

§ 421.157

40 CFR Ch. I (7-1-00 Edition)

PSNS FOR THE PRIMARY BERYLLIUM SUBCATEGORY

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg of bertrandite ore processed	
Beryllium	1.239	0.559
Chromium (Total)	0.559	0.227
Copper	1.934	0.922
Cyanide (Total)	0.302	0.121
Ammonia (as N)	201.416	88.545
Fluoride	52.885	30.069

(p) Bertrandite Ore Countercurrent and Decantation (CCD) Scrubber.

PSNS FOR THE PRIMARY BERYLLIUM SUBCATEGORY

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg of bertrandite ore processed	
Beryllium	0.083	0.037
Chromium (Total)	0.037	0.015
Copper	0.129	0.062
Cyanide (Total)	0.020	0.008
Ammonia (as N)	13.463	5.919
Fluoride	3.535	2.010

[50 FR 38346, Sept. 20, 1985, as amended at 55 FR 31700, Aug. 3, 1990]

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Subpart P—Primary and Secondary Germanium and Gallium Subcategory

SOURCE: 50 FR 38350, Sept. 20, 1985, unless otherwise noted.

§ 421.180 Applicability: Description of the primary and secondary germanium and gallium subcategory.

The provisions of this subpart are applicable to discharges resulting from the production of germanium or gallium from primary and secondary germanium and gallium facilities.

§ 421.181 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.

§ 421.182 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) Still liquor.

BPT LIMITATIONS FOR THE PRIMARY AND SECONDARY GERMANIUM AND GALLIUM SUBCATEGORY

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of germanium chlorinated	
Arsenic	131.700	58.590
Lead	26.460	12.600
Zinc	91.980	38.430
Fluoride	2,205.000	1,254.000
Total suspended solids	2,583.000	1,229.000
pH	(¹)	(¹)

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

(b) Chlorinator wet air pollution control.

BPT LIMITATIONS FOR THE PRIMARY AND SECONDARY GERMANIUM AND GALLIUM SUBCATEGORY

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of germanium chlorinated	
Arsenic	27.530	12.250
Lead	5.531	2.634
Zinc	19.230	8.034
Fluoride	461.000	262.100
Total suspended solids	540.000	256.800
pH	(¹)	(¹)

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

(c) Germanium hydrolysis filtrate.

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BPT LIMITATIONS FOR THE PRIMARY AND SECONDARY GERMANIUM AND GALLIUM SUB-CATEGORY

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of germanium hydrolyzed	
Arsenic	39,440	17,550
Lead	7,925	3,774
Zinc	27,550	11,510
Fluoride	660,500	375,500
Total suspended solids	773,700	368,000
pH	(¹)	(¹)

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

(d) Acid wash and rinse water.

BPT LIMITATIONS FOR THE PRIMARY AND SECONDARY GERMANIUM AND GALLIUM SUB-CATEGORY

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of germanium washed	
Arsenic	325,500	144,800
Lead	65,400	31,140
Zinc	227,400	94,990
Fluoride	5,450,000	3,099,000
Total suspended solids	6,385,000	3,037,000
pH	(¹)	(¹)

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

(e) Gallium hydrolysis filtrate.

BPT LIMITATIONS FOR THE PRIMARY AND SECONDARY GERMANIUM AND GALLIUM SUB-CATEGORY

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of gallium hydrolyzed	
Arsenic	70,450	31,350
Lead	14,160	6,742
Zinc	49,220	20,560
Fluoride	1,180,000	670,800
Total suspended solids	1,382,000	657,300
pH	(¹)	(¹)

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

(f) Solvent extraction raffinate.

BPT LIMITATIONS FOR THE PRIMARY AND SECONDARY GERMANIUM AND GALLIUM SUB-CATEGORY

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of gallium produced by solvent extraction	
Arsenic	39,330	17,500
Lead	7,904	3,764
Zinc	27,480	11,480
Fluoride	658,700	374,500
Total suspended solids	771,600	367,000
pH	(¹)	(¹)

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

§ 421.183 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) Still liquor.

BAT LIMITATIONS FOR THE PRIMARY AND SECONDARY GERMANIUM AND GALLIUM SUB-CATEGORY

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of germanium chlorinated	
Arsenic	131,700	58,590
Lead	26,460	12,600
Zinc	91,980	38,430
Fluoride	2,205,000	1,254,000

(b) Chlorinator wet air pollution control.