

**Environmental Protection Agency**

**§ 421.233**

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

AA<sup>1</sup> 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
Nickel .....	0.065	0.043
Ammonia (as N) .....	4.515	1.985
Cobalt .....	0.007	0.003
Total suspended solids .....	1.389	0.660
pH .....	( <sup>1</sup> )	( <sup>1</sup> )

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

(c) Nickel reduction decant.

**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 produced	
Copper .....	24.120	12.700
Nickel .....	24.370	16.120
Ammonia (as N) .....	1,692.000	743.900
Cobalt .....	2.666	1.143
Total suspended solids .....	520.500	247.600
pH .....	( <sup>1</sup> )	( <sup>1</sup> )

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

(d) Cobalt reduction decant.

**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 cobalt produced	
Copper .....	40.660	21.400
Nickel .....	41.080	27.180
Ammonia (as N) .....	2,852.000	1,254.000
Cobalt .....	4.494	1.926
Total suspended solids .....	877.300	417.300
pH .....	( <sup>1</sup> )	( <sup>1</sup> )

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

**§ 421.233 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) Raw material dust control.

**BAT 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 .....	0.099	0.047
Nickel .....	0.042	0.028
Ammonia (as N) .....	10.260	4.512

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**BAT LIMITATIONS FOR THE PRIMARY NICKEL AND COBALT SUBCATEGORY—Continued**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
Cobalt .....	0.011	0.005

(b) Nickel wash water.

**BAT 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 .....	0.043	0.021
Nickel .....	0.019	0.013
Ammonia (as N) .....	4.515	1.985
Cobalt .....	0.005	0.002

(c) Nickel reduction decant.

**BAT 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 produced	
Copper .....	16.250	7.744
Nickel .....	6.982	4.697
Ammonia (as N) .....	1,692.000	743.900
Cobalt .....	1.777	0.889

(d) Cobalt reduction decant.

**BAT 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 cobalt produced	
Copper .....	27.390	13.050
Nickel .....	11.770	7.917
Ammonia (as N) .....	2,852.000	1,254.000
Cobalt .....	2.996	1.498

[50 FR 38359, Sept. 20, 1985; 50 FR 41144, Oct. 9, 1985]

**40 CFR Ch. I (7-1-00 Edition)**

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

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

(a) Raw Material Dust Control.

**NSPS 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 .....	0.099	0.047
Nickel .....	0.042	0.028
Ammonia (as N) .....	10.260	4.512
Cobalt .....	0.011	0.005
Total suspended solids .....	1.155	0.924
pH .....	<sup>1</sup>	<sup>1</sup>

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

(b) Nickel wash water.

**NSPS 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 .....	0.043	0.021
Nickel .....	0.019	0.013
Ammonia (as N) .....	4.515	1.985
Cobalt .....	0.005	0.002
Total suspended solids .....	0.508	0.406
pH .....	<sup>1</sup>	<sup>1</sup>

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

(c) Nickel reduction decant.

**NSPS 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 produced	
Copper .....	16.250	7.744
Nickel .....	6.982	4.697
Ammonia (as N) .....	1,692.000	743.900
Cobalt .....	1.777	0.889
Total suspended solids .....	190.400	152.300
pH .....	<sup>1</sup>	<sup>1</sup>

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