

Environmental Protection Agency

§ 420.32

§ 420.27 [Reserved]

§ 420.28 Pretreatment standards compliance dates.

Compliance with the pretreatment standards for 2,3,7,8-TCDF for existing sources set forth in §420.25(a) is required not later than October 17, 2005 whether or not the pretreatment authority issues or amends a pretreatment permit requiring such compliance.

[67 FR 64266, Oct. 17, 2002]

§ 420.29 Point of compliance monitoring.

(a) *Sintering Direct Dischargers.* Pursuant to 40 CFR 122.44(i) and 122.45(h), a direct discharger must demonstrate compliance with the effluent limitations and standards for 2,3,7,8-TCDF at the point after treatment of sinter plant wastewater separately or in combination with blast furnace wastewater, but prior to mixing with process wastewaters from processes other than sintering and ironmaking, non-process wastewaters or non-contact cooling water, if such water(s) are in an amount greater than 5 percent by volume of the sintering process wastewaters.

(b) *Sintering Indirect Dischargers.* An indirect discharger must demonstrate compliance with the pretreatment standards for 2,3,7,8-TCDF by monitoring at the point after treatment of sinter plant wastewater separately or in combination with blast furnace wastewater, but prior to mixing with process wastewaters from processes other than sintering and ironmaking, non-process wastewaters and non-contact cooling water in an amount greater than 5 percent by volume of the sintering process wastewaters.

[67 FR 64266, Oct. 17, 2002]

Subpart C—Ironmaking Subcategory

§ 420.30 Applicability; description of the ironmaking subcategory.

The provisions of this subpart are applicable to discharges and to the introduction of pollutants into publicly owned treatment works resulting from ironmaking operations in which iron

ore is reduced to molten iron in a blast furnace.

§ 420.31 Specialized definitions.

(a) For ironmaking blast furnaces, the term *product* means the amount of molten iron produced.

(b) The term *molten iron* means iron produced in a blast furnace as measured at the blast furnace, and may include relatively minor amounts of blast furnace slag that may be skimmed from the molten iron at the steelmaking shop or other location remote from the blast furnace.

(c) The term *iron blast furnace* means all blast furnaces except ferromanganese blast furnaces.

(d) The term *existing indirect dischargers* means only those two iron blast furnace operations with discharges to publicly owned treatment works prior to May 27, 1982.

[67 FR 64266, Oct. 17, 2002]

§ 420.32 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) *Iron blast furnace.*

SUBPART C

Pollutant or pollutant property	BPT effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days
	Kg/klg (pounds per 1,000 lb) of product	
TSS	0.0782	0.0260
Ammonia-N	0.161	0.0537
Cyanide	0.0234	0.00782
Phenols (4AAP)	0.00626	0.00210
pH	(¹)	(¹)

¹ Within the range of 6.0 to 9.0.

§ 420.33

(b) [Reserved]

[47 FR 23284, May 27, 1982; 47 FR 41739, Sept. 22, 1982, as amended at 67 FR 64266, Oct. 17, 2002]

§ 420.33 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) *Iron blast furnace.*

SUBPART C

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	
Ammonia-N	0.00876	0.00292
Cyanide	0.00175	0.000876
Phenols (4AAP)	0.0000584	0.0000292
TRC ¹	0.000146
Lead	0.000263	0.0000876
Zinc	0.000394	0.000131

¹The limitation for TRC shall be applicable only when chlorination of ironmaking wastewaters is practiced.

(b) [Reserved]

[47 FR 23284, May 27, 1982; 47 FR 41739, Sept. 22, 1982, as amended at 49 FR 21030, May 17, 1984; 67 FR 64266, Oct. 17, 2002]

§ 420.34 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.

(a) *Iron blast furnace.*

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SUBPART C

Pollutant or pollutant property	New source performance standards	
	Maximum for any 1 day	Average of daily values for 30 consecutive days
	Kg/kkg (pounds per 1,000 lb) of products	
TSS	0.0117	0.00438
O&G	0.00292
Ammonia-N	0.00876	0.00292
Cyanide	0.000584	0.000292
Phenols (4AAP)	0.0000584	0.0000292
TRC ¹	0.000146
Lead	0.000263	0.0000876
Zinc	0.000394	0.000131
pH	(²)	(²)

¹The standards for TRC shall be applicable only when chlorination of ironmaking wastewaters is practiced.

²Within the range of 6.0 to 9.0.

(b) [Reserved]

[47 FR 23284, May 27, 1982; 47 FR 41739, Sept. 22, 1982, as amended at 49 FR 21030, May 17, 1984; 67 FR 64266, Oct. 17, 2002]

§ 420.35 Pretreatment standards for existing sources (PSES).

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.

(a) *Iron blast furnace.*

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/kkg (pounds per 1,000 lb) of products	
Ammonia-N ¹	0.00876	0.00292
Cyanide	0.00175	0.000876
Phenols (4AAP)	0.0000584	0.0000292
Lead	0.000263	0.0000876
Zinc	0.000394	0.000131

¹The pretreatment standards for ammonia are not applicable to sources that discharge to a POTW with nitrification capability (defined at 420.02(s)).

(b) [Reserved]

(c) *Existing indirect dischargers.*