

§ 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) Molybdic 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 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 |
| 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.

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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 | (¹) | (¹) |

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

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(e) Depleted rhenium scrubbing solution.

NSPS FOR THE PRIMARY MOLYBDENUM AND RHENIUM SUBCATEGORY

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| | 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 |
| Total suspended solids | 10.740 | 8.592 |
| 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 31702, Aug. 3, 1990]

§ 421.215 [Reserved]

§ 421.216 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 primary molybdenum and rhenium process wastewater introduced into a POTW shall not exceed the following values:

(a) Molybdenum sulfide leachate.

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| 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.

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| | 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.

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

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