

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 | (¹) | (¹) |

¹ 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 | (¹) | (¹) |

¹ 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 SO₂ 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) Molybdic 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 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.

§ 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 | (¹) | (¹) |

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

(b) Roaster SO₂ 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 | (¹) | (¹) |

¹ 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 | (¹) | (¹) |

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

(d) Hydrogen reduction furnace 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 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 | (¹) | (¹) |

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