

## § 421.271

### § 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.

#### 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 .....	( <sup>1</sup> )	( <sup>1</sup> )

<sup>1</sup> 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

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### NSPS FOR THE PRIMARY RARE EARTH METALS SUBCATEGORY—Continued

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
pH .....	( <sup>1</sup> )	( <sup>1</sup> )

<sup>1</sup> 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 .....	( <sup>1</sup> )	( <sup>1</sup> )

<sup>1</sup> 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 .....	( <sup>1</sup> )	( <sup>1</sup> )

<sup>1</sup> 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