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SUBPART D—PSNS

| Pollutant or pollutant property | Maximum for any 1 day | Maximum for monthly average |
|---|---|---|
| | g (lbs)/1,000,000 cans manufactured | |
| Cr | 27.98 (0.0617) | 11.45 (0.025) |
| Cu | 120.84 (0.267) | 63.60 (0.140) |
| Zn | 92.86 (0.205) | 38.80 (0.086) |
| F | 3784.20 (8.345) | 1679.04 (3.702) |
| P | 1062.12 (2.342) | 434.39 (0.958) |
| Mn | 43.25 (0.095) | 18.44 (0.041) |
| TTO | 20.35 (0.045) | 9.54 (0.0210) |
| O&G (for alternate monitoring) | 1272.00 (2.804) | 763.20 (1.683) |

[48 FR 52399, Nov. 17, 1983; 49 FR 14105, Apr. 10, 1984]

### § 465.46 Effluent limitations representing the degree of effluent reduction attainable by the application of the best conventional pollutant control technology. [Reserved]

# PART 466—PORCELAIN ENAMELING POINT SOURCE CATEGORY

GENERAL PROVISIONS

Sec.
466.01 Applicability.
466.02 General definitions.
466.03 Monitoring and reporting requirements.
466.04 Compliance date for PSES.

Subpart A—Steel Basis Material Subcategory

466.10 Applicability; description of the steel basis material.
466.11 Effluent limitations representing the degree of effluent reduction attainable by the application of the best practicable control technology currently available.
466.12 Effluent limitations representing the degree of effluent reduction attainable by the application of the best available technology economically achievable.
466.13 New source performance standards.
466.14 Pretreatment standards for existing sources.
466.15 Pretreatment standards for new sources.

Subpart B—Cast Iron Basis Material Subcategory

466.20 Applicability; description of the cast iron basis material subcategory.
466.21 Effluent limitations representing the degree of effluent reduction attainable by the application of the best practicable control technology currently available.
466.22 Effluent limitations representing the degree of effluent reduction attainable by the application of the best available technology economically achievable.
466.23 New source performance standards.
466.24 Pretreatment standards for existing sources.
466.25 Pretreatment standards for new sources.

Subpart C—Aluminum Basis Material Subcategory

466.30 Applicability; description of the aluminum basis material subcategory.
466.31 Effluent limitations representing the degree of effluent reduction attainable by the application of the best practicable control technology currently available.
466.32 Effluent limitations representing the degree of effluent reduction attainable by the application of the best available technology economically achievable.
466.33 New source performance standards.
466.34 Pretreatment standards for existing sources.
466.35 Pretreatment standards for new sources.

Subpart D—Copper Basis Material Subcategory

466.40 Applicability; description of the copper basis material subcategory.
466.41–466.42 [Reserved]
466.43 New source performance standards.
466.44 [Reserved]
466.45 Pretreatment standards for new sources.

AUTHORITY: Secs. 301, 304 (b), (c), (e), and (g), 306 (b) and (c), 307 and 501 of the Clean Water Act (the Federal Water Pollution Control Act Amendments of 1972, as amended by the Clean Water Act of 1977) (the ''Act''); 33 U.S.C. 1311, 1314 (b), (c), (e) and (g), 1316 (b) and (c), 1317 (b) and (c), and 1361; 86 Stat. 816, Pub. L. 92–500; 91 Stat. 1567, Pub. L. 95–217.

SOURCE: 47 FR 53184, Nov. 24, 1982, unless otherwise noted.

GENERAL PROVISIONS

### § 466.01 Applicability.

(a) Except as provided in paragraphs (b) and (c) of this section, the provisions of this part apply to any porcelain enameling facility which discharges pollutants to waters of the United States or introduces pollutants into a publicly owned treatment works.

(b) Any existing porcelain enameling facility which prepares or coats less than 1600 $m^2$/day and which introduces less than 60,000 1/day of wastewater

into a publicly owned treatment works is not controlled by the pretreatment standards for existing sources established by this regulation. Such facilities must comply with the provisions of 40 CFR part 403.

(c) This part does not apply to the porcelain enameling on precious metal basis material.

(d) When wastewaters from coating cast iron are cotreated with wastewaters from coating steel, the limitations for coating steel contained in § 466.11 may be applied to the entire wastestream.

[47 FR 53184, Nov. 24, 1982, as amended at 50 FR 36543, Sept. 6, 1985]

### § 466.02 General definitions.

In addition to the definitions set forth in 40 CFR part 401, the following definitions apply to this part:

(a) ''Porcelain enameling'' means the entire process of applying a fused vitreous enamel coating to a metal basis material. Usually this includes metal preparation and coating operations.

(b) ''Basis material'' means the metal part or base onto which procelain enamel is applied.

(c) ''Area processed'' means the total basis material area exposed to processing solutions.

(d) ''Area coated'' means the area of basis material covered by each coating of enamel.

(e) ''Coating operations'' means all of the operations associated with preparation and application of the vitreous coating. Usually this includes ballmilling, slip transport, application of slip to the workpieces, cleaning and recovery of faulty parts, and firing (fusing) of the enamel coat.

(f) ''Metal preparation'' means any and all of the metal processing steps preparatory to applying the enamel slip. Usually this includes cleaning, pickling and applying a nickel flash or chemical coating.

(g) The term ''control authority'' is defined as the POTW if it has an approved pretreatment program; in the absence of such a program, the NPDES state if it has an approved pretreatment program or EPA if the State does not have an approved program.

(h) The term ''precious metal'' means gold, silver, or platinum group metals and the principal alloys of those metals.

### § 466.03 Monitoring and reporting requirements.

(a) Periodic analyses for chromium as may be required under part 122 or 403 of this chapter is not required when both of the following conditions are met.

(1) The first wastewater sample of each calendar year has been analyzed and found to contain less than 0.08 mg/l chromium.

(2) The owner or operator of the porcelain enameling facility certifies in writing to the control authority or permit issuing authority that chromium is not contained in the raw materials or process chemicals of that facility and will not be used in the facility.

(b) The ''monthly average'' regulatory values shall be the basis for the monthly average discharge in direct discharge permits and for pretreatment standards. Compliance with the monthly discharge limit is required regardless of the number of samples analyzed and averaged.

(Approved by the Office of Management and Budget under control number 2040–0033)

[47 FR 53184, Nov. 24, 1982, as amended at 48 FR 31405, July 8, 1983]

### § 466.04 Compliance date for PSES.

The compliance date for pretreatment standards for existing sources is November 25, 1985.

[47 FR 53184, Nov. 24, 1982, as amended at 48 FR 41410, Sept. 15, 1983]

## Subpart A—Steel Basis Material Subcategory

### § 466.10 Applicability; description of the steel basis material.

This subpart applies to discharges to waters of the United States, and introduction of pollutants into publicly owned treatment works from porcelain enameling on steel basis materials.

### § 466.11 Effluent limitations 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 must achieve the following effluent limitations for metal preparation operations and for coating operations representing the degree of effluent reduction attainable by the application of the best practicable control technology currently available (BPT):

SUBPART A—BPT EFFLUENT LIMITATIONS

| Pollutant or pollutant property | Maximum for any 1 day | | Maximum for monthly average | |
|---|---|---|---|---|
| | Metal preparation | Coating operation | Metal preparation | Coating operation |
| | Metric units—mg/m² of area processed or coated | | | |
| Chromium | 16.82 | 3.41 | 6.81 | 1.38 |
| Lead | 6.01 | 1.21 | 5.21 | 1.06 |
| Nickel | 56.46 | 11.43 | 40.05 | 8.11 |
| Zinc | 53.26 | 10.78 | 22.43 | 4.54 |
| Aluminum | 182.20 | 36.87 | 74.47 | 15.07 |
| Iron | 112.12 | 22.69 | 56.06 | 11.34 |
| Oil and grease | 800.84 | 162.10 | 480.51 | 97.23 |
| TSS | 1642.00 | 332.20 | 800.90 | 162.00 |
| pH | (1) | (1) | (1) | (1) |
| | English Units—pounds per 1 million ft² of area processed or coated | | | |
| Chromium | 3.45 | 0.07 | 1.40 | 0.29 |
| Lead | 1.23 | 0.25 | 1.07 | 0.22 |
| Nickel | 11.57 | 2.34 | 8.20 | 1.66 |
| Zinc | 10.91 | 2.21 | 4.60 | 0.93 |
| Aluminum | 37.32 | 7.55 | 15.26 | 3.09 |
| Iron | 22.96 | 4.65 | 11.48 | 2.32 |
| Oil and grease | 164.03 | 33.19 | 98.42 | 19.92 |
| TSS | 337.00 | 68.10 | 164.00 | 33.20 |
| pH | (1) | (1) | (1) | (1) |

[1] Within the range 7.5 to 10.0 at all times.

[47 FR 53184, Nov. 24, 1982, as amended at 50 FR 36543, Sept. 6, 1985]

### § 466.12 Effluent limitations 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 must achieve the following effluent limitations representing the degree of effluent reduction attainable by the application of the best available technology economically achievable:

SUBPART A—BAT EFFLUENT LIMITATIONS

| Pollutant or pollutant property | Maximum for any 1 day | | Maximum for monthly average | |
|---|---|---|---|---|
| | Metal preparation | Coating operation | Metal preparation | Coating operation |
| | Metric units—mg/m² of area processed or coated | | | |
| Chromium | 16.82 | 0.53 | 6.81 | 0.22 |
| Lead | 6.01 | 0.19 | 5.21 | 0.16 |
| Nickel | 56.50 | 1.78 | 40.05 | 1.26 |
| Zinc | 53.30 | 1.68 | 22.43 | 0.71 |
| Aluminum | 182.00 | 5.74 | 74.48 | 2.35 |
| Iron | 112.12 | 3.53 | 56.06 | 1.77 |
| | English Units—pounds per 1 million ft² of area processed or coated | | | |
| Chromium | 3.45 | 0.11 | 1.4 | 0.05 |
| Lead | 1.23 | 0.04 | 1.07 | 0.03 |
| Nickel | 11.57 | 0.37 | 8.20 | 0.26 |
| Zinc | 10.91 | 0.35 | 4.60 | 0.15 |
| Aluminum | 37.32 | 1.18 | 15.26 | 0.48 |
| Iron | 22.96 | 0.72 | 11.48 | 0.36 |

[47 FR 53184, Nov. 24, 1982, as amended at 50 FR 36543, Sept. 6, 1985]

### § 466.13 New source performance standards.

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

SUBPART A—NSPS

| Pollutant or pollutant property | Maximum for any 1 day | | Maximum for monthly average | |
|---|---|---|---|---|
| | Metal preparation | Coating operation | Metal preparation | Coating operation |
| | Metric units—mg/m² of area processed or coated | | | |
| Chromium | 3.37 | 0.47 | 1.5 | 0.19 |
| Lead | 1.0 | 0.13 | 0.9 | 0.11 |
| Nickel | 12.0 | 1.51 | 6.3 | 0.79 |
| Zinc | 10.2 | 1.29 | 4.2 | 0.53 |
| Aluminum | 30.3 | 3.82 | 12.4 | 1.56 |
| Iron | 28.0 | 3.53 | 14.0 | 1.77 |
| Oil and grease | 100.0 | 12.60 | 100.0 | 12.60 |
| TSS | 150.0 | 18.91 | 120.0 | 15.12 |
| pH | (1) | (1) | (1) | (1) |
| | English units—pounds per 1 million ft² of area processed or coated | | | |
| Chromium | 0.76 | 0.10 | 0.31 | 0.04 |
| Lead | 0.21 | 0.03 | 0.19 | 0.03 |
| Nickel | 2.46 | 0.31 | 1.29 | 0.16 |
| Zinc | 2.09 | 0.27 | 0.86 | 0.11 |
| Aluminum | 6.21 | 0.78 | 2.54 | 0.32 |
| Iron | 5.74 | 0.72 | 2.87 | 0.36 |
| Oil and grease | 20.48 | 2.58 | 20.48 | 2.58 |
| TSS | 30.72 | 3.87 | 24.58 | 3.10 |
| pH | (1) | (1) | (1) | (1) |

[1] Within the range 7.5 to 10.0 at all times.

[47 FR 53184, Nov. 24, 1982, as amended at 50 FR 36543, Sept. 6, 1985]

### § 466.14 Pretreatment standards for existing sources.

(a) 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.

SUBPART A—PSES

| Pollutant or pollutant property | Maximum for any 1 day | Maximum for monthly average |
|---|---|---|
| | Milligrams per liter (mg/l) | |
| Chromium | 0.42 | 0.17 |
| Lead | 0.15 | 0.13 |
| Nickel | 1.41 | 1.00 |
| Zinc | 1.33 | 0.56 |

(b) In cases where POTW find it necessary to impose mass effluent pretreatment standards the following equivalent mass standards are provided:

SUBPART A—PSES

| Pollutant or pollutant property | Maximum for any 1 day | | Maximum for monthly average | |
|---|---|---|---|---|
| | Metal preparation | Coating operation | Metal preparation | Coating operation |
| | Metric units—mg/m$^2$ of area processed or coated | | | |
| Chromium | 16.82 | 0.53 | 6.81 | 0.22 |
| Lead | 6.01 | 0.19 | 5.21 | 0.16 |
| Nickel | 56.5 | 1.78 | 40.1 | 1.26 |
| Zinc | 53.3 | 1.68 | 22.5 | 0.71 |
| | English units—lbs/1 million ft$^2$ of area processed or coated | | | |
| Chromium | 3.45 | 0.11 | 1.4 | 0.05 |
| Lead | 1.23 | 0.04 | 1.07 | 0.03 |
| Nickel | 11.6 | 0.37 | 8.20 | 0.26 |
| Zinc | 10.9 | 0.35 | 4.6 | 0.15 |

[47 FR 53184, Nov. 24, 1982, as amended at 50 FR 36543, Sept. 6, 1985]

### § 466.15 Pretreatment standards for new sources.

Except as provided in 40 CFR 403.7 and 403.13, 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:

SUBPART A—PSNS

| Pollutant or pollutant property | Maximum for any 1 day | | Maximum for monthly average | |
|---|---|---|---|---|
| | Metal preparation | Coating operation | Metal prepartion | Coating operation |
| | Metric units—mg/m$^2$ of area processed or coated | | | |
| Chromium | 3.7 | 0.47 | 1.5 | 0.19 |
| Lead | 1.0 | 0.13 | 0.9 | 0.11 |
| Nickel | 12.0 | 1.51 | 6.3 | 0.79 |
| Zinc | 10.2 | 1.29 | 4.2 | 0.53 |
| | English units—pounds per 1 million ft$^2$ of area processed or coated | | | |
| Chromium | 0.76 | 0.10 | 0.31 | 0.04 |
| Lead | 0.2 | 0.03 | 0.19 | 0.002 |
| Nickel | 2.46 | 0.31 | 1.29 | 0.16 |
| Zinc | 2.09 | 0.27 | 0.86 | 0.11 |

[47 FR 53184, Nov. 24, 1982, as amended at 50 FR 36543, Sept. 6, 1985]

## Subpart B—Cast Iron Basis Material Subcategory

### § 466.20 Applicability; description of the cast iron basis material subcategory.

This subpart applies to discharges to waters of the United States and introductions of pollutants into publicly owned treatment works from porcelain enameling of cast iron basis materials.

### § 466.21 Effluent limitations 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 must achieve the following effluent limitations representing the degree of effluent reduction attainable by the application of the best practicable control technology currently available.

(a) There shall be no discharge of process wastewater pollutants from metal preparation operations.

(b) The discharge of process wasterwater pollutants from all porcelain enameling coating operations

shall not exceed the values set forth below:

SUBPART B—BPT EFFLUENT LIMITATIONS

| Pollutant or pollutant Property | Maximum for any 1 day | | Maximum for monthly average | |
|---|---|---|---|---|
| | Mg/m² (pounds per/1million ft²) of Area Coated | | | |
| Chromium | 0.29 | (0.06) | 0.12 | (0.024) |
| Lead | 0.11 | (0.02) | 0.09 | (0.02) |
| Nickle | 0.98 | (0.02) | 0.7 | (0.15) |
| Zinc | 0.93 | (0.19) | 0.39 | (0.08) |
| Aluminum | 3.16 | (0.65) | 1.29 | (0.27) |
| Iron | 0.86 | (0.18) | 0.44 | (0.09) |
| Oil and grease | 13.86 | (2.84) | 8.32 | (1.71) |
| TSS | 28.42 | (5.82) | 13.86 | (2.84) |
| pH | (1) | (1) | (1) | (1) |

[1] Within the range 7.5 to 10.0 at all times.

### § 466.22 Effluent limitation 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 must achieve the following effluent limitations representing the degree of effluent reduction attainable by the application of the best available technology economically achievable.

(a) There shall be no discharge of process wastewater pollutants from metal preparation operations.

(b) The discharge of process wastewater pollutants from all porcelain enameling coating operations shall not exceed the values set forth below:

SUBPART B—BAT EFFLUENT LIMITATIONS

| Pollutant or pollutant property | Maximum for any 1 day | | Maximum for monthly average | |
|---|---|---|---|---|
| | Mg/m² (pounds per/million ft²) of area coated | | | |
| Chromium | 0.53 | (0.11) | 0.22 | (0.05) |
| Lead | 0.19 | (0.04) | 0.16 | (0.03) |
| Nickel | 1.78 | (0.37) | 1.26 | (0.26) |
| Zinc | 1.68 | (0.35) | 0.71 | (0.15) |
| Aluminum | 5.74 | (1.18) | 2.35 | (0.48) |
| Iron | 1.55 | (0.32) | 0.79 | (0.16) |

[47 FR 53184, Nov. 24, 1982, as amended at 50 FR 36543, Sept. 6, 1985]

### § 466.23 New source performance standards.

Any new source subject to this subpart must achieve the following new source performance standards.

(a) There shall be no discharge of process wastewater pollutants from metal preparation operations.

(b) The discharge of process wastewater pollutants from all porcelain enameling coating operations shall not exceed the values set forth below:

SUBPART B—NSPS

| Pollutant or pollutant property | Maximum for any 1 day | | Maximum for monthly average | |
|---|---|---|---|---|
| | Mg/m² (pounds per million ft²) of area coated | | | |
| Chromium | 0.47 | (0.10) | 0.19 | (0.04) |
| Lead | 0.13 | (0.03) | 0.11 | (0.02) |
| Nickel | 0.69 | (0.14) | 0.47 | (0.10) |
| Zinc | 1.29 | (0.27) | 0.53 | (0.11) |
| Aluminum | 3.82 | (0.78) | 1.56 | (0.32) |
| Iron | 1.55 | (0.32) | 0.79 | (0.16) |
| Oil and grease | 12.60 | (2.58) | 12.60 | (2.58) |
| TSS | 18.91 | (3.87) | 15.12 | (3.10) |
| pH | (1) | (1) | (1) | (1) |

[1] Within the range 7.5 to 10.0 at all times.

[47 FR 53184, Nov. 24, 1982, as amended at 50 FR 36544, Sept. 6, 1985]

### § 466.24 Pretreatment standards for existing sources.

(a) 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.

(1) There shall be no discharge of process wastewater pollutants from metal preparation operations.

(2) The discharge of process wastewater pollutants from all porcelain enameling coating operations shall not exceed the values set forth below:

SUBPART B—PSES

| Pollutant or pollutant property | Maximum for any 1 day | Maximum for monthly average |
|---|---|---|
| | Milligrams per liter (mg/l) | |
| Chromium | 0.42 | 0.17 |
| Lead | 0.15 | 0.13 |
| Nickel | 1.41 | 1.00 |
| Zinc | 1.33 | 0.56 |

(b) In cases when POTW find it necessary to impose mass pretreatment standards the following equivalent mass standards are provided.

(1) There shall be no discharge of process wastewater pollutants from metal preparation operations.

(2) The discharge of process watewater pollutants from all porcelain enameling costing operations shall not exceed the values set forth below:

SUBPART B—PSES

| Pollutant or pollutant property | Maximum for any 1 day | | Maximum for monthly average | |
|---|---|---|---|---|
| | Metric units—mg/m$^2$ (English Units—pounds per million ft$^2$) of area coated | | | |
| Chromium | 0.53 | (0.11) | 0.22 | (0.05) |
| Lead | 0.19 | (0.04) | 0.16 | (0.03) |
| Nickel | 1.78 | (0.37) | 1.26 | (0.26) |
| Zinc | 1.68 | (0.35) | 0.71 | (0.15) |

[47 FR 53184, Nov. 24, 1982, as amended at 50 FR 36544, Sept. 6, 1985]

### § 466.25 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 publicy owned treatment works must comply with 40 CFR part 403 and achieve the following pretreatment standards for new sources.

(a) There shall be no discharge of process wastewater pollutants from metal preparation operations.

(b) The discharge of process wastewater pollutants from all porcelain enameling coating operations shall not exceed the values set forth below:

SUBPART B—PSNS

| Pollutant or pollutant property | Maximum for any 1 day | | Maximum for monthly average | |
|---|---|---|---|---|
| | Mg/m$^2$ (pounds per million ft$^2$) of area coated | | | |
| Chromium | 0.47 | (0.10) | 0.19 | (0.04) |
| Lead | 0.13 | (0.03) | 0.11 | (0.02) |
| Nickel | 0.69 | (0.14) | 0.47 | (0.10) |
| Zinc | 1.29 | (0.27) | 0.53 | (0.11) |

[47 FR 53184, Nov. 24, 1982, as amended at 50 FR 36544, Sept. 6, 1985]

## Subpart C—Aluminum Basis Material Subcategory

### § 466.30 Applicability; description of the aluminum basis material subcategory.

This subpart applies to discharges to waters of the United States and introductions of pollutants into publicly owned treatment works from porcelain enameling of aluminum basis materials.

### § 466.31 Effluent limitations 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 must achieve the following effluent limitations representing the degree of effluent reduction attainable by the application of the best practicable control technology currently available:

SUBPART C—BPT EFFLUENT LIMITATIONS

| Pollutant or pollutant property | Maximum for any 1 day | | Maximum for monthly average | |
|---|---|---|---|---|
| | Metal preparation | Coating operation | Metal preparation | Coating operation |
| | Metric units—mg/m² of area processed or coated | | | |
| Chromium | 16.34 | 6.32 | 6.63 | 2.56 |
| Lead | 5.84 | 2.26 | 5.06 | 1.96 |
| Nickel | 54.85 | 21.21 | 38.90 | 15.04 |
| Zinc | 51.73 | 20.01 | 21.79 | 8.43 |
| Aluminum | 176.98 | 68.44 | 72.35 | 27.98 |
| Iron | 47.85 | 18.50 | 24.51 | 9.48 |
| Oil and grease | 777.92 | 300.84 | 466.76 | 108.50 |
| TSS | 1,594.74 | 616.68 | 777.92 | 300.82 |
| pH | (1) | (1) | (1) | (1) |
| | English units—pounds per 1 million ft² of area processed or coated | | | |
| Chromium | 3.35 | 1.30 | 1.37 | 0.53 |
| Lead | 1.20 | 0.47 | 1.04 | 0.40 |
| Nickel | 11.24 | 4.35 | 7.97 | 3.08 |
| Zinc | 10.6 | 4.10 | 4.46 | 1.73 |
| Aluminum | 36.25 | 14.02 | 14.82 | 5.73 |
| Iron | 9.80 | 3.79 | 5.02 | 1.94 |
| Oil and grease | 159.33 | 61.61 | 95.60 | 36.97 |
| TSS | 326.62 | 126.33 | 159.33 | 61.61 |
| pH | (1) | (1) | (1) | (1) |

[1] Within the range 7.5 to 10.0 at all times.

### § 466.32 Effluent limitations 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 must achieve the following effluent limitations representing the degree of effluent reduction attainable by the application of the best available technology economically achievable.

SUBPART C—BAT EFFLUENT LIMITATIONS

| Pollutant or pollutant property | Maximum for any 1 day | | Maximum for monthly average | |
|---|---|---|---|---|
| | Metal preparation | Coating operation | Metal preparation | Coating operation |
| | Metric units—mg/m² of area processed or coated | | | |
| Chromium | 16.34 | 0.53 | 6.62 | 0.22 |
| Lead | 5.84 | 0.19 | 5.06 | 0.16 |
| Nickel | 54.85 | 1.78 | 38.90 | 1.26 |
| Zinc | 51.74 | 1.68 | 21.79 | 1.71 |
| Aluminum | 176.98 | 5.74 | 72.35 | 2.35 |
| Iron | 47.85 | 1.55 | 24.51 | 0.80 |
| | English units—pounds per 1 million ft² of area processed or coated | | | |
| Chromium | 3.35 | 0.11 | 1.36 | 0.05 |
| Lead | 1.20 | 0.04 | 1.04 | 0.03 |
| Nickel | 11.24 | 0.37 | 7.97 | 0.26 |
| Zinc | 10.60 | 0.35 | 4.46 | 0.35 |
| Aluminum | 36.25 | 1.18 | 14.82 | 0.48 |
| Iron | 9.80 | 0.32 | 5.02 | 0.16 |

[47 FR 53184, Nov. 24, 1982, as amended at 50 FR 36544, Sept. 6, 1985]

### § 466.33 New source performance standards.

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

SUBPART C—NSPS

| Pollutant or pollutant property | Maximum for any 1 day | | Maximum for monthly average | |
|---|---|---|---|---|
| | Metal preparation | Coating operation | Metal preparation | Coating operation |
| | Metric units—mg/m² of area processed or coated | | | |
| Chromium | 3.60 | 0.47 | 1.46 | 0.19 |
| Lead | 0.97 | 0.13 | 0.88 | 0.11 |
| Nickel | 5.35 | 0.69 | 3.60 | 0.47 |
| Zinc | 9.92 | 1.29 | 4.09 | 0.53 |
| Aluminum | 29.46 | 3.82 | 12.06 | 1.56 |
| Iron | 11.96 | 1.55 | 6.13 | 0.79 |
| Oil and grease | 97.24 | 12.60 | 97.24 | 12.60 |
| TSS | 145.86 | 18.91 | 116.69 | 15.12 |
| pH | (1) | (1) | (1) | (1) |
| | English units—pounds per 1 million ft² of area processed or coated | | | |
| Chromium | 0.74 | 0.10 | 0.30 | 0.04 |
| Lead | 0.20 | 0.03 | 0.18 | 0.20 |
| Nickel | 1.10 | 0.14 | 0.74 | 0.10 |
| Zinc | 2.03 | 0.27 | 0.84 | 0.11 |
| Aluminum | 6.03 | 0.78 | 2.47 | 0.32 |
| Iron | 2.45 | 0.32 | 1.26 | 0.16 |
| Oil and grease | 19.92 | 2.58 | 19.92 | 2.58 |
| TSS | 29.88 | 3.87 | 23.90 | 3.10 |
| pH | (1) | (1) | (1) | (1) |

[1] Within the range 7.5 to 10.0 at all times.

[47 FR 53184, Nov. 24, 1982, as amended at 50 FR 36544, Sept. 6, 1985]

### § 466.34 Pretreatment standards for existing sources.

(a) 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.

SUBPART C—PSES

| Pollutant or pollutant property | Maximum for any 1 day | Maximum for monthly average |
|---|---|---|
| | Milligrams per liter (mg/l) | |
| Chromium | 0.42 | 0.17 |
| Lead | 0.15 | 0.13 |
| Nickel | 1.41 | 1.00 |
| Zinc | 1.33 | 0.56 |

(b) In cases where POTW find it necessary to impose mass pretreatment standards the following equivalent mass standards are provided:

SUBPART C—PSES

| Pollutant or pollutant property | Maximum for any 1 day | | Maximum for monthly average | |
|---|---|---|---|---|
| | Metal preparation | Coating operation | Metal preparation | Coating operation |
| | Metric units—mg/m$^2$ of area processed or coated | | | |
| Chromium | 16.34 | 0.53 | 6.62 | 0.22 |
| Lead | 5.84 | 0.19 | 5.06 | 0.16 |
| Nickel | 54.85 | 1.78 | 38.9 | 1.26 |
| Zinc | 51.74 | 1.68 | 21.79 | 1.71 |
| | English units—pounds per 1 million ft$^2$ of area processed or coated | | | |
| Chromium | 3.35 | 0.11 | 1.36 | 0.05 |
| Lead | 1.20 | 0.04 | 1.04 | 0.03 |
| Nickel | 11.24 | 0.37 | 7.97 | 0.25 |
| Zinc | 10.6 | 0.35 | 4.46 | 0.35 |

[47 FR 53184, Nov. 24, 1982, as amended at 50 FR 36544, Sept. 6, 1985]

### § 466.35 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.

SUBPART C—PSNS

| Pollutant or pollutant property | Maximum for any 1 day | | Maximum for monthly average | |
|---|---|---|---|---|
| | Metal preparation | Coating operation | Metal preparation | Coating operation |
| | Metric units—mg/m$^2$ of area processed or coated | | | |
| Chromium | 3.60 | 0.47 | 1.46 | 0.19 |
| Lead | 0.97 | 0.13 | 0.88 | 0.11 |
| Nickel | 5.35 | 0.69 | 3.60 | 0.47 |
| Zinc | 9.92 | 1.29 | 4.09 | 0.53 |
| | English units—pounds per 1 million ft$^2$ of area processed or coated | | | |
| Chromium | 0.74 | 0.10 | 0.30 | 0.04 |
| Lead | 0.20 | 0.03 | 0.18 | 0.02 |
| Nickel | 1.10 | 0.14 | 0.74 | 0.10 |
| Zinc | 2.03 | 0.27 | 0.84 | 0.11 |

[47 FR 53184, Nov. 24, 1982, as amended at 50 FR 36545, Sept. 6, 1985]

## Subpart D—Copper Basis Material Subcategory

### § 466.40 Applicability; description of the copper basis material subcategory.

This subpart applies to discharges to waters of the United States and introductions of pollutants into publicly owned treatment works from porcelain enameling of copper basis materials.

### §§ 466.41–466.42 [Reserved]

### § 466.43 New source performance standards.

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

SUBPART D—NSPS

| Pollutant or pollutant property | Maximum for any 1 day | | Maximum for monthly average | |
|---|---|---|---|---|
| | Metal preparation | Coating operation | Metal preparation | Coating operation |
| | Metric units—mg/m² of area processed or coated | | | |
| Chromium | 6.23 | 0.46 | 2.52 | 0.19 |
| Lead | 1.69 | 0.13 | 1.52 | 0.11 |
| Nickel | 9.25 | 0.69 | 6.23 | 0.47 |
| Zinc | 17.16 | 1.29 | 7.07 | 0.53 |
| Aluminum | 50.97 | 3.82 | 20.86 | 1.56 |
| Iron | 20.69 | 1.55 | 10.60 | 0.79 |
| Oil and grease | 168.23 | 12.60 | 168.23 | 12.60 |
| TSS | 252.35 | 18.91 | 201.88 | 15.12 |
| pH | (1) | (1) | (1) | (1) |
| | English units—pounds per 1 million ft² of area processed or coated | | | |
| Chromium | 1.28 | 0.10 | 0.52 | 0.04 |
| Lead | 0.35 | 0.03 | 0.31 | 0.03 |
| Nickel | 1.90 | 0.14 | 1.28 | 0.10 |
| Zinc | 3.52 | 0.27 | 1.45 | 0.11 |
| Aluminum | 10.44 | 0.78 | 4.27 | 0.32 |
| Iron | 4.24 | 0.32 | 2.17 | 0.16 |
| Oil and grease | 34.46 | 2.58 | 34.46 | 2.58 |
| TSS | 51.69 | 3.87 | 41.35 | 3.10 |
| pH | (1) | (1) | (1) | (1) |

[1] Within the range 7.5 to 10.0 at all times.

[47 FR 53184, Nov. 24, 1982, as amended at 50 FR 36545, Sept. 6, 1985]

### § 466.44 [Reserved]

### § 466.45 Pretreatment standards for new sources.

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:

SUBPART D—PSNS

| Pollutant or pollutant property | Maximum for any 1 day | | Maximum for monthly average | |
|---|---|---|---|---|
| | Metal preparation | Coating operation | Metal preparation | Coating operation |
| | Metric units—mg/m² of area processed or coated | | | |
| Chromium | 6.23 | 0.46 | 2.52 | 0.19 |
| Lead | 1.69 | 0.13 | 1.52 | 0.11 |
| Nickel | 9.25 | 0.69 | 6.23 | 0.47 |
| Zinc | 17.16 | 1.29 | 7.07 | 0.53 |
| | English units—pounds per 1 million ft² of area processed or coated | | | |
| Chromium | 1.28 | 0.10 | 0.52 | 0.04 |
| Lead | 0.35 | 0.03 | 0.31 | 0.02 |
| Nickel | 1.90 | 0.14 | 1.28 | 0.10 |
| Zinc | 3.52 | 0.27 | 1.45 | 0.11 |

[47 FR 53184, Nov. 24, 1982, as amended at 50 FR 36545, Sept. 6, 1985]

# PART 467—ALUMINUM FORMING POINT SOURCE CATEGORY

GENERAL PROVISIONS

Sec.
467.01 Applicability.
467.02 General definitions.
467.03 Monitoring and reporting requirements.
467.04 Compliance date for PSES.
467.05 Removal allowances for pretreatment standards.

## Subpart A—Rolling With Neat Oils Subcategory

467.10 Applicability; description of the rolling with neat oils subcategory.
467.11 Specialized definitions.
467.12 Effluent limitations representing the degree of effluent reduction attainable by the application of the best practicable control technology currently available.
467.13 Effluent limitations representing the degree of effluent reduction attainable by the application of the best available technology economically achievable.
467.14 New source performance standards.
467.15 Pretreatment standards for existing sources.
467.16 Pretreatment standards for new sources.
467.17 Effluent limitations representing the degree of effluent reduction attainable by the application of the best conventional pollutant control technology. [Reserved]