

§ 421.285

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 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	.....
Total suspended solids .....	3,080.000	2,464.000
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.

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 .....	0.448	0.214
Lead .....	0.098	0.046
Nickel .....	0.193	0.130
Zinc .....	0.357	0.147
Tantalum .....	0.158	.....
Total suspended solids .....	5.250	4.200
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.

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 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	.....
Total suspended solids .....	73.200	58.560
pH .....	( <sup>1</sup> )	( <sup>1</sup> )

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

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§ 421.285 [Reserved]

§ 421.286 Pretreatment standards for new sources.

Except as provided in 40 CFR 403.7, any new source subject to this subpart which introduces pollutants into a publicly owned treatment works must comply with 40 CFR part 403 and achieve the following pretreatment standards for new sources. The mass of wastewater pollutants in secondary tantalum process wastewater introduced into a POTW shall not exceed the following values:

(a) Tantalum alloy leach and rinse.

PSNS 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	.....

(b) Capacitor leach and rinse.

PSNS 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.

PSNS 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

**Environmental Protection Agency**

**§ 421.292**

**PSNS FOR THE SECONDARY TANTALUM  
SUBCATEGORY—Continued**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
Nickel .....	112.900	75.960
Zinc .....	209.400	86.230
Tantalum .....	92.390	.....

(d) Tantalum powder acid wash and rinse.

**PSNS 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.

**PSNS 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	.....

**§ 421.287 [Reserved]**

**Subpart AA—Secondary Tin  
Subcategory**

SOURCE: 50 FR 38376, Sept. 20, 1985, unless otherwise noted.

**§ 421.290 Applicability: Description of the secondary tin subcategory.**

The provisions of this subpart are applicable to discharges resulting from the production of tin at secondary tin facilities utilizing either pyrometallurgical or

hydrometallurgical processes to recover tin from secondary materials.

**§ 421.291 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.

**§ 421.292 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) Tin smelter SO<sub>2</sub> scrubber.

**BPT LIMITATIONS FOR THE SECONDARY TIN  
SUBCATEGORY**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of crude tapped tin metal produced	
Arsenic .....	19.220	8.554
Lead .....	3.863	1.840
Iron .....	11.040	5.611
Tin .....	3.495	2.024
Total suspended solids .....	377.100	179.400
pH .....	( <sup>1</sup> )	( <sup>1</sup> )

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

(b) Dealuminizing rinse.

**BPT LIMITATIONS FOR THE SECONDARY TIN  
SUBCATEGORY**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of dealuminized scrap produced	
Lead .....	0.015	0.007
Cyanide (total) .....	0.010	0.004
Fluoride .....	1.225	0.700
Tin .....	0.013	0.008
Total suspended solids .....	1.435	0.683
pH .....	( <sup>1</sup> )	( <sup>1</sup> )

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

(c) Tin mud acid neutralization filtrate.