

**Environmental Protection Agency**

**§ 421.316**

**PSES FOR THE SECONDARY TUNGSTEN AND COBALT SUBCATEGORY**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of cobalt produced	
Copper .....	139.600	66.510
Nickel .....	59.970	40.340
Ammonia (as N) .....	14,530.000	6,389.000
Cobalt .....	300.094	131.932
Tungsten .....	379.400	169.000

[50 FR 38386, Sept. 20, 1985, as amended at 55 FR 31717, 31718, Aug. 3, 1990]

**§ 421.316 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 tungsten and cobalt process wastewater introduced into a POTW shall not exceed the following values:

(a) Tungsten detergent wash and rinse.

**PSNS FOR THE SECONDARY TUNGSTEN AND COBALT SUBCATEGORY**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of tungsten scrap washed	
Copper .....	0.250	0.119
Nickel .....	0.107	0.072
Ammonia (as N) .....	25.990	11.430
Cobalt .....	0.538	0.236
Tungsten .....	0.679	0.302

(b) Tungsten leaching acid.

**PSNS FOR THE SECONDARY TUNGSTEN AND COBALT SUBCATEGORY**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of tungsten produced	
Copper .....	3.291	1.569
Nickel .....	1.414	0.951
Ammonia (as N) .....	342.700	150.700
Cobalt .....	7.096	3.111

**PSNS FOR THE SECONDARY TUNGSTEN AND COBALT SUBCATEGORY—Continued**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
Tungsten .....	8.947	3.985

(c) Tungsten post-leaching wash and rinse.

**PSNS FOR THE SECONDARY TUNGSTEN AND COBALT SUBCATEGORY**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of tungsten produced	
Copper .....	6.583	3.137
Nickel .....	2.829	1.903
Ammonia (as N) .....	685.600	301.400
Cobalt .....	14.194	6.223
Tungsten .....	17.900	7.792

(d) Synthetic scheelite filtrate.

**PSNS FOR THE SECONDARY TUNGSTEN AND COBALT SUBCATEGORY**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of synthetic scheelite produced	
Copper .....	21.330	10.170
Nickel .....	9.164	6.165
Ammonia (as N) .....	2,221.000	976.300
Cobalt .....	45.984	20.160
Tungsten .....	57.980	25.820

(e) Tungsten carbide leaching wet air pollution control.

**PSNS FOR THE SECONDARY TUNGSTEN AND COBALT SUBCATEGORY**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of tungsten carbide scrap leached	
Copper .....	2.241	1.068
Nickel .....	0.963	0.648
Ammonia (as N) .....	233.400	102.600
Cobalt .....	4.833	2.119
Tungsten .....	6.093	2.714

(f) Tungsten carbide wash water.

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PSNS FOR THE SECONDARY TUNGSTEN AND COBALT SUBCATEGORY

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of tungsten carbide produced	
Copper .....	10.670	5.083
Nickel .....	4.583	3.083
Ammonia (as N) .....	1,111.000	488.300
Cobalt .....	22.999	10.083
Tungsten .....	29.000	12.920

(g) Cobalt sludge leaching wet air pollution control.

PSNS FOR THE SECONDARY TUNGSTEN AND COBALT SUBCATEGORY

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of cobalt produced from cobalt sludge	
Copper .....	45.800	21.830
Nickel .....	19.680	13.240
Ammonia (as N) .....	4,770.000	2,097.000
Cobalt .....	98.756	43.295
Tungsten .....	124.500	55.460

(h) Crystallization decant.

PSNS FOR THE SECONDARY TUNGSTEN AND COBALT SUBCATEGORY

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of cobalt produced	
Copper .....	53.310	25.410
Nickel .....	22.910	15.410
Ammonia (as N) .....	5,552.000	2,441.000
Cobalt .....	114.954	50.397
Tungsten .....	144.900	64.560

(i) Acid wash decant.

PSNS FOR THE SECONDARY TUNGSTEN AND COBALT SUBCATEGORY

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of cobalt produced	
Copper .....	24.400	11.630
Nickel .....	10.490	7.053
Ammonia (as N) .....	2,541.000	1,117.000
Cobalt .....	52.611	23.065
Tungsten .....	66.340	29.550

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(j) Cobalt hydroxide filtrate.

PSNS FOR THE SECONDARY TUNGSTEN AND COBALT SUBCATEGORY

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of cobalt produced	
Copper .....	72.510	34.560
Nickel .....	31.160	20.960
Ammonia (as N) .....	7,551.000	3,320.000
Cobalt .....	156.346	68.543
Tungsten .....	197.100	87.800

(k) Cobalt hydroxide filter cake wash.

PSNS FOR THE SECONDARY TUNGSTEN AND COBALT SUBCATEGORY

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Cobalt .....	300.094	131.932
Tungsten .....	379.400	169.000

[50 FR 38386, Sept. 20, 1985, as amended at 55 FR 31718, 31719, Aug. 3, 1990]

§ 421.317 [Reserved]

Subpart AD—Secondary Uranium Subcategory

SOURCE: 50 FR 38392, Sept. 20, 1985, unless otherwise noted.

§ 421.320 Applicability: Description of the secondary uranium subcategory.

The provisions of this subpart are applicable to discharges resulting from the production of uranium (including depleted uranium) by secondary uranium facilities.

§ 421.321 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.