

Environmental Protection Agency

§ 421.286

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	(¹)	(¹)

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

(c) Tantalum sludge 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 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	(¹)	(¹)

¹ 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	(¹)	(¹)

¹ 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	(¹)	(¹)

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

§ 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.

§ 421.287

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

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	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

(c) Tantalum sludge leach and rinse.

§ 421.287 [Reserved]

PSNS FOR THE SECONDARY TANTALUM SUBCATEGORY

Subpart AA—Secondary Tin 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

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.

(d) Tantalum powder acid wash and rinse.

§ 421.291 **Specialized definitions.**

PSNS FOR THE SECONDARY TANTALUM SUBCATEGORY

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.

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

§ 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:

(e) Leaching wet air pollution control.

- (a) Tin smelter SO₂ scrubber.