

§ 421.105

40 CFR Ch. I (7-1-12 Edition)

NSPS—Continued

| Pollutant or pollutant property | Maximum for any 1 day | Maximum for monthly average |
|---------------------------------|-----------------------|-----------------------------|
| pH | (1) | (1) |

¹Within the range of 7.0 to 10.0 at all times.

(n) Subpart J—Molybdenum Sulfide Precipitation Wet Air Pollution Control.

NSPS

| Pollutant or pollutant property | Maximum for any 1 day | Maximum for monthly average |
|---------------------------------|--|-----------------------------|
| | mg/kg (pounds per million pounds) of tungsten metal produced | |
| Lead | .00 | .000 |
| Zinc | .000 | .000 |
| Ammonia (as N) | .000 | .000 |
| Total suspended solids | .000 | .000 |
| pH | (1) | (1) |

¹Within the range of 7.0 to 10.0 at all times.

[49 FR 8812, Mar. 8, 1984, as amended at 53 FR 1709, Jan. 21, 1988]

§ 421.105 Pretreatment standards for existing sources.

Except as provided in 40 CFR 403.7 and 403.13, any existing 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 existing sources. The mass of wastewater pollutants in primary tungsten process wastewater introduced into a POTW shall not exceed the following values:

(a) Subpart J—Tungstic Acid Rinse.

PSES

| Pollutant or pollutant property | Maximum for any 1 day | Maximum for monthly average |
|---------------------------------|--|-----------------------------|
| | mg/kg (pounds per million pounds) of tungstic acid (as W) produced | |
| Lead | 11.490 | 5.333 |
| Zinc | 41.850 | 17.230 |
| Ammonia (as N) | 5,469.000 | 2,404.000 |

(b) Subpart J—Acid Leach Wet Air Pollution Control.

PSES

| Pollutant or pollutant property | Maximum for any 1 day | Maximum for monthly average |
|---------------------------------|--|-----------------------------|
| | mg/kg (pounds per million pounds) of tungstic acid (as W) produced | |
| Lead | 1.003 | 0.466 |
| Zinc | 3.653 | 1.504 |
| Ammonia (as N) | 477.400 | 209.900 |

(c) Subpart J—Alkali Leach Wash.

PSES

| Pollutant or pollutant property | Maximum for any 1 day | Maximum for monthly average |
|---------------------------------|--|-----------------------------|
| | mg/kg (pounds per million pounds) of tungstate (as W) produced | |
| Lead | 0.000 | 0.000 |
| Zinc | 0.000 | 0.000 |
| Ammonia (as N) | 0.000 | 0.000 |

(d) Subpart J—Alkali Leach Wash Condensate.

PSES

| Pollutant or pollutant property | Maximum for any 1 day | Maximum for monthly average |
|---------------------------------|---|-----------------------------|
| | mg/kg (pounds per million pounds) of sodium tungstate (as W) produced | |
| Lead | 5.372 | 2.494 |
| Zinc | 19.570 | 8.057 |
| Ammonia (as N) | 2,557.000 | 1,124.000 |

(e) Subpart J—Ion Exchange Raffinate (Commingled With Other Process or Nonprocess Waters).

PSES

| Pollutant or pollutant property | Maximum for any 1 day | Maximum for monthly average |
|---------------------------------|--|-----------------------------|
| | mg/kg (pounds per million pounds) of tungstate (as W) produced | |
| Lead | 24.780 | 11.500 |
| Zinc | 90.240 | 37.160 |
| Ammonia (as N) | 11,790.000 | 5,185.000 |

(f) Subpart J—Ion Exchange Raffinate (Not Commingled With Other Process or Nonprocess Waters).

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PSES

| Pollutant or pollutant property | Maximum for any 1 day | Maximum for monthly average |
|-----------------------------------|---|-----------------------------|
| | mg/kg (pounds per million pounds) of ammonium tungstate (as W) produced | |
| Lead | 24.780 | 11.500 |
| Zinc | 90.240 | 37.160 |
| Ammonia (as N) ¹ | 11,790.000 | 5,185.000 |

¹ The pretreatment standard for this pollutant does not apply if (a) the mother liquor feed to the ion exchange process or the raffinate from the ion exchange process contains sulfates at concentrations exceeding 1000 mg/l; (b) this mother liquor or raffinate is treated by ammonia steam stripping; and (c) such mother liquor or raffinate is not commingled with any other process or nonprocess waters prior to steam stripping for ammonia removal.

(g) Subpart J—Calcium Tungstate Precipitate Wash.

PSES

| Pollutant or pollutant property | Maximum for any 1 day | Maximum for monthly average |
|---------------------------------|--|-----------------------------|
| | mg/kg (pounds per million pounds) of calcium tungstate (as W) produced | |
| Lead | 20.670 | 9.594 |
| Zinc | 75.280 | 31.000 |
| Ammonia (as N) | 9,838.000 | 4,325.000 |

(h) Subpart J—Crystallization and Drying of Ammonium Paratungstate.

PSES

| Pollutant or pollutant property | Maximum for any 1 day | Maximum for monthly average |
|---------------------------------|---|-----------------------------|
| | mg/kg (pounds per million pounds) of ammonium paratungstate (as W) produced | |
| Lead | 0.000 | 0.000 |
| Zinc | 0.000 | 0.000 |
| Ammonia (as N) | 0.000 | 0.000 |

(i) Subpart J—Ammonium Paratungstate Conversion to Oxides Wet Air Pollution Control.

PSES

| Pollutant or pollutant property | Maximum for any 1 day | Maximum for monthly average |
|---------------------------------|---|-----------------------------|
| | mg/kg (pounds per million pounds) of tungstic oxide (as W) produced | |
| Lead | 0.773 | 0.359 |
| Zinc | 2.817 | 1.160 |
| Ammonia (as N) | 368.200 | 161.900 |

(j) Subpart J—Ammonium Paratungstate Conversion to Oxides Water of Formation.

PSES

| Pollutant or pollutant property | Maximum for any 1 day | Maximum for monthly average |
|---------------------------------|---|-----------------------------|
| | mg/kg (pounds per million pounds) of tungstic oxide (as W) produced | |
| Lead | 0.018 | 0.008 |
| Zinc | 0.064 | 0.026 |
| Ammonia (as N) | 8.398 | 3.692 |

(k) Subpart J—Reduction to Tungsten Wet Air Pollution Control.

PSES

| Pollutant or pollutant property | Maximum for any 1 day | Maximum for monthly average |
|---------------------------------|--|-----------------------------|
| | mg/kg (pounds per million pounds) of tungsten metal produced | |
| Lead | .862 | .400 |
| Zinc | 3.142 | 1.294 |
| Ammonia (as N) | 410.600 | 180.500 |

(l) Subpart J—Reduction to Tungsten Water of Formation.

PSES

| Pollutant or pollutant property | Maximum for any 1 day | Maximum for monthly average |
|---------------------------------|--|-----------------------------|
| | mg/kg (pounds per million pounds) of tungsten metal produced | |
| Lead | .137 | .064 |
| Zinc | .499 | .205 |
| Ammonia (as N) | 65.190 | 28.660 |

(m) Subpart J—Tungsten Powder Acid Leach and Wash.

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| Pollutant or pollutant property | Maximum for any 1 day | Maximum for monthly average |
|---------------------------------|--|-----------------------------|
| | mg/kg (pounds per million pounds) of tungsten metal produced | |
| Lead | .672 | .312 |
| Zinc | 2.448 | 1.008 |
| Ammonia (as N) | 319.900 | 140.700 |

(n) Subpart J—Molybdenum Sulfide Precipitation Wet Air Pollution Control.

PSNS

| Pollutant or pollutant property | Maximum for any 1 day | Maximum for monthly average |
|---------------------------------|--|-----------------------------|
| | mg/kg (pounds per million pounds) of tungsten metal produced | |
| Lead | 0.000 | 0.000 |
| Zinc | 0.000 | 0.000 |
| Ammonia (as N) | 0.000 | 0.000 |

[49 FR 8812, Mar. 8, 1984, as amended at 53 FR 1711, Jan. 21, 1988]

§ 421.106 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 tungsten process wastewater introduced into a POTW shall not exceed the following values:

(a) Subpart J—Tungstic Acid Rinse.

PSNS

| Pollutant or pollutant property | Maximum for any 1 day | Maximum for monthly average |
|---------------------------------|--|-----------------------------|
| | mg/kg (pounds per million pounds) of tungstic acid (as W) produced | |
| Lead | 11.490 | 5.333 |
| Zinc | 41.850 | 17.230 |
| Ammonia (as N) | 5,469.000 | 2,404.000 |

(b) Subpart J—Acid Leach Wet Air Pollution Control.

PSNS

| Pollutant or pollutant property | Maximum for any one day | Maximum for monthly average |
|---------------------------------|---|-----------------------------|
| | mg/kg (pounds per million) of tungstic acid (as W) produced | |
| Lead | 1.003 | 0.466 |
| Zinc | 3.653 | 1.504 |
| Ammonia (as N) | 477.400 | 209.900 |

(c) Subpart J—Alkali Leach Wash.

PSNS

| Pollutant or pollutant property | Maximum for any one day | Maximum for monthly average |
|---------------------------------|--|-----------------------------|
| | mg/kg (pounds per million) of sodium tungstate (as W) produced | |
| Lead | 0.000 | 0.000 |
| Zinc | 0.000 | 0.000 |
| Ammonia (as N) | 0.000 | 0.000 |

(d) Subpart J—Alkali Leach Wash Condensate.

PSNS

| Pollutant or pollutant property | Maximum for any one day | Maximum for monthly average |
|---------------------------------|--|-----------------------------|
| | mg/kg (pounds per million) of sodium tungstate (as W) produced | |
| Lead | 5.372 | 2.494 |
| Zinc | 19.570 | 8.057 |
| Ammonia (as N) | 2,557.000 | 1,124.000 |

(e) Subpart J—Ion Exchange Rafinate (Commingled With Other Process or Nonprocess Waters).

PSNS

| Pollutant or pollutant property | Maximum for any one day | Maximum for monthly average |
|---------------------------------|--|-----------------------------|
| | mg/kg (pounds per million) of ammonium tungstate (as W) produced | |
| Lead | 24.780 | 11.500 |
| Zinc | 90.240 | 37.160 |
| Ammonia (as N) | 11,790.000 | 5,185.000 |

(f) Subpart J—Ion Exchange Rafinate (Not Commingled With Other Process or Nonprocess Waters).