

Environmental Protection Agency

§ 461.65

| Pollutant or pollutant property | Maximum for any 1 day | Maximum for monthly average |
|---------------------------------|---|-----------------------------|
| | Metric units—mg/kg of silver processed English units—pounds per 1,000,000 pounds of silver processed | |
| Lead | 1,032.36 | 491.60 |
| Silver | 1,007.78 | 417.86 |

(2) Subpart F—Silver Chloride Cathodes—Electrolytic—PSES.

| Pollutant or pollutant property | Maximum for any 1 day | Maximum for monthly average |
|---------------------------------|---|-----------------------------|
| | Metric units—mg/kg of silver processed English units—pounds per 1,000,000 pounds of silver processed | |
| Lead | 60.9 | 29.0 |
| Silver | 59.5 | 24.7 |

(3) Subpart F—Cell Testing—PSES.

| 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 | |
| Lead | 22.1 | 10.5 |
| Silver | 21.6 | 8.9 |

(4) Subpart F—Floor and Equipment Wash—PSES.

| 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 | |
| Lead | 0.039 | 0.018 |
| Silver | 0.038 | 0.015 |

(b) There shall be no discharge allowance for process wastewater pollutants from any battery manufacturing operation other than those battery manufacturing operations listed above.

§ 461.65 Pretreatment standards for new sources (PSNS).

(a) Except as provided in § 403.7 any new source subject to this subpart that

introduces pollutants into a publicly owned treatment works must comply with 40 CFR part 403 and achieve the following pretreatment standards for new sources listed below:

(1) Subpart F—Silver Chloride Cathodes—Chemically Reduced—PSNS.

| Pollutant or pollutant property | Maximum for any 1 day | Maximum for monthly average |
|---------------------------------|---|-----------------------------|
| | Metric units—mg/kg of silver processed English units—pounds per 1,000,000 pounds of silver processed | |
| Lead | 22.93 | 10.65 |
| Silver | 23.75 | 9.83 |

(2) Subpart F—Silver Chloride Cathodes—Electrolytic PSNS.

| Pollutant or pollutant property | Maximum for any 1 day | Maximum for monthly average |
|---------------------------------|---|-----------------------------|
| | Metric units—mg/kg of silver processed English units—pounds per 1,000,000 pounds of silver processed | |
| Lead | 40.6 | 18.9 |
| Silver | 42.1 | 17.4 |

(3) Subpart F—Cell Testing—PSNS.

| 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 | |
| Lead | 19.5 | 7.89 |
| Silver | 15.3 | 6.31 |

(4) Subpart F—Floor and Equipment Wash—PSNS.

| 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 | |
| Lead | 0.026 | 0.012 |
| Silver | 0.027 | 0.011 |

(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.

Subpart G—Zinc Subcategory

§ 461.70 Applicability; description of the zinc 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 zinc anode batteries.

§ 461.71 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 G—Wet Amalgamated Powder Anodes.

BPT EFFLUENT LIMITATIONS

| Pollutant or pollutant property | Maximum for any 1 day | Maximum for monthly average |
|---------------------------------|---|-----------------------------|
| | Metric units—mg/kg of Zinc English units—pounds per 1,000,000 pounds of Zinc | |
| Chromium | 1.67 | 0.68 |
| Mercury | 0.95 | 0.38 |
| Silver | 1.56 | 0.65 |
| Zinc | 5.55 | 2.32 |
| Manganese | 2.58 | 1.10 |
| Oil and grease | 76.0 | 45.6 |
| TSS | 155.8 | 74.1 |
| pH | (¹) | (¹) |

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

(2) Subpart G—Gelled Amalgam 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 Zinc English units—pounds per 1,000,000 pounds of Zinc | |
| Chromium | 0.30 | 0.12 |
| Mercury | 0.17 | 0.07 |
| Silver | 0.28 | 0.12 |
| Zinc | 0.99 | 0.42 |
| Manganese | 0.46 | 0.20 |
| Oil and grease | 13.6 | 8.16 |
| TSS | 27.9 | 13.26 |
| pH | (¹) | (¹) |

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

(3) Subpart G—Zinc Oxide, Formed Anodes.

BPT EFFLUENT LIMITATIONS

| Pollutant or pollutant property | Maximum for any 1 day | Maximum for monthly average |
|---------------------------------|---|-----------------------------|
| | Metric units—mg/kg of Zinc English units—pounds per 1,000,000 pounds of Zinc | |
| Chromium | 62.9 | 25.7 |
| Mercury | 35.8 | 14.3 |
| Silver | 58.7 | 24.3 |
| Zinc | 208.8 | 87.2 |
| Manganese | 97.2 | 41.5 |
| Oil and grease | 2,860.0 | 1,716.0 |
| TSS | 5,863.0 | 2,789.0 |
| pH | (¹) | (¹) |

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

(4) Subpart G—Electrodeposited Anodes.

BPT EFFLUENT LIMITATIONS

| Pollutant or pollutant property | Maximum for any 1 day | Maximum for monthly average |
|---------------------------------|---|-----------------------------|
| | Metric units—mg/kg of zinc deposited English units—pounds per 1,000,000 pounds of zinc deposited | |
| Chromium | 1,404.0 | 574.0 |
| Mercury | 798.0 | 319.0 |
| Silver | 1,308.0 | 543.0 |
| Zinc | 4,657.0 | 1,946.0 |
| Manganese | 2,169.0 | 925.0 |
| Oil and grease | 63,800.0 | 38,280.0 |
| TSS | 130,700.0 | 62,210.0 |
| pH | (¹) | (¹) |

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

(5) Subpart G—Silver Powder, Formed Cathodes.