

§ 421.253

BPT LIMITATIONS FOR THE PRIMARY PRECIOUS METALS AND MERCURY SUBCATEGORY

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of mercury condensed	
Lead .....	7.392	3.520
Mercury .....	4.400	1.760
Silver .....	7.216	2.992
Zinc .....	25.700	10.740
Gold .....	1.760	.....
Oil and Grease .....	352.000	211.200
Total suspended solids .....	721.600	343.200
pH .....	( <sup>1</sup> )	( <sup>1</sup> )

<sup>1</sup> Within the range of 7.5 to 10.0 at all times.

(g) Calciner stack gas contact cooling water.

BPT LIMITATIONS FOR THE PRIMARY PRECIOUS METALS AND MERCURY SUBCATEGORY

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of mercury condensed	
Lead .....	1.743	0.830
Mercury .....	1.038	0.415
Silver .....	1.702	0.706
Zinc .....	6.059	2.532
Gold .....	0.415	.....
Oil and Grease .....	83.000	49.800
Total suspended solids .....	170.200	80.930
pH .....	( <sup>1</sup> )	( <sup>1</sup> )

<sup>1</sup> Within the range of 7.5 to 10.0 at all times.

(h) Condenser blowdown.

BPT LIMITATIONS FOR THE PRIMARY PRECIOUS METALS AND MERCURY SUBCATEGORY

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of mercury condensed	
Lead .....	5.796	2.760
Mercury .....	3.450	1.380
Silver .....	5.658	2.346
Zinc .....	20.150	8.418
Gold .....	1.380	.....
Oil and Grease .....	276.000	165.600
Total suspended solids .....	565.800	269.100
pH .....	( <sup>1</sup> )	( <sup>1</sup> )

<sup>1</sup> Within the range of 7.5 to 10.0 at all times.

(i) Mercury cleaning bath water.

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BPT LIMITATIONS FOR THE PRIMARY PRECIOUS METALS AND MERCURY SUBCATEGORY

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of mercury condensed	
Lead .....	0.588	0.280
Mercury .....	0.350	0.140
Silver .....	0.574	0.238
Zinc .....	2.044	0.854
Gold .....	0.140	.....
Oil and Grease .....	28.000	16.800
Total suspended solids .....	57.400	27.300
pH .....	( <sup>1</sup> )	( <sup>1</sup> )

<sup>1</sup> Within the range of 7.5 to 10.0 at all times.

§ 421.253 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) Smelter wet air pollution control.

BAT LIMITATIONS FOR THE PRIMARY PRECIOUS METALS AND MERCURY SUBCATEGORY

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/troy ounce of gold and silver smelted	
Lead .....	0.364	0.169
Mercury .....	0.195	0.078
Silver .....	0.377	0.156
Zinc .....	1.326	0.546
Gold .....	0.130	.....

(b) Silver chloride reduction spent solution.

BAT LIMITATIONS FOR THE PRIMARY PRECIOUS METALS AND MERCURY SUBCATEGORY

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/troy ounce of silver reduced in solution	
Lead .....	0.112	0.052
Mercury .....	0.060	0.024
Silver .....	0.116	0.048
Zinc .....	0.408	0.168

**Environmental Protection Agency**

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**BAT LIMITATIONS FOR THE PRIMARY PRECIOUS METALS AND MERCURY SUBCATEGORY—Continued**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
Gold .....	0.040	.....

(c) Electrolytic cells wet air pollution control.

**BAT LIMITATIONS FOR THE PRIMARY PRECIOUS METALS AND MERCURY SUBCATEGORY**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/roy ounce of gold refined electrolytically	
Lead .....	5.544	2.574
Mercury .....	2.970	1.188
Silver .....	5.742	2.376
Zinc .....	20.200	8.316
Gold .....	1.980	.....

(d) Electrolyte preparation wet air pollution control.

**BAT LIMITATIONS FOR THE PRIMARY PRECIOUS METALS AND MERCURY SUBCATEGORY**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/roy ounce of silver in electrolyte produced	
Lead .....	0.014	0.007
Mercury .....	0.008	0.003
Silver .....	0.015	0.006
Zinc .....	0.051	0.021
Gold .....	0.005	.....

(e) Calciner Wet Air Pollution Control.

**BAT LIMITATIONS FOR THE PRIMARY PRECIOUS METALS AND MERCURY SUBCATEGORY**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of mercury condensed	
Lead .....	6.160	2.860
Mercury .....	3.300	1.320
Silver .....	6.380	2.640
Zinc .....	22.440	9.240
Gold .....	2.200	.....

(f) Calcine quench water.

**BAT LIMITATIONS FOR THE PRIMARY PRECIOUS METALS AND MERCURY SUBCATEGORY**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of mercury condensed	
Lead .....	4.928	2.288
Mercury .....	2.640	1.056
Silver .....	5.104	2.112
Zinc .....	17.950	7.392
Gold .....	1.760	.....

(g) Calciner stack gas contact cooling water.

**BAT LIMITATIONS FOR THE PRIMARY PRECIOUS METALS AND MERCURY SUBCATEGORY**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of mercury condensed	
Lead .....	1.162	0.540
Mercury .....	0.623	0.249
Silver .....	1.204	0.498
Zinc .....	4.233	1.743
Gold .....	0.415	.....

(h) Condenser blowdown.

**BAT LIMITATIONS FOR THE PRIMARY PRECIOUS METALS AND MERCURY SUBCATEGORY**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of mercury condensed	
Lead .....	3.864	1.794
Mercury .....	2.070	0.828
Silver .....	4.002	1.656
Zinc .....	14.080	5.796
Gold .....	1.380	.....

(i) Mercury cleaning bath water.

**BAT LIMITATIONS FOR THE PRIMARY PRECIOUS METALS AND MERCURY SUBCATEGORY**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of mercury condensed	
Lead .....	0.392	0.182
Mercury .....	0.210	0.084
Silver .....	0.406	0.168
Zinc .....	1.428	0.588

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**BAT LIMITATIONS FOR THE PRIMARY PRECIOUS METALS AND MERCURY SUBCATEGORY—Continued**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
Gold .....	0.140	.....

**§ 421.254 Standards of performance for new sources.**

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

(a) Smelter wet air pollution control.

**NSPS FOR THE PRIMARY PRECIOUS METALS AND MERCURY SUBCATEGORY**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/troy ounce of gold and silver smelted	
Lead .....	0.364	0.169
Mercury .....	0.195	0.078
Silver .....	0.377	0.156
Zinc .....	1.326	0.546
Gold .....	0.130	.....
Oil and Grease .....	13.000	13.000
Total suspended solids .....	19.500	15.600
pH .....	( <sup>1</sup> )	( <sup>1</sup> )

<sup>1</sup> Within the range of 7.5 to 10.0 at all times.

(b) Silver chloride reduction spent solution.

**NSPS FOR THE PRIMARY PRECIOUS METALS AND MERCURY SUBCATEGORY**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/troy ounce of silver reduced in solution	
Lead .....	0.112	0.052
Mercury .....	0.060	0.024
Silver .....	0.116	0.048
Zinc .....	0.408	0.168
Gold .....	0.040	.....
Oil and Grease .....	4.000	4.000
Total suspended solids .....	6.000	4.800
pH .....	( <sup>1</sup> )	( <sup>1</sup> )

<sup>1</sup> Within the range of 7.5 to 10.0 at all times.

(c) Electrolytic cells wet air pollution control.

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**NSPS FOR THE PRIMARY PRECIOUS METALS AND MERCURY SUBCATEGORY**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/troy ounce of gold refined electrolytically	
Lead .....	5.544	2.574
Mercury .....	2.970	1.188
Silver .....	5.742	2.376
Zinc .....	20.200	8.316
Gold .....	1.980	.....
Oil and Grease .....	198.000	198.000
Total suspended solids .....	297.000	237.600
pH .....	( <sup>1</sup> )	( <sup>1</sup> )

<sup>1</sup> Within the range of 7.5 to 10.0 at all times.

(d) Electrolyte preparation wet air pollution control.

**NSPS FOR THE PRIMARY PRECIOUS METALS AND MERCURY SUBCATEGORY**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/troy ounce of silver in electrolyte produced	
Lead .....	0.014	0.007
Mercury .....	0.008	0.003
Silver .....	0.015	0.006
Zinc .....	0.051	0.021
Gold .....	0.005	.....
Oil and Grease .....	0.500	0.500
Total suspended solids .....	0.750	0.600
pH .....	( <sup>1</sup> )	( <sup>1</sup> )

<sup>1</sup> Within the range of 7.5 to 10.0 at all times.

(e) Calciner wet air pollution control.

**NSPS FOR THE PRIMARY PRECIOUS METALS AND MERCURY SUBCATEGORY**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of mercury condensed	
Lead .....	6.160	2.860
Mercury .....	3.300	1.320
Silver .....	6.380	2.640
Zinc .....	22.440	9.240
Gold .....	2.200	.....
Oil and Grease .....	220.000	220.000
Total suspended solids .....	330.000	264.000
pH .....	( <sup>1</sup> )	( <sup>1</sup> )

<sup>1</sup> Within the range of 7.5 to 10.0 at all times.

(f) Calcine quench water.