

**Environmental Protection Agency**

**§ 421.216**

(e) Depleted rhenium scrubbing solution.

**NSPS FOR THE PRIMARY MOLYBDENUM AND RHENIUM SUBCATEGORY**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of molybdenum sulfide roasted	
Arsenic .....	0.995	0.444
Lead .....	0.201	0.093
Nickel .....	0.394	0.265
Selenium .....	0.587	0.265
Molybdenum .....	[Reserved]	[Reserved].
Ammonia (as N) .....	95.440	41.960
Fluoride .....	25.060	14.250
Total suspended solids .....	10.740	8.592
pH .....	( <sup>1</sup> )	( <sup>1</sup> )

<sup>1</sup> Within the range of 7.5 to 10.0 at all times.

[50 FR 38355, Sept. 20, 1985, as amended at 55 FR 31702, Aug. 3, 1990]

**§ 421.215 [Reserved]**

**§ 421.216 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 molybdenum and rhenium process wastewater introduced into a POTW shall not exceed the following values:

(a) Molybdenum sulfide leachate.

**PSNS FOR THE PRIMARY MOLYBDENUM AND RHENIUM SUBCATEGORY**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of molybdenum sulfide leached	
Arsenic .....	0.644	0.287
Lead .....	0.130	0.060
Nickel .....	0.255	0.171
Selenium .....	0.380	0.171
Molybdenum .....	[Reserved]	[Reserved].
Ammonia (as N) .....	61.720	27.130
Fluoride .....	16.210	9.214

(b) Roaster SO<sub>2</sub> scrubber.

**PSNS FOR THE PRIMARY MOLYBDENUM AND RHENIUM SUBCATEGORY**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of molybdenum sulfide roasted	
Arsenic .....	2.334	1.041
Lead .....	0.470	0.218
Nickel .....	0.924	0.621
Selenium .....	1.377	0.621
Molybdenum .....	[Reserved]	[Reserved].
Ammonia (as N) .....	223.800	98.390
Fluoride .....	58.770	33.410

(c) Molybdic oxide leachate.

**PSNS FOR THE PRIMARY MOLYBDENUM AND RHENIUM SUBCATEGORY**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of molybdenum contained in molybdic oxide leached	
Arsenic .....	16.100	7.182
Lead .....	3.244	1.506
Nickel .....	6.371	4.286
Selenium .....	9.499	4.286
Molybdenum .....	[Reserved]	[Reserved].
Ammonia (as N) .....	1,544.000	678.800
Fluoride .....	405.400	230.500

(d) Hydrogen reduction furnace scrubber.

**PSNS FOR THE PRIMARY MOLYBDENUM AND RHENIUM SUBCATEGORY**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of molybdenum metal powder produced	
Arsenic .....	3.183	1.420
Lead .....	0.641	0.298
Nickel .....	1.260	0.847
Selenium .....	1.878	0.847
Molybdenum .....	[Reserved]	[Reserved].
Ammonia (as N) .....	305.300	134.200
Fluoride .....	80.150	45.570

(e) Depleted rhenium scrubbing solution.

§ 421.217

PSNS FOR THE PRIMARY MOLYBDENUM AND RHENIUM SUBCATEGORY

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of molybdenum sulfide roasted	
Arsenic .....	0.995	0.444
Lead .....	0.201	0.093
Nickel .....	0.394	0.265
Selenium .....	0.587	0.265
Molybdenum .....	[Reserved]	[Reserved]
Ammonia (as N) .....	95.440	41.960
Fluoride .....	25.060	14.250

[50 FR 38355, Sept. 20, 1985, as amended at 55 FR 31702, 31703, Aug. 3, 1990]

§ 421.217 [Reserved]

Subpart T—Secondary Molybdenum and Vanadium Subcategory

SOURCE: 50 FR 38357, Sept. 20, 1985, unless otherwise noted.

§ 421.220 Applicability: Description of the secondary molybdenum and vanadium subcategory.

The provisions of this subpart are applicable to discharges resulting from the production of molybdenum or vanadium by secondary molybdenum and vanadium facilities.

§ 421.221 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.

§ 421.222 Effluent limitations guidelines representing the degree of effluent reduction attainable by the application of the best practicable control technology currently available.

Except as provided in 40 CFR 125.30 through 125.32, any existing point source subject to this subpart shall achieve the following effluent limitations representing the degree of effluent reduction attainable by the application of the best practicable technology currently available:

(a) Leach tailings.

40 CFR Ch. I (7–1–12 Edition)

BPT LIMITATIONS FOR THE SECONDARY MOLYBDENUM AND VANADIUM SUBCATEGORY

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of technical grade molybdenum plus vanadium plus pure grade molybdenum produced	
Arsenic .....	40.778	18.145
Chromium .....	8.585	3.512
Lead .....	8.195	3.902
Nickel .....	37.460	24.779
Iron .....	23.410	11.902
Molybdenum .....	[Reserved]	[Reserved]
Ammonia (as N) .....	8078.000	3551.000
Total Suspended Solids .....	799.950	380.460
pH .....	( <sup>1</sup> )	( <sup>1</sup> )

<sup>1</sup> Within the range of 7.5 to 10.0 at all times.

(b) Molybdenum filtrate solvent extraction raffinate.

BPT LIMITATIONS FOR THE SECONDARY MOLYBDENUM AND VANADIUM SUBCATEGORY

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of technical grade molybdenum plus vanadium plus pure grade molybdenum produced	
Arsenic .....	121.720	54.162
Chromium .....	25.625	10.483
Lead .....	24.460	11.648
Nickel .....	111.819	73.964
Iron .....	69.887	35.526
Molybdenum .....	[Reserved]	[Reserved]
Ammonia (as N) .....	24114.000	10600.000
Total Suspended Solids .....	2387.800	1135.660
pH .....	( <sup>1</sup> )	( <sup>1</sup> )

<sup>1</sup> Within the range of 7.5 to 10.0 at all times.

(c) Vanadium decomposition wet air pollution control.

BPT LIMITATIONS FOR THE SECONDARY MOLYBDENUM AND VANADIUM SUBCATEGORY

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of vanadium produced by decomposition	
Arsenic .....	0.000	0.000
Chromium .....	0.000	0.000
Lead .....	0.000	0.000
Nickel .....	0.000	0.000
Iron .....	0.000	0.000
Molybdenum .....	0.000	0.000