

**Environmental Protection Agency**
**§ 461.74**

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		
Chromium .....	1.56	0.68
Mercury .....	0.97	0.41
Silver .....	1.56	0.68
Zinc .....	0.30	0.13
Manganese .....	2.23	1.71
Oil and grease .....	74.40	74.40
TSS .....	111.60	89.28
pH .....	( <sup>1</sup> )	( <sup>1</sup> )

<sup>1</sup> Within the limits of 7.5–10.0 at all times.

**(9) Subpart G—Silver Peroxide Production—NSPS.**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
Metric units—mg/kg of silver peroxide produced English units—pounds per 1,000,000 pounds of silver peroxide produced		
Chromium .....	1.66	0.72
Mercury .....	1.03	0.44
Silver .....	1.66	0.72
Zinc .....	0.32	0.14
Manganese .....	2.37	1.82
Oil and grease .....	79.10	79.10
TSS .....	118.65	94.92
pH .....	( <sup>1</sup> )	( <sup>1</sup> )

<sup>1</sup> Within the limits of 7.5–10.0 at all times.

**(10) Subpart G—Silver Powder Production—NSPS.**

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		
Chromium .....	0.67	0.29
Mercury .....	0.42	0.18
Silver .....	0.67	0.29
Zinc .....	0.13	0.06
Manganese .....	0.96	0.74
Oil and grease .....	32.10	32.10
TSS .....	48.15	38.52
pH .....	( <sup>1</sup> )	( <sup>1</sup> )

<sup>1</sup> Within the limits of 7.5–10.0 at all times.

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

**§ 461.74 Pretreatment standards for existing sources (PSES).**

(a) Except as provided in 40 CFR 403.7 and 403.13, any existing 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 existing sources:

**(1) Subpart G—Wet Amalgamated Powder Anode—PSES.**

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 .....	0.24	0.099
Mercury .....	0.14	0.055
Silver .....	0.23	0.093
Zinc .....	0.80	0.34
Manganese .....	0.37	0.16

**(2) Subpart G—Gelled Amalgam Anodes—PSES.**

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 .....	0.030	0.12
Mercury .....	0.017	0.006
Silver .....	0.028	0.012
Zinc .....	0.099	0.042
Manganese .....	0.046	0.020

**(3) Subpart G—Zinc Oxide Formed Anodes—PSES.**

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 .....	9.53	3.90
Mercury .....	5.42	2.17
Silver .....	8.89	3.68
Zinc .....	31.64	13.22
Manganese .....	14.74	6.28

**(4) Subpart G—Electrodeposited Anodes—PSES.**

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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 .....	94.47	38.65
Mercury .....	53.68	21.47
Silver .....	88.03	36.50
Zinc .....	313.46	130.97
Manganese .....	146.00	62.26

**(5) Subpart G—Silver Powder Formed Cathodes—PSES.**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
Metric units—mg/kg of silver applied English units—pounds per 1,000,000 pounds of silver applied		
Chromium .....	13.07	5.35
Mercury .....	7.43	2.97
Silver .....	12.18	5.05
Zinc .....	43.36	18.12
Manganese .....	20.20	8.61

**(6) Subpart G—Silver Oxide Powder Formed Cathodes—PSES.**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
Metric units—mg/kg of silver applied English units—pounds per 1,000,000 pounds of silver applied		
Chromium .....	8.73	3.57
Mercury .....	4.96	1.99
Silver .....	8.14	3.37
Zinc .....	28.98	12.11
Manganese .....	13.50	5.76

**(7) Subpart G—Silver Peroxide Cathodes—PSES.**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
Metric units—mg/kg of silver applied English units—pounds per 1,000,000 pounds of silver applied		
Chromium .....	2.09	0.87
Mercury .....	1.19	0.48
Silver .....	1.95	0.81
Zinc .....	6.95	2.90
Manganese .....	3.24	1.38

**(8) Subpart G—Nickel Impregnated Cathodes—PSES.**

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		
Chromium .....	88.0	36.0
Mercury .....	50.0	20.0
Nickel .....	384.0	254.0
Silver .....	82.0	34.0
Zinc .....	292.0	122.0
Manganese .....	136.0	58.0

**(9) Subpart G—Miscellaneous Wastewater Streams—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		
Chromium .....	0.57	0.23
Cyanide .....	0.38	0.16
Mercury .....	0.32	0.13
Nickel .....	2.48	1.64
Silver .....	0.53	0.22
Zinc .....	1.88	0.79
Manganese .....	0.88	0.37

**(10) Subpart G—Silver Etch—PSES.**

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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		
Chromium .....	3.27	1.34
Mercury .....	1.86	0.74
Silver .....	3.05	1.26
Zinc .....	10.86	4.54
Manganese .....	5.06	2.16

**(11) Subpart G—Silver Peroxide Production—PSES.**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
Metric units—mg/kg of silver peroxide produced English units—pounds per 1,000,000 pounds of silver peroxide produced		
Chromium .....	3.48	1.42
Mercury .....	1.98	0.79
Silver .....	3.24	1.34
Zinc .....	11.55	4.83
Manganese .....	5.38	2.29

**(12) Subpart G—Silver Powder Production—PSES.**

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		
Chromium .....	1.41	0.58
Mercury .....	0.80	0.32
Silver .....	1.32	0.55
Zinc .....	4.69	1.96
Manganese .....	2.18	0.93

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

**§ 461.75 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 G—Zinc Oxide Formed Anodes—PSNS.**

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 .....	4.55	1.97
Mercury .....	2.82	1.19
Silver .....	4.55	1.97
Zinc .....	0.87	0.39
Manganese .....	6.50	4.98

**(2) Subpart G—Electrodeposited Anodes—PSNS.**

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 .....	45.09	19.54
Mercury .....	27.91	11.81
Silver .....	45.09	19.54
Zinc .....	8.59	3.86
Manganese .....	64.41	49.38

**(3) Subpart G—Silver Powder Formed Cathodes—PSNS.**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
Metric units—mg/kg of silver applied English units—pounds per 1,000,000 pounds of silver applied		
Chromium .....	6.24	2.70
Mercury .....	3.86	1.63
Silver .....	6.24	2.70
Zinc .....	1.19	0.53
Manganese .....	8.91	6.83

**(4) Subpart G—Silver Oxide Powder Formed Cathodes—PSNS.**