

**Environmental Protection Agency**

**§ 421.282**

(b) Dryer vent caustic wet air pollution control.

**PSNS FOR THE PRIMARY RARE EARTH METALS SUBCATEGORY**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of mischmetal produced from wet rare earth chlorides	
Hexachlorobenzene .....	0.007	0.007
Chromium (total) .....	0.272	0.110
Lead .....	0.206	0.095
Nickel .....	0.404	0.272

(c) Electrolytic cell water quench and scrubber.

**PSNS FOR THE PRIMARY RARE EARTH METALS SUBCATEGORY**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of total mischmetal produced	
Hexachlorobenzene .....	0.094	0.094
Chromium (total) .....	3.474	1.409
Lead .....	2.629	1.221
Nickel .....	5.165	3.474

(d) Electrolytic cell caustic wet air pollution control.

**PSNS FOR THE PRIMARY RARE EARTH METALS SUBCATEGORY**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of total mischmetal produced	
Hexachlorobenzene .....	0.000	0.000
Chromium (total) .....	0.000	0.000
Lead .....	0.000	0.000
Nickel .....	0.000	0.000

(e) Sodium hypochlorite filter backwash.

**PSNS FOR THE PRIMARY RARE EARTH METALS SUBCATEGORY**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of total mischmetal produced	
Hexachlorobenzene .....	0.004	0.004

**PSNS FOR THE PRIMARY RARE EARTH METALS SUBCATEGORY—Continued**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
Chromium (total) .....	0.134	0.054
Lead .....	0.101	0.047
Nickel .....	0.199	0.134

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**Subpart Z—Secondary Tantalum Subcategory**

SOURCE: 50 FR 38374, Sept. 20, 1985, unless otherwise noted.

**§ 421.280 Applicability: Description of the secondary tantalum subcategory.**

The provisions of this subpart are applicable to discharges resulting from the production of tantalum at secondary tantalum facilities.

**§ 421.281 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.

**§ 421.282 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) Tantalum alloy leach and rinse.

**BPT LIMITATIONS FOR THE SECONDARY TANTALUM SUBCATEGORY**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of tantalum powder produced	
Copper .....	438.100	230.600
Lead .....	96.850	46.120
Nickel .....	442.800	292.900
Zinc .....	336.700	140.700
Tantalum .....	103.800	.....

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BPT LIMITATIONS FOR THE SECONDARY TANTALUM SUBCATEGORY—Continued

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
Total suspended solids .....	9,455.000	4,497.000
pH .....	( <sup>1</sup> )	( <sup>1</sup> )

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

(b) Capacitor leach and rinse.

BPT LIMITATIONS FOR THE SECONDARY TANTALUM SUBCATEGORY

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of tantalum powder produced from leaching	
Copper .....	38.380	20.200
Lead .....	8.484	4.040
Nickel .....	38.780	25.650
Zinc .....	29.490	12.320
Tantalum .....	9.090	.....
Total suspended solids .....	828.200	393.900
pH .....	( <sup>1</sup> )	( <sup>1</sup> )

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

(c) Tantalum sludge leach and rinse.

BPT LIMITATIONS FOR THE SECONDARY TANTALUM SUBCATEGORY

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of equivalent pure tantalum powder produced	
Copper .....	390.100	205.300
Lead .....	86.230	41.060
Nickel .....	394.200	260.700
Zinc .....	299.700	125.200
Tantalum .....	92.390	.....
Total suspended solids .....	8,417.000	4,003.000
pH .....	( <sup>1</sup> )	( <sup>1</sup> )

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

(d) Tantalum powder acid wash and rinse.

BPT LIMITATIONS FOR THE SECONDARY TANTALUM SUBCATEGORY

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of tantalum powder produced	
Copper .....	0.665	0.350
Lead .....	0.147	0.070
Nickel .....	0.672	0.445

BPT LIMITATIONS FOR THE SECONDARY TANTALUM SUBCATEGORY—Continued

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
Zinc .....	0.511	0.214
Tantalum .....	0.158	.....
Total suspended solids .....	14.350	6.825
pH .....	( <sup>1</sup> )	( <sup>1</sup> )

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

(e) Leaching wet air pollution control.

BPT LIMITATIONS FOR THE SECONDARY TANTALUM SUBCATEGORY

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of equivalent pure tantalum powder produced	
Copper .....	9.272	4.880
Lead .....	2.050	0.976
Nickel .....	9.370	6.198
Zinc .....	7.125	2.977
Tantalum .....	2.196	.....
Total suspended solids .....	200.100	95.160
pH .....	( <sup>1</sup> )	( <sup>1</sup> )

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

§ 421.283 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) Tantalum alloy leach and rinse.

BAT LIMITATIONS FOR THE SECONDARY TANTALUM SUBCATEGORY

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of tantalum powder produced	
Copper .....	295.200	140.700
Lead .....	64.570	29.980
Nickel .....	126.800	85.320
Zinc .....	235.200	96.850
Tantalum .....	103.800	.....