

§ 421.267

(k) Other platinum group metals 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 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.

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 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.

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	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.

PSNS 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

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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
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 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.

§ 421.271 Specialized definitions.

In addition to what is provided below:

(a) The general definitions, abbreviations, and methods of analysis set forth in 40 CFR part 401 shall apply to this subpart.

(b) The term *rare earth metals* refers to the elements scandium, yttrium, and lanthanum to lutetium, inclusive.

(c) The term *mischmetal* refers to a rare earth metal alloy comprised of the natural mixture of rare earths to about 94-99 percent. The balance of the alloy includes traces of other elements and one to two percent iron.

§§ 421.272-421.273 [Reserved]

§ 421.274 Standards of performance for new sources.

Any new source subject to this subpart shall achieve the following new source performance standards:

(a) Dryer Vent Water Quench and Scrubber.

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NSPS FOR THE PRIMARY RARE EARTH METALS SUBCATEGORY

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of mischmetal produced from wet rare earth chlorides	
Hexachlorobenzene	0.042	0.042
Chromium (total)	1.544	0.626
Lead	1.168	0.542
Nickel	2.295	1.544
Total suspended solids	62.600	50.080
pH	(¹)	(¹)

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

(b) Dryer vent caustic wet air pollution control.

NSPS FOR THE PRIMARY RARE EARTH METALS SUBCATEGORY

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of mischmetal produced from wet rare earth chlorides	
Hexachlorobenzene	0.007	0.007
Chromium (total)	0.272	0.110
Lead	0.206	0.095
Nickel	0.404	0.272
Total suspended solids	11.010	8.808
pH	(¹)	(¹)

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

(c) Electrolytic cell water quench and scrubber.

NSPS FOR THE PRIMARY RARE EARTH METALS SUBCATEGORY

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of total mischmetal produced	
Hexachlorobenzene	0.094	0.094
Chromium (total)	3.474	1.409
Lead	2.629	1.221
Nickel	5.165	3.474
Total suspended solids	140.900	112.700
pH	(¹)	(¹)

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

(d) Electrolytic cell caustic wet air pollution control.

NSPS FOR THE PRIMARY RARE EARTH METALS SUBCATEGORY

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of total mischmetal produced	
Hexachlorobenzene	0.000	0.000
Chromium (total)	0.000	0.000
Lead	0.000	0.000
Nickel	0.000	0.000
Total suspended solids	0.000	0.000
pH	(¹)	(¹)

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

(e) Sodium hypochlorite filter backwash.

NSPS FOR THE PRIMARY RARE EARTH METALS SUBCATEGORY

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of total mischmetal produced	
Hexachlorobenzene	0.004	0.004
Chromium (total)	0.134	0.054
Lead	0.101	0.047
Nickel	0.199	0.134
Total suspended solids	5.430	4.334
pH	(¹)	(¹)

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

§ 421.275 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 rare earth metals process wastewater introduced into a POTW must not exceed the following values:

(a) Dryer vent water quench scrubber.