 2.97 |

(4) Subpart A—Nickel Impregnated Cathodes.

BAT EFFLUENT LIMITATIONS

| Pollutant or pollutant property | Maximum for any 1 day | Maximum for monthly average |
|---------------------------------|-------------------------------------------------------------|-----------------------------|
| | Metric units—mg/kg of nickel applied | |
| | English units—pounds per 1,000,000 pounds of nickel applied | |
| Cadmium | 68.0 | 30.0 |
| Nickel | 384.0 | 254.0 |
| Zinc | 292.0 | 122.0 |
| Cobalt | 42.0 | 18.0 |

(5) Subpart A—Miscellaneous Wastewater Streams.

BAT EFFLUENT LIMITATIONS

| Pollutant or pollutant property | Maximum for any 1 day | Maximum for monthly average |
|---------------------------------|-------------------------------------------------------------|-----------------------------|
| | Metric units—mg/kg of cells produced | |
| | English units—pounds per 1,000,000 pounds of cells produced | |
| Cadmium | 0.79 | 0.35 |
| Nickel | 4.47 | 2.96 |
| Zinc | 3.40 | 1.42 |
| Cobalt | 0.49 | 0.21 |

(6) Subpart A—Cadmium Powder Production.