

**Environmental Protection Agency**

**§ 421.284**

(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.

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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.

§ 421.285

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	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.

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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.

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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	.....
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.

40 CFR Ch. I (7-1-12 Edition)

§ 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.

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