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closed, sealed, semi-covered or semi-closed furnaces) that the furnace off-gases are not burned prior to collection and cleaning, and which off-gases are cleaned after collection in a wet air pollution control device such as a scrubber, 'wet' baghouse, etc. This subcategory also includes those non-electric furnace smelting operations, such as exothermic (i.e., aluminothermic or silicothermic) smelting, ferromanganese refining, etc., where these are controlled for air pollution by wet air pollution control devices. This subcategory does not include non-contact cooling water or those furnaces which utilize dry dust collection techniques, such as dry baghouses.

§ 424.21 Specialized definitions.

For the purpose of this subpart:

(a) Except as provided below, the general definitions, abbreviations and methods of analysis set forth in part 401 of this chapter shall apply to this subpart.

(b) The term *Mwh* shall mean megawatt hour(s) of electrical energy consumed in the smelting process (furnace power consumption).

§ 424.22 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 §§ 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 application of the best practicable control technology currently available (BPT):

| Effluent characteristic | Effluent limitations | |
|-------------------------|-----------------------|---|
| | Maximum for any 1 day | Average of daily values for 30 consecutive days shall not exceed— |
| | | |
| TSS | 0.419 | 0.209 |
| Chromium total | .008 | .004 |
| Chromium VI | .0008 | .0004 |
| Manganese total | .084 | .042 |
| Cyanide total | .004 | .002 |
| Phenols | .006 | .004 |
| pH | (¹) | (¹) |

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| Effluent characteristic | Effluent limitations | |
|-------------------------|-----------------------|---|
| | Maximum for any 1 day | Average of daily values for 30 consecutive days shall not exceed— |
| | | |
| TSS | .922 | .461 |
| Chromium total | .018 | .009 |
| Chromium VI | .0018 | .0009 |
| Manganese total | .184 | .092 |
| Cyanide total | .009 | .005 |
| Phenols | .013 | .009 |
| pH | (¹) | (¹) |

¹ Within the range 6.0 to 9.0.

Provided, however, That for nonelectric furnace smelting processes, the units of effluent limitations set forth in this section shall be read as "kg/kkg of product" rather than "kg/Mwh," and the limitations (except for pH) shall be 3.3 times those listed in the table in this section (or, for English units, "lb/ton of product" rather than "lb/Mwh," and the limitations (except for pH) shall be three times those listed in the table).

[39 FR 6809, Feb. 22, 1974, as amended at 39 FR 17841, May 21, 1974; 60 FR 33957, June 29, 1995]

§ 424.23 Effluent limitations guidelines representing the degree of effluent reduction attainable by the application of the best available technology economically achievable.

The following limitations establish the quantity or quality of pollutants or pollutant properties, controlled by this section, which may be discharged by a point source subject to the provisions of this subpart after application of the best available technology economically achievable:

| Effluent characteristic | Effluent limitations | |
|-------------------------|-----------------------|---|
| | Maximum for any 1 day | Average of daily values for 30 consecutive days shall not exceed— |
| | | |
| Chromium total | 0.001 | 0.0005 |
| Chromium VI | .0001 | .00005 |
| Manganese total | .011 | .005 |
| Cyanide total | .0005 | .0003 |
| Phenols | .0004 | .0002 |
| English units (lb/Mwh) | | |
| Chromium total | .002 | .0012 |
| Chromium VI | .0002 | .0001 |
| Manganese total | .023 | .012 |

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| Effluent characteristic | Effluent limitations | |
|-------------------------|-----------------------|---|
| | Maximum for any 1 day | Average of daily values for 30 consecutive days shall not exceed— |
| Cyanide total | .001 | .0006 |
| Phenols | .0009 | .0005 |

Provided, however, That for nonelectric furnace smelting processes, the units of effluent limitations set forth in this section shall be read as “kg/kg of product” rather than “kg/Mwh,” and the limitations (except for pH) shall be 3.3 times those listed in the table in this section (or, for English units, “lb/ton of product” rather than “lb/Mwh,” and the limitations (except for pH) shall be three times those listed in the table).

[44 FR 50744, Aug. 29, 1979]

§ 424.24 [Reserved]

§ 424.25 Standards of performance for new sources.

The following standards of performance establish the quantity or quality of pollutants or pollutant properties, controlled by this section, which may be discharged by a new source subject to the provisions of this subpart:

| Effluent characteristic | Effluent limitations | |
|-------------------------|-----------------------|---|
| | Maximum for any 1 day | Average of daily values for 30 consecutive days shall not exceed— |
| Metric units (kg/Mwh) | | |
| TSS | 0.032 | 0.016 |
| Chromium total | .001 | .0005 |
| Chromium VI | .0001 | .00005 |
| Manganese total | .011 | .005 |
| Cyanide total | .0005 | .0003 |
| Phenols | .0004 | .0002 |
| pH | (¹) | (¹) |
| English units (lb/Mwh) | | |
| TSS | .071 | .035 |
| Chromium total | .002 | .0012 |
| Chromium VI | .0002 | .0001 |
| Manganese total | .023 | .012 |
| Cyanide total | .001 | .0006 |
| Phenols | .0009 | .0005 |
| pH | (¹) | (¹) |

¹ Within the range 6.0 to 9.0.

Provided, however, That for nonelectric furnace smelting processes, the units of effluent limitations set forth in this section shall be read as “kg/kg of

product” rather than “kg/Mwh,” and the limitations (except for pH) shall be 3.3 times those listed in the table in this section (or, for English units, “lb/ton of product” rather than “lb/Mwh,” and the limitations (except for pH) shall be three times those listed in the table).

[39 FR 6809, Feb. 22, 1974, as amended at 39 FR 17841, May 21, 1974]

§ 424.26 Pretreatment standards for new sources.

Any new source subject to this subpart that introduces process wastewater pollutants into a publicly owned treatment works must comply with 40 CFR part 403.

[60 FR 33957, June 29, 1995]

§ 424.27 Effluent limitations guidelines representing the degree of effluent reduction attainable by the application of the best conventional pollutant control technology.

Except as provided in §§ 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 application of the best conventional pollutant control technology (BCT): The limitations shall be the same as those specified for conventional pollutants (which are defined in § 401.16) in § 424.22 of this subpart for the best practicable control technology currently available (BPT).

[51 FR 25000, July 9, 1986]

Subpart C—Slag Processing Subcategory

§ 424.30 Applicability; description of the slag processing subcategory.

The provisions of this subpart are applicable to discharges resulting from slag processing, wherein: (a) The residual metallic values in the furnace slag are recovered via concentration for return to the furnace, or (b) the slag is “shotted” for other further use.

§ 424.31 Specialized definitions.

For the purpose of this subpart: (a) Except as provided below, the general definitions, abbreviations and