

**Environmental Protection Agency**

**§ 421.224**

**§ 421.223 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 application of the best available technology economically achievable:

(a) Leach Tailings.

**BAT 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 .....	27.120	12.097
Chromium .....	7.219	2.927
Lead .....	5.463	2.536
Nickel .....	10.731	7.219
Iron .....	23.413	11.902
Molybdenum .....	[Reserved]	[Reserved]
Ammonia (as N) .....	8078.000	3551.000

(b) Molybdenum filtrate solvent extraction raffinate.

**BAT 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 .....	80.952	36.108
Chromium .....	21.548	8.736
Lead .....	16.306	7.571
Nickel .....	32.031	21.548
Iron .....	69.887	35.526
Molybdenum .....	[Reserved]	[Reserved]
Ammonia (as N) .....	24114.000	10600.000

(c) Vanadium decomposition wet air pollution control.

**BAT 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
Ammonia (as N) .....	0.000	0.000

(d) Molybdenum drying wet air pollution control.

**BAT 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 molybdenum produced	
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
Ammonia (as N) .....	0.000	0.000

(e) Pure Grade Molybdenum.

**BAT 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 pure molybdenum produced	
Arsenic .....	32.359	14.434
Chromium .....	8.614	3.492
Lead .....	6.518	3.026
Nickel .....	12.804	8.614
Iron .....	27.936	14.201
Molybdenum .....	[Reserved]	[Reserved]
Ammonia (as N) .....	9638.000	4237.000

[50 FR 38357, Sept. 20, 1985, as amended at 55 FR 31703, 31704, Aug. 3, 1990]

**§ 421.224 Standards of performance for new sources.**

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

(a) Leach tailings.

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NSPS 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 .....	27.120	12.097
Chromium .....	7.219	2.927
Lead .....	5.463	2.536
Nickel .....	10.731	7.219
Iron .....	23.413	11.902
Molybdenum .....	[Reserved]	[Reserved]
Ammonia (as N) .....	8078.000	3551.000
Total Suspended Solids .....	292.665	234.132
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.

NSPS 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 .....	80.952	36.108
Chromium .....	21.548	8.736
Lead .....	16.306	7.571
Nickel .....	32.031	21.548
Iron .....	69.887	35.526
Molybdenum .....	[Reserved]	[Reserved]
Ammonia (as N) .....	24114.000	10600.000
Total Suspended Solids .....	873.585	698.868
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.

NSPS 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 molybdenum and vanadium produced	
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

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NSPS FOR THE SECONDARY MOLYBDENUM AND VANADIUM SUBCATEGORY—Continued

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

(d) Molybdenum drying wet air pollution control.

NSPS 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 molybdenum and vanadium produced	
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
Ammonia (as N) .....	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) Pure Grade Molybdenum.

NSPS 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 pure molybdenum produced	
Arsenic .....	32.359	14.434
Chromium .....	8.614	3.492
Lead .....	6.518	3.026
Nickel .....	12.804	8.614
Iron .....	27.936	14.201
Molybdenum .....	[Reserved]	[Reserved]
Ammonia (as N) .....	9638.000	4237.000
Total Suspended Solids .....	349.200	279.360
pH .....	( <sup>1</sup> )	( <sup>1</sup> )

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

[50 FR 38357, Sept. 20, 1985, as amended at 55 FR 31704, Aug. 3, 1990]

§ 421.225 [Reserved]

§ 421.226 Pretreatment standards for new sources.

Except as provided in 40 CFR 403.7, any new source subject to this subpart