

Environmental Protection Agency

§ 421.115

(h) Subpart K—Reduction of Tantalum Salt to Metal.

NSPS

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of tantalum salt reduced	
Lead	46.500	21.590
Zinc	169.400	69.750
Ammonia (as N)	22,140.000	9,732.000
Fluoride	5,813.000	3,322.000
Total suspended solids	2,491.000	1,993.000
pH	(¹)	(¹)

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

(i) Subpart K—Reduction of Tantalum Salt to Metal Wet Air Pollution Control.

NSPS

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of tantalum salt reduced	
Lead .....	.572	.266
Zinc	2.084	.858
Ammonia (as N)	272.400	119.700
Fluoride	71.510	40.860
Total suspended solids	30.650	24.520
pH	(¹)	(¹)

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

(j) Subpart K—Tantalum Powder Wash.

NSPS

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of tantalum powder washed	
Lead	5.721	2.656
Zinc	20.840	8.582
Ammonia (as N)	2,724.000	1,198.000
Fluoride	715.200	408.700
Total suspended solids	306.500	245.200
pH	(¹)	(¹)

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

(k) Subpart K—Consolidation and Casting Contact Cooling.

NSPS

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of columbium or tantalum cast or consolidated	
Lead .....	.000	.000
Zinc .....	.000	.000
Ammonia (as N) .....	.000	.000
Fluoride .....	.000	.000
Total suspended solids .....	.000	.000
pH	(¹)	(¹)

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

[49 FR 8817, Mar. 8, 1984, as amended at 49 FR 29795, July 24, 1984; 50 FR 12253, Mar. 28, 1985]

§ 421.115 Pretreatment standards for existing sources.

Except as provided in 40 CFR 403.7 and 403.13, any existing 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 existing sources. The mass of wastewater pollutants in primary columbium-tantalum process wastewater introduced into a POTW shall not exceed the following values:

(a) Subpart K—Concentrate Digestion Wet Air Pollution Control.

PSES

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of concentrate digested	
Lead .....	.174	.081
Zinc .....	.635	.261
Ammonia (as N)	82.910	36.450
Fluoride	21.770	12.440

(b) Subpart K—Solvent Extraction Raffinate.

PSES

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of concentrate digested	
Lead	2.592	1.203
Zinc	9.442	3.888
Ammonia (as N)	1,233.000	542.5000

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PSES—Continued

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
Fluoride	324.000	185.100

(c) Subpart K—Solvent Extraction Wet Air Pollution Control.

PSES

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of concentrate digested	
Lead .....	.069	.032
Zinc .....	.251	.103
Ammonia (as N)	32.790	14.420
Fluoride	8.610	4.920

(d) Subpart K—Precipitation and Filtration.

PSES

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of concentrate digested	
Lead	3.833	1.780
Zinc	13.960	5.750
Ammonia (as N)	1,825.000	802.200
Fluoride	479.100	273.800

(e) Subpart K—Precipitation and Filtration Wet Air Pollution Control.

PSES

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of concentrate digested	
Lead	1.778	.826
Zinc	6.478	2.668
Ammonia (as N)	846.600	372.200
Fluoride	222.300	127.000

(f) Subpart K—Tantalum Salt Drying.

PSES

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of tantalum salt dried	
Lead	16.950	7.871
Zinc	61.750	25.430
Ammonia (as N)	8,070.000	3,548.000
Fluoride	2,119.000	1,211.000

(g) Subpart K—Oxides Calcining Wet Air Pollution Control.

PSES

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of columbium-tantalum oxide dried	
Lead	1.076	.500
Zinc	3.919	1.614
Ammonia (as N)	512.200	225.200
Fluoride	134.500	76.840

(h) Subpart K—Reduction of Tantalum Salt to Metal.

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Zinc	169.400	69.750
Ammonia (as N)	22,140.000	9,732.000
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(j) Subpart K—Tantalum Powder Wash.

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PSES

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Ammonia (as N)000	.000
Fluoride000	.000

[49 FR 8817, Mar. 8, 1984, as amended at 50 FR 12253, Mar. 28, 1985]

§421.116 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 primary columbium-tantalum process wastewater introduced into a POTW shall not exceed the following values:

(a) Subpart K—Concentrate Digestion Wet Air Pollution Control.

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Zinc	9.442	3.888
Ammonia (as N)	1,233.000	542.5000
Fluoride	324.000	185.100

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