

**Environmental Protection Agency**

**§ 421.283**

**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	.....

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(b) Capacitor 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 from leaching	
Copper .....	25.860	12.320
Lead .....	5.656	2.626
Nickel .....	11.110	7.474
Zinc .....	20.600	8.484
Tantalum .....	9.090	.....

(c) Tantalum sludge 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 equivalent pure tantalum powder produced	
Copper .....	262.800	125.200
Lead .....	57.480	26.690
Nickel .....	112.900	75.960
Zinc .....	209.400	86.230
Tantalum .....	92.390	.....

(d) Tantalum powder acid wash 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 .....	0.448	0.214
Lead .....	0.098	0.046
Nickel .....	0.193	0.130
Zinc .....	0.357	0.147
Tantalum .....	0.158	.....

(e) Leaching wet air pollution control.

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 equivalent pure tantalum powder produced	
Copper .....	6.246	2.977
Lead .....	1.366	0.634
Nickel .....	2.684	1.806
Zinc .....	4.978	2.050
Tantalum .....	2.196	.....

§ 421.284 Standards of performance for new sources.

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

(a) Tantalum alloy leach and rinse.

NSPS 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	.....
Total suspended solids .....	3,459.000	2,767.000
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.

NSPS 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 .....	25.860	12.320
Lead .....	5.656	2.626
Nickel .....	11.110	7.474
Zinc .....	20.600	8.484
Tantalum .....	9.090	.....
Total suspended solids .....	303.000	242.400
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.