

**Environmental Protection Agency**

**§ 421.206**

**§ 421.197 [Reserved]**

**Subpart R—Secondary Mercury Subcategory**

SOURCE: 50 FR 38354, Sept. 20, 1985, unless otherwise noted.

**§ 421.200 Applicability: Description of the secondary mercury subcategory.**

The provision of this subpart are applicable to discharges resulting from the production of mercury from secondary mercury facilities processing recycled mercuric oxide batteries and other mercury containing scrap raw materials.

**§ 421.201 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.

**§§ 421.202–421.203 [Reserved]**

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

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

- (a) Spent battery electrolyte.

**NSPS FOR THE SECONDARY MERCURY SUBCATEGORY**

| Pollutant or pollutant property | Maximum for any 1 day                                                | Maximum for monthly average |
|---------------------------------|----------------------------------------------------------------------|-----------------------------|
|                                 | mg/kg (pounds per million pounds) of mercury produced from batteries |                             |
| Lead .....                      | 0.030                                                                | 0.014                       |
| Mercury .....                   | 0.016                                                                | 0.006                       |
| Total suspended solids .....    | 1.590                                                                | 1.272                       |
| pH .....                        | ( <sup>1</sup> )                                                     | ( <sup>1</sup> )            |

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

- (b) Acid wash and rinse water.

**NSPS FOR THE SECONDARY MERCURY SUBCATEGORY**

| Pollutant or pollutant property | Maximum for any 1 day                                          | Maximum for monthly average |
|---------------------------------|----------------------------------------------------------------|-----------------------------|
|                                 | mg/kg (pounds per million pounds) of mercury washed and rinsed |                             |
| Lead .....                      | 0.00056                                                        | 0.00026                     |

**NSPS FOR THE SECONDARY MERCURY SUBCATEGORY—Continued**

| Pollutant or pollutant property | Maximum for any 1 day | Maximum for monthly average |
|---------------------------------|-----------------------|-----------------------------|
| Mercury .....                   | 0.00030               | 0.00012                     |
| Total suspended solids .....    | 0.03000               | 0.02400                     |
| pH .....                        | ( <sup>1</sup> )      | ( <sup>1</sup> )            |

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

- (c) Furnace wet air pollution control.

**NSPS FOR THE SECONDARY MERCURY SUBCATEGORY**

| Pollutant or pollutant property | Maximum for any 1 day                                                  | Maximum for monthly average |
|---------------------------------|------------------------------------------------------------------------|-----------------------------|
|                                 | mg/kg (pounds per million pounds) of mercury processed through furnace |                             |
| Lead .....                      | 0.000                                                                  | 0.000                       |
| Mercury .....                   | 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.

**§ 421.205 [Reserved]**

**§ 421.206 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 mercury process wastewater introduced into a POTW shall not exceed the following values:

- (a) Spent battery electrolyte.

**PSNS FOR THE SECONDARY MERCURY SUBCATEGORY**

| Pollutant or pollutant property | Maximum for any 1 day                                                | Maximum for monthly average |
|---------------------------------|----------------------------------------------------------------------|-----------------------------|
|                                 | mg/kg (pounds per million pounds) of mercury produced from batteries |                             |
| Lead .....                      | 0.030                                                                | 0.014                       |
| Mercury .....                   | 0.016                                                                | 0.006                       |

- (b) Acid wash and rinse water.

§ 421.207

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PSNS FOR THE SECONDARY MERCURY SUBCATEGORY

| Pollutant or pollutant property | Maximum for any 1 day                                          | Maximum for monthly average |
|---------------------------------|----------------------------------------------------------------|-----------------------------|
|                                 | mg/kg (pounds per million pounds) of mercury washed and rinsed |                             |
| Lead .....                      | 0.00056                                                        | 0.00026                     |
| Mercury .....                   | 0.00030                                                        | 0.00012                     |

(c) Furnance wet air pollution control.

PSNS FOR THE SECONDARY MERCURY SUBCATEGORY

| Pollutant or pollutant property | Maximum for any 1 day                                                  | Maximum for monthly average |
|---------------------------------|------------------------------------------------------------------------|-----------------------------|
|                                 | mg/kg (pounds per million pounds) of mercury processed through furnace |                             |
| Lead .....                      | 0.000                                                                  | 0.000                       |
| Mercury .....                   | 0.000                                                                  | 0.000                       |

§ 421.207 [Reserved]

Subpart S—Primary Molybdenum and Rhenium Subcategory

SOURCE: 50 FR 38355, Sept. 20, 1985, unless otherwise noted.

§ 421.210 **Applicability: Description of the primary molybdenum and rhenium subcategory.**

The provisions of this subpart are applicable to discharges resulting from the production of molybdenum and rhenium facilities.

§ 421.211 **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.

§ 421.212 **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 limitation representing the degree of effluent reduction attainable by the application

of the best practicable technology currently available:

(a) Molybdenum sulfide leachate.

BPT LIMITATIONS FOR THE PRIMARY MOLYBDENUM RHENIUM SUBCATEGORY

| Pollutant or pollutant property | Maximum for any 1 day                                           | Maximum monthly average |
|---------------------------------|-----------------------------------------------------------------|-------------------------|
|                                 | mg/kg (pounds per million pounds) of molybdenum sulfide leached |                         |
| Arsenic .....                   | 0.968                                                           | 0.431                   |
| Lead .....                      | 0.195                                                           | 0.093                   |
| Nickle .....                    | 0.889                                                           | 0.588                   |
| Selenium .....                  | 0.570                                                           | 0.255                   |
| Molybdenum .....                | [Reserved]                                                      | [Reserved]              |
| Ammonia (as N) .....            | 61.720                                                          | 27.130                  |
| Fluoride .....                  | 16.210                                                          | 9.214                   |
| Total suspended solids .....    | 18.980                                                          | 9.029                   |
| pH .....                        | ( <sup>1</sup> )                                                | ( <sup>1</sup> )        |

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

(b) Roaster SO<sub>2</sub> scrubber.

BPT LIMITATIONS FOR THE PRIMARY MOLYBDENUM AND RHENIUM SUBCATEGORY

| Pollutant of pollutant property | Maximum for any 1 day                                           | Maximum for monthly average |
|---------------------------------|-----------------------------------------------------------------|-----------------------------|
|                                 | mg/kg (pounds per million pounds) of molybdenum sulfide roasted |                             |
| Arsenic .....                   | 3.509                                                           | 1.561                       |
| Lead .....                      | 0.705                                                           | 0.336                       |
| Nickel .....                    | 3.224                                                           | 2.133                       |
| Selenium .....                  | 2.065                                                           | 0.924                       |
| Molybdenum .....                | [Reserved]                                                      | [Reserved]                  |
| Ammonia (as N) .....            | 223.800                                                         | 98.390                      |
| Fluoride .....                  | 58.770                                                          | 33.410                      |
| Total suspended solids .....    | 68.840                                                          | 32.740                      |
| pH .....                        | ( <sup>1</sup> )                                                | ( <sup>1</sup> )            |

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

(c) Molybdic oxide leachate.

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 contained in molybdic oxide leached |                             |
| Arsenic .....                   | 24.210                                                                              | 10.770                      |
| Lead .....                      | 4.865                                                                               | 2.317                       |
| Nickel .....                    | 22.240                                                                              | 14.710                      |
| Selenium .....                  | 14.250                                                                              | 6.371                       |
| Molybdenum .....                | [Reserved]                                                                          | [Reserved]                  |
| Ammonia (as N) .....            | 1,544.000                                                                           | 678.800                     |
| Flouride .....                  | 405.400                                                                             | 230.500                     |
| Total suspended solids .....    | 474.900                                                                             | 225.900                     |
| pH .....                        | ( <sup>1</sup> )                                                                    | ( <sup>1</sup> )            |

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