

**Environmental Protection Agency**

**§ 421.266**

**PSES FOR THE SECONDARY PRECIOUS METALS SUBCATEGORY—Continued**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
Combined metals .....	1.800	.....
Ammonia (as N) .....	799.800	351.600

(k) Other platinum group metals precipitation and filtration.

**PSES FOR THE SECONDARY PRECIOUS METALS SUBCATEGORY**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/troy ounce of other platinum group metals precipitated	
Copper .....	6.656	3.172
Cyanide (total) .....	1.040	0.416
Zinc .....	5.304	2.184
Combined metals .....	1.560	.....
Ammonia (as N) .....	693.200	304.700

(l) Spent solution from PGC salt production.

**PSES FOR THE SECONDARY PRECIOUS METALS SUBCATEGORY**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/troy ounce of gold contained in PGC product	
Copper .....	1.152	0.549
Cyanide (total) .....	0.180	0.072
Zinc .....	0.918	0.378
Combined metals .....	0.270	.....
Ammonia (as N) .....	120.000	52.740

(m) Equipment and floor wash.

**PSES FOR THE SECONDARY PRECIOUS METALS SUBCATEGORY**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/troy ounce of precious metals, including silver, produced in refinery	
Copper .....	0.000	0.000
Cyanide (total) .....	0.000	0.000
Zinc .....	0.000	0.000
Combined metals .....	0.000	.....
Ammonia (as N) .....	0.000	0.000

(n) Preliminary Treatment.

**PSES FOR THE SECONDARY PRECIOUS METALS SUBCATEGORY**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	Mg/troy ounce of total precious metals produced through this operation	
Copper .....	64.000	30.500
Cyanide (Total) .....	10.000	4.000
Zinc .....	51.000	21.000
Combined Metals .....	15.000	.....
Ammonia (as N) .....	6665.000	2930.000

[50 FR 38365, Sept. 20, 1985, as amended at 55 FR 31710, 31711, Aug. 3, 1990]

**§ 421.266 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 precious metals process wastewater introduced into a POTW shall not exceed the following values:

(a) Furnace wet air pollution control.

**PSNS FOR THE SECONDARY PRECIOUS METALS SUBCATEGORY**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/troy ounce of precious metals, including silver, incinerated or smelted	
Copper .....	5.760	2.745
Cyanide (total) .....	0.900	0.360
Zinc .....	4.590	1.890
Combined metals .....	1.350	.....
Ammonia (as N) .....	599.900	263.700

(b) Raw material granulation.

**PSNS FOR THE SECONDARY PRECIOUS METALS SUBCATEGORY**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/troy ounce of precious metals, in the granulated raw material	
Copper .....	0.819	0.390
Cyanide (total) .....	0.128	0.051
Zinc .....	0.653	0.269
Combined metals .....	0.192	.....

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PSNS FOR THE SECONDARY PRECIOUS METALS SUBCATEGORY—Continued

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
Ammonia .....	85.310	37.500

(c) Spent plating solutions.

PSNS FOR THE SECONDARY PRECIOUS METALS SUBCATEGORY

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/liter of spent plating solution used as a raw material	
Copper .....	1.280	0.610
Cyanide (total) .....	0.200	0.080
Zinc .....	1.020	0.420
Combined metals .....	0.300	.....
Ammonia (as N) .....	133.300	58.600

(d) Spent cyanide stripping solutions.

PSNS FOR THE SECONDARY PRECIOUS METALS SUBCATEGORY

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/troy ounce of gold produced by cyanide stripping	
Copper .....	4.736	2.257
Cyanide (total) .....	0.740	0.296
Zinc .....	3.774	1.554
Combined metals .....	1.110	.....
Ammonia (as N) .....	493.200	216.800

(e) Refinery Wet Air Pollution Control.<sup>1</sup>

PSNS FOR THE SECONDARY PRECIOUS METALS SUBCATEGORY

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/troy ounce of precious metals, including silver, produced in refinery	
Copper .....	1.280	0.610
Cyanide (total) .....	0.200	0.080
Zinc .....	1.020	0.420
Combined metals .....	0.300	.....

<sup>1</sup>This allowance applies to either acid or alkaline wet air pollution control scrubbers. If both acid and alkaline wet air pollution control scrubbers are present in a particular facility the same allowance applies to each.

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PSNS FOR THE SECONDARY PRECIOUS METALS SUBCATEGORY—Continued

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
Ammonia (as N) .....	133.300	58.600

(f) Gold solvent extraction raffinate and wash water.

PSNS FOR THE SECONDARY PRECIOUS METALS SUBCATEGORY

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/troy ounce of gold produced by solvent extraction	
Copper .....	0.806	0.384
Cyanide (total) .....	0.126	0.050
Zinc .....	0.643	0.265
Combined metals .....	0.189	.....
Ammonia (as N) .....	83.980	36.920

(g) Gold spent electrolyte.

PSNS FOR THE SECONDARY PRECIOUS METALS SUBCATEGORY

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/troy ounce of gold produced by electrolysis	
Copper .....	0.011	0.005
Cyanide (total) .....	0.002	0.001
Zinc .....	0.009	0.004
Combined metals .....	0.300	.....
Ammonia (as N) .....	1.160	0.510

(h) Gold precipitation and filtration.

PSNS FOR THE SECONDARY PRECIOUS METALS SUBCATEGORY

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/troy ounce of gold precipitated	
Copper .....	5.632	2.684
Cyanide (total) .....	0.880	0.352
Zinc .....	4.488	1.848
Combined metals .....	1.320	.....
Ammonia (as N) .....	586.500	257.800

(i) Platinum precipitation and filtration.

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**PSNS FOR THE SECONDARY PRECIOUS METALS SUBCATEGORY**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/troy ounce of platinum precipitated	
Copper .....	6.656	3.172
Cyanide (total) .....	1.040	0.416
Zinc .....	5.304	2.184
Combined metals .....	1.560	.....
Ammonia (as N) .....	693.200	304.700

**(j) Palladium precipitation and filtration.**

**PSNS FOR THE SECONDARY PRECIOUS METALS SUBCATEGORY**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/troy ounce of platinum precipitated	
Copper .....	7.680	3.660
Cyanide (Total) .....	1.200	0.480
Zinc .....	6.120	2.520
Combined Metals .....	1.800	.....
Ammonia (as N) .....	799.800	351.600

**(k) Other platinum group metals precipitation and filtration.**

**PSNS FOR THE SECONDARY PRECIOUS METALS SUBCATEGORY**

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Copper .....	0.000	0.000
Cyanide (total) .....	0.000	0.000
Zinc .....	0.000	0.000
Combined metals .....	0.000	.....
Ammonia (as N) .....	0.000	0.000

**(n) Preliminary Treatment.**

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[50 FR 38365, Sept. 20, 1985, as amended at 55 FR 31711-31713, Aug. 3, 1990]

**§ 421.267 [Reserved]**

**Subpart Y—Primary Rare Earth Metals Subcategory**

SOURCE: 50 FR 38371, Sept. 20, 1985, unless otherwise noted.

**§ 421.270 Applicability: Description of the primary rare earth metals subcategory.**

The provisions of this subpart are applicable to discharges resulting from the production of rare earth metals and mischmetal by primary rare earth metals facilities processing rare earth metal oxides, chlorides, and fluorides.