

§ 421.113

BPT EFFLUENT LIMITATIONS

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of columbium-tantalum oxide dried	
Lead	16.140	7.685
Zinc	56.100	23.440
Ammonia (as N)	5,122.000	2,252.000
Fluoride	1,345.000	768.500
Total suspended solids	1,576.000	749.200
pH	(¹)	(¹)

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

(h) Subpart K—Reduction of Tantalum Salt to Metal.

BPT EFFLUENT LIMITATIONS

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of tantalum salt reduced	
Lead	69.750	33.220
Zinc	242.500	101.300
Ammonia (as N)	22,140.000	9,732.000
Fluoride	5,813.000	3,322.000
Total suspended solids	6,809.000	3,239.000
pH	(¹)	(¹)

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

(i) Subpart K—Reduction of Tantalum Salt to Metal Wet Air Pollution Control.

BPT EFFLUENT LIMITATIONS

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of tantalum salt reduced	
Lead .....	.858	.409
Zinc	2.983	1.246
Ammonia (as N)	272.400	119.700
Fluoride	71.510	40.860
Total suspended solids	83.770	39.840
pH	(¹)	(¹)

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

(j) Subpart K—Tantalum Powder Wash.

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BPT EFFLUENT LIMITATIONS

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of tantalum powder washed	
Lead	8.582	4.087
Zinc	29.830	12.470
Ammonia (as N)	2,724.000	1,198.000
Fluoride	715.200	408.700
Total suspended solids	837.800	398.500
pH	(¹)	(¹)

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

(k) Subpart K—Consolidation and Casting Contact Cooling.

BPT EFFLUENT LIMITATIONS

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of columbium or tantalum cast or consolidated	
Lead .....	.000	.000
Zinc .....	.000	.000
Ammonia (as N) .....	.000	.000
Fluoride .....	.000	.000
Total suspended solids .....	.000	.000
pH	(¹)	(¹)

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

[49 FR 8817, Mar. 8, 1984, as amended at 49 FR 29795, July 24, 1984; 50 FR 12253, Mar. 28, 1985]

§ 421.113 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) Subpart K—Concentrate Digestion Wet Air Pollution Control.

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BAT EFFLUENT LIMITATIONS

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of concentrate digested	
Lead .....	.174	.081
Zinc .....	.635	.261
Ammonia (as N)	82.910	36.450
Fluoride	21.770	12.440

(b) Subpart K—Solvent Extraction Raffinate.

BAT EFFLUENT LIMITATIONS

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/Kg (pounds per million pounds) of concentrate digested	
Lead	2.592	1.203
Zinc	9.442	3.888
Ammonia (as N)	1,233.000	542.5000
Fluoride	324.000	185.100

(c) Subpart K—Solvent Extraction Wet Air Pollution Control.

BAT EFFLUENT LIMITATIONS

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of concentrate digested	
Lead .....	.069	.032
Zinc .....	.251	.103
Ammonia (as N)	32.790	14.420
Fluoride	8.610	4.920

(d) Subpart K—Precipitation and Filtration.

BAT EFFLUENT LIMITATIONS

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of concentrate digested	
Lead	3.833	1.780
Zinc	13.960	5.750
Ammonia (as N)	1,825.000	802.200
Fluoride	479.100	273.800

(e) Subpart K—Precipitation and Filtration Wet Air Pollution Control.

BAT EFFLUENT LIMITATIONS

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of concentrate digested	
Lead	1.778	.826
Zinc	6.478	2.668
Ammonia (as N)	846.600	372.200
Fluoride	222.300	127.000

(f) Subpart K—Tantalum Salt Drying.

BAT EFFLUENT LIMITATIONS

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of tantalum salt dried	
Lead	16.950	7.871
Zinc	61.750	25.430
Ammonia (as N)	8,070.000	3,548.000
Fluoride	2,119.000	1,211.000

(g) Subpart K—Oxides Calcining Wet Air Pollution Control.

BAT EFFLUENT LIMITATIONS

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of columbium-tantalum oxide	
Lead	1.076	.500
Zinc	3.919	1.614
Ammonia (as N)	512.200	225.200
Fluoride	134.500	76.840

(h) Subpart K—Reduction of Tantalum Salt to Metal.

BAT EFFLUENT LIMITATIONS

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of tantalum salt reduced	
Lead	46.500	21.590
Zinc	169.400	69.750
Ammonia (as N)	22,140.000	9,732.000
Fluoride	5,813.000	3,322.000

(i) Subpart K—Reduction of Tantalum Salt to Metal Wet Air Pollution Control.

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BAT EFFLUENT LIMITATIONS

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of tantalum salt reduced	
Lead .....	.572	.266
Zinc	2.084	.858
Fluoride	71.510	40.860

(j) Subpart K—Tantalum Powder Wash.

BAT EFFLUENT LIMITATIONS

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of tantalum powder washed	
Lead	5.721	2.656
Zinc	20.840	8.582
Ammonia (as N)	2,724.000	1,198.000
Fluoride	715.200	408.700

(k) Subpart K—Consolidation and Casting Contact Cooling.

BAT EFFLUENT LIMITATIONS

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of columbium or tantalum cast or consolidated	
Lead .....	.000	.000
Zinc .....	.000	.000
Ammonia (as N) .....	.000	.000
Fluoride .....	.000	.000

[49 FR 8817, Mar. 8, 1984, as amended at 50 FR 12253, Mar. 28, 1985]

§ 421.114 Standards of performance for new sources.

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

(a) Subpart K—Concentrate Digestion Wet Air Pollution Control.

NSPS

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of concentrate digested	
Lead .....	.174	.081
Zinc .....	.635	.261
Ammonia (as N)	82.910	36.450
Fluoride	21.770	12.440
Total suspended solids	9.330	7.464
pH	(¹)	(¹)

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

(b) Subpart K—Solvent Extraction Raffinate.

NSPS

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of concentrate digested	
Lead	2.592	1.203
Zinc	9.442	3.888
Ammonia (as N)	1,233.000	542.5000
Fluoride	324.000	185.100
Total Suspended Solids	138.900	111.100
pH	(¹)	(¹)

AA¹ Within the range of 7.5 to 10.0 at all times.

(c) Subpart K—Solvent Extraction Wet Air Pollution Control.

NSPS

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of concentrate digested	
Lead .....	.069	.032
Zinc .....	.251	.103
Ammonia (as N)	32.790	14.420
Fluoride	8.610	4.920
Total suspended solids	3.690	2.952
pH	(¹)	(¹)

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

(d) Subpart K—Precipitation and Filtration.