

Environmental Protection Agency

§ 421.183

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.

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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	27.530	12.250
Lead	5.531	2.634
Zinc	19.230	8.034
Fluoride	461.000	262.100

(c) Germanium hydrolysis filtrate.

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 hydrolyzed	
Arsenic	39.440	17.550
Lead	7.925	3.774
Zinc	27.550	11.510
Fluoride	660.500	375.500

(d) Acid wash and rinse water.

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 washed	
Arsenic	325.50	144.80
Lead	65.40	31.14
Zinc	227.40	94.99
Fluoride	5,450.00	3,099.00

(e) Gallium hydrolysis filtrate.

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

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 hydrolyzed	
Arsenic	70.450	31.350
Lead	14.160	6.742
Zinc	49.220	20.560
Fluoride	1,180.000	670.800

(f) Solvent extraction raffinate.

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 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

§ 421.184 Standards of performance for new sources.

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

(a) Still liquor.

NSPS 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	131.70	58.59
Lead	26.46	12.60
Zinc	91.98	38.43
Fluoride	2,205.00	1,254.00
Total suspended solids	2,583.00	1,229.00
pH	(¹)	(¹)

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

(b) Chlorinator wet air pollution control.