

**Environmental Protection Agency**

**§ 421.147**

**NSPS FOR THE PRIMARY ANTIMONY SUBCATEGORY**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of antimony contained in sodium antimonate product	
Antimony .....	30.150	13.440
Arsenic .....	21.720	9.687
Mercury .....	2.344	0.937
Total suspended solids .....	234.400	187.500
pH .....	( <sup>1</sup> )	( <sup>1</sup> )

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

(b) Fouled Anolyte.

**NSPS FOR THE PRIMARY ANTIMONY SUBCATEGORY**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of antimony metal produced by electrowinning	
Antimony .....	30.150	13.440
Arsenic .....	21.720	9.687
Mercury .....	2.344	0.937
Total suspended solids .....	234.400	187.500
pH .....	( <sup>1</sup> )	( <sup>1</sup> )

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

(c) Cathode Antimony Wash Water.

**NSPS FOR THE PRIMARY ANTIMONY SUBCATEGORY**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of antimony metal produced by electrowinning	
Antimony .....	60.310	26.870
Arsenic .....	43.430	19.370
Mercury .....	4.687	1.875
Total suspended solids .....	468.700	375.000
pH .....	( <sup>1</sup> )	( <sup>1</sup> )

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

**§ 421.145 [Reserved]**

**§ 421.146 Pretreatment standards for new sources.**

Except as provided in 40 CFR 403.7, any new source subject to this subpart which introduces pollutants into a publicly owned treatment works must comply with 40 CFR part 403 and achieve the following pretreatment

standards for new sources. The mass of wastewater pollutants in primary antimony process wastewater introduced into a POTW shall not exceed the following values:

(a) Sodium Antimonate Autoclave Wastewater.

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(c) Cathode Antimony Washwater.

**PSNS FOR THE PRIMARY ANTIMONY SUBCATEGORY**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
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Arsenic .....	43.430	19.370
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**§ 421.147 [Reserved]**

**Subpart O—Primary Beryllium Subcategory**

SOURCE: 50 FR 38346, Sept. 20, 1985, unless otherwise noted.

§ 421.150

40 CFR Ch. I (7-1-06 Edition)

§ 421.150 **Applicability: Description of the primary beryllium subcategory.**

The provisions of this subpart are applicable to discharges resulting from the production of beryllium by primary beryllium facilities processing beryllium ore concentrates or beryllium hydroxide raw materials.

§ 421.151 **Specialized definitions.**

For the purpose of this subpart the general definitions, abbreviations and methods of analysis set forth in 40 CFR part 401 shall apply to this subpart.

§ 421.152 **Effluent limitations guidelines representing the degree of effluent reduction attainable by the application of the best practicable control technology currently available.**

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 practicable technology currently available:

(a) Solvent Extraction Raffinate from Bertrandite Ore.

BPT LIMITATIONS FOR THE PRIMARY BERYLLIUM SUBCATEGORY

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of beryllium carbonate produced from bertrandite ore as beryllium	
Beryllium .....	2,763.000	1,235.000
Chromium (total) .....	988.200	404.300
Copper .....	4,267.000	2,246.000
Cyanide (total) .....	651.300	269.500
Ammonia (as N) .....	299,400.000	131,600.000
Fluoride .....	78,610.000	44,700.000
Total suspended solids .....	92,090.000	43,800.000
pH .....	( <sup>1</sup> )	( <sup>1</sup> )

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

(b) Solvent Extraction Raffinate from Beryl Ore.

BPT LIMITATIONS FOR THE PRIMARY BERYLLIUM SUBCATEGORY

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of beryllium carbonate produced from beryl ore as beryllium	
Beryllium .....	270.6	121.0
Chromium (total) .....	96.8	39.6
Copper .....	418.0	220.0
Cyanide (total) .....	63.8	26.4
Ammonia (as N) .....	29,330.0	12,890.0
Fluoride .....	7,700.0	4,378.0
Total suspended solids .....	9,020.0	4,290.0
pH .....	( <sup>1</sup> )	( <sup>1</sup> )

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

(c) Beryllium Carbonate Filtrate.

BPT LIMITATIONS FOR THE PRIMARY BERYLLIUM SUBCATEGORY

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of beryllium carbonate produced as beryllium	
Beryllium .....	263.800	118.000
Chromium (total) .....	94.380	38.610
Copper .....	407.600	214.500
Cyanide (total) .....	62.210	25.740
Ammonia (as N) .....	28,590.000	12,570.000
Fluoride .....	7,508.000	4,269.000
Total suspended .....	8,795.000	4,183.000
pH .....	( <sup>1</sup> )	( <sup>1</sup> )

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

(d) Beryllium Hydroxide Filtrate.

BPT LIMITATIONS FOR THE PRIMARY BERYLLIUM SUBCATEGORY

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of beryllium hydroxide produced as beryllium	
Beryllium .....	167.280	74.800
Chromium (Total) .....	59.840	24.480
Copper .....	258.400	136.000
Cyanide (Total) .....	39.440	16.320
Ammonia (as N) .....	18128.800	7969.600
Fluoride .....	4760.000	2706.400
Total Suspended Solids .....	5576.000	2652.000
pH .....	( <sup>1</sup> )	( <sup>1</sup> )

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

(e) Beryllium Oxide Calcining Furnace Wet Air Pollution Control.