

**Environmental Protection Agency**

**§ 421.226**

**NSPS FOR THE SECONDARY MOLYBDENUM AND VANADIUM SUBCATEGORY—Continued**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
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 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 secondary molybdenum and vanadium process wastewater introduced into a POTW shall not exceed the following values:

(a) Leach tailings.

**PSNS 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.

**PSNS 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.

**PSNS 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) vanadium produced by decomposition	
Arsenic .....	0.000	0.000

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PSNS FOR THE SECONDARY MOLYBDENUM AND VANDADIUM SUBCATEGORY—Continued

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
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.

PSNS FOR THE SECONDARY MOLYBDENUM AND VANDADIUM 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.

PSNS 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 31704, 31705 Aug. 3, 1990]

§ 421.227 [Reserved]

Subpart U—Primary Nickel and Cobalt Subcategory

SOURCE: 50 FR 38359, Sept. 20, 1985, unless otherwise noted.

40 CFR Ch. I (7–1–09 Edition)

§ 421.230 Applicability: Description of the primary nickel and cobalt subcategory.

The provisions of this subpart are applicable to discharges resulting from the production of nickel or cobalt by primary nickel and cobalt facilities processing ore concentrate raw materials.

§ 421.231 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.

§ 421.232 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) Raw Material dust control.

BPT LIMITATIONS FOR THE PRIMARY NICKEL AND COBALT SUBCATEGORY

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of copper, nickel, and cobalt in the crushed raw material	
Copper .....	0.146	0.077
Nickel .....	0.148	0.098
Ammonia (as N) .....	10.260	4.512
Cobalt .....	0.016	0.007
Total suspended solids .....	3.157	1.502
pH .....	(1)	(1)

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

(b) Nickel wash water.

BPT LIMITATIONS FOR THE PRIMARY NICKEL AND COBALT SUBCATEGORY

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of nickel powder washed	
Copper .....	0.064	0.034