

**Environmental Protection Agency**

**§ 421.213**

(d) Hydrogen reduction furnace scrubber.

**BPT LIMITATIONS 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 .....	47.860	21.300
Lead .....	9.617	4.580
Nickel .....	43.970	29.080
Selenium .....	28.170	12.600
Molybdenum .....	[Reserved]	[Reserved]
Ammonia (as N) .....	3,052.000	1,342.000
Fluoride .....	801.400	455.700
Total suspended solids .....	938.800	446.500
pH .....	( <sup>1</sup> )	( <sup>1</sup> )

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

(e) Depleted rhenium scrubbing solution.

**BPT LIMITATIONS 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 .....	1.497	0.666
Lead .....	0.301	0.143
Nickel .....	1.375	0.909
Selenium .....	0.881	0.394
Molybdenum .....	[Reserved]	[Reserved]
Ammonia (as N) .....	95.440	41.960
Fluoride .....	25.060	14.250
Total suspended solids .....	29.360	13.960
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 31701, Aug. 3, 1990]

**§ 421.213 Effluent limitations guidelines representing the degree of effluent reduction attainable by the application of the best available technology economically achievable.**

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 appli-

cation of the best available technology economically achievable:

(a) Molybdenum sulfide leachate.

**BAT LIMITATIONS 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.

**BAT LIMITATIONS 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) Molybdc oxide leachate.

**BAT LIMITATIONS 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 molybdc 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.

§ 421.214

40 CFR Ch. I (7-1-12 Edition)

BAT LIMITATIONS 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.

BAT LIMITATIONS 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 31701, 31702, Aug. 3, 1990]

§ 421.214 Standards of performance for new sources.

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

(a) Molybdenum sulfide leachate.

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 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
Total suspended solids .....	6.945	5.556
pH .....	( <sup>1</sup> )	( <sup>1</sup> )

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

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

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 .....	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
Total suspended solids .....	25.190	20.150
pH .....	( <sup>1</sup> )	( <sup>1</sup> )

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

(c) Molybdc oxide leachate.

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 contained in molybdc 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
Total suspended solids .....	173.800	139.000
pH .....	( <sup>1</sup> )	( <sup>1</sup> )

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

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	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
Total suspended solids .....	34.350	27.480
pH .....	( <sup>1</sup> )	( <sup>1</sup> )

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