

§ 420.36

SUBPART C

| Pollutant or pollutant property | Pretreatment standards for existing sources |   |
|---------------------------------|---|---|
|                                 | Maximum for any 1 day                       | Average of daily values for 30 consecutive days |
|                                 | Kg/kg (pounds per 1,000 lb) of product      |   |
| Ammonia-N .....                 | 0.0350                                      | 0.0175  |
| Cyanide .....                   | 0.00175                                     | 0.000876  |
| Phenols (4AAP) .....            | 0.000175                                    | 0.0000584                                       |
| Lead .....                      | 0.000263                                    | 0.0000876                                       |
| Zinc .....                      | 0.000394                                    | 0.000131  |

[47 FR 23284, May 27, 1982, as amended at 49 FR 21030, May 17, 1984]

§ 420.36 Pretreatment standards for new sources (PSNS).

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.

(a) *Iron blast furnace.*

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| Pollutant or pollutant property | Pretreatment standards for new sources |   |
|---------------------------------|--|---|
|                                 | Maximum for any 1 day                  | Average of daily values for 30 consecutive days |
|                                 | Kg/kg (pounds per 1,000 lb) of product |   |
| Ammonia-N .....                 | 0.00876                                | 0.00292   |
| Cyanide .....                   | 0.000584                               | 0.000292  |
| Phenols (4AAP) .....            | 0.0000584                              | 0.0000292                                       |
| Lead .....                      | 0.000263                               | 0.0000876                                       |
| Zinc .....                      | 0.000394                               | 0.000131  |

(b) *Ferromanganese blast furnace.* [Reserved]

[47 FR 23284, May 27, 1982, as amended at 49 FR 21030, May 17, 1984]

§ 420.37 [Reserved]

Subpart D—Steelmaking Subcategory

§ 420.40 Applicability; description of the steelmaking subcategory.

The provisions of this subpart are applicable to discharges and to the introduction of pollutants into publicly owned treatment works resulting from steelmaking operations conducted in basic oxygen, open hearth, and electric arc furnaces.

§ 420.41 Specialized definitions.

(a) The term *basic oxygen furnace steelmaking* means the production of steel from molten iron, steel scrap, fluxes, and various combinations thereof, in refractory lined furnaces by adding oxygen.

(b) The term *open hearth furnace steelmaking* means the production of steel from molten iron, steel scrap, fluxes, and various combinations thereof, in refractory lined fuel-fired furnaces equipped with regenerative chambers to recover heat from the flue and combustion gases.

(c) The term *electric arc furnace steelmaking* means the production of steel principally from steel scrap and fluxes in refractory lined furnaces by passing an electric current through the scrap or steel bath.

(d) The term *wet* means those steelmaking air cleaning systems that primarily use water for furnace gas cleaning.

(e) The term *semi-wet* means those steelmaking air cleaning systems that use water for the sole purpose of conditioning the temperature and humidity of furnace gases such that the gases may be cleaned in dry air pollution control systems.

(f) The term *open combustion* means those basic oxygen furnace steelmaking wet air cleaning systems which are designed to allow excess air to enter the air pollution control system for the purpose of combusting the carbon monoxide in furnace gases.

(g) The term *suppressed combustion* means those basic oxygen furnace

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steelmaking wet air cleaning systems which are designed to limit or suppress the combustion of carbon monoxide in furnace gases by restricting the amount of excess air entering the air pollution control system.

**§ 420.42 Effluent limitations representing the degree of effluent reduction attainable by the application of the best practicable control technology currently available (BPT).**

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) *Basic oxygen furnace steelmaking—semi-wet; and electric arc furnace steelmaking—semi-wet.* No discharge of process wastewater pollutants to navigable waters.

(b) *Basic oxygen furnace steelmaking—wet-suppressed combustion.*

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| Pollutant or pollutant property | BPT effluent limitations                |   |
|---------------------------------|---|---|
|                                 | Maximum for any 1 day                   | Average of daily values for 30 consecutive days |
|                                 | Kg/kkg (pounds per 1,000 lb) of Product |   |
| TSS .....                       | 0.0312                                  | 0.0104  |
| pH .....                        | ( <sup>1</sup> )                        | ( <sup>1</sup> )                                |

<sup>1</sup> Within the range of 6.0 to 9.0

(c) *Basic oxygen furnace steelmaking—wet open combustion; open hearth furnace steelmaking—wet; and electric arc furnace steelmaking—wet.*

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| Pollutant or pollutant property | BPT effluent limitations                |   |
|---------------------------------|---|---|
|                                 | Maximum for any 1 day                   | Average of daily values for 30 consecutive days |
|                                 | Kg/kkg (pounds per 1,000 lb) of product |   |
| TSS .....                       | 0.0687                                  | 0.0229  |
| pH .....                        | ( <sup>1</sup> )                        | ( <sup>1</sup> )                                |

<sup>1</sup> Within the range of 6.0 to 9.0.

**§ 420.43 Effluent limitations representing the degree of effluent reduction attainable by the application of the best available technology economically achievable (BAT).**

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) *Basic oxygen furnace steelmaking—semi-wet; and electric arc furnace steelmaking—semi-wet.* No discharge of process wastewater pollutants to navigable waters.

(b) *Basic oxygen furnace steelmaking—wet-suppressed combustion.*

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| Pollutant or pollutant property | BAT effluent limitations                |   |
|---------------------------------|---|---|
|                                 | Maximum for any 1 day                   | Average of daily values for 30 consecutive days |
|                                 | Kg/kkg (pounds per 1,000 lb) of product |   |
| Lead .....                      | 0.000188                                | 0.0000626                                       |
| Zinc .....                      | 0.000282                                | 0.0000939                                       |

(c) *Basic oxygen furnace steelmaking—wet open combustion; open hearth furnace steelmaking—wet; and electric arc furnace steelmaking—wet.*

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| Pollutant or pollutant property | BAT effluent limitations                |   |
|---------------------------------|---|---|
|                                 | Maximum for any 1 day                   | Average of daily values for 30 consecutive days |
|                                 | Kg/kkg (pounds per 1,000 lb) of product |   |
| Lead .....                      | 0.000413                                | 0.000138  |
| Zinc .....                      | 0.000620                                | 0.000207  |

**§ 420.44 New source performance standards (NSPS).**

The discharge of wastewater pollutants from any new source subject to this subpart shall not exceed the standards set forth below.