

§ 420.12

40 CFR Ch. I (7-1-06 Edition)

§ 420.12 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) *By-product cokemaking—iron and steel.*

SUBPART A

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	0.253	0.131
O&G	0.0327	0.0109
Ammonia-N	0.274	0.0912
Cyanide	0.0657	0.0219
Phenols (4AAP)	0.00451	0.00150
pH	(¹)	(¹)

¹ Within the range of 6.0 to 9.0.

(1) Increased loadings, not to exceed 11 percent of the above limitations, are allowed for by-product coke plants which have wet desulfurization systems but only to the extent such systems generate an increased effluent volume.

(2) Increased loadings, not to exceed 27 percent of the above limitations, are allowed for by-product coke plants which include indirect ammonia recovery systems but only to the extent that such systems generate an increased effluent volume.

(b) *By-product cokemaking—merchant.*

SUBPART A

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	0.270	0.140
O&G	0.0349	0.0116

SUBPART A—Continued

Pollutant or pollutant property	BPT effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days
Ammonia-N	0.292	0.0973
Cyanide	0.0701	0.0234
Phenols (4AAP)	0.00481	0.00160
pH	(¹)	(¹)

¹ Within the range of 6.0 to 9.0.

(1) Increased loadings, not to exceed 10 percent of the above limitations, are allowed for by-product coke plants which have wet desulfurization systems but only to the extent such systems generate an increased effluent volume.

(2) Increased loadings, not to exceed 25 percent of the above limitations, are allowed for by-product coke plants which include indirect ammonia recovery systems but only to the extent that such systems generate an increased effluent volume.

(c) *Cokemaking—non-recovery.* Except as provided in 40 CFR 125.30 through 125.32, any existing point source subject to this segment must achieve the following effluent limitations representing the degree of effluent reduction attainable by the application of the best practicable control technology currently available (BPT): There shall be no discharge of process wastewater pollutants to waters of the U.S.

[47 FR 23284, May 27, 1982, as amended at 67 FR 64262, Oct. 17, 2002]

§ 420.13 Effluent limitations guidelines 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 (BAT):

(a) *By-product cokemaking.*

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SUBPART A—EFFLUENT LIMITATIONS (BAT)

Regulated parameter	Maximum daily ¹	Maximum monthly avg. ¹
Ammonia-N	0.00293	0.00202
Benzo(a)pyrene	0.0000110	0.00000612
Cyanide	0.00297	0.00208
Naphthalene	0.0000111	0.00000616
Phenols (4AAP)	0.0000381	0.0000238

¹ Pounds per thousand lb of product.

(1) Increased loadings, not to exceed 13.3 per cent of the above limitations, shall be provided for process wastewaters from coke oven gas wet desulfurization systems, but only to the extent such systems generate process wastewaters.

(2) Increased loadings shall be provided for process wastewaters from other wet air pollution control systems (except those from coal charging and coke pushing emission controls), coal tar processing operations and coke plant groundwater remediation systems, but only to the extent such systems generate process wastewaters and those wastewaters are co-treated with process wastewaters from by-product cokemaking wastewaters.

(3) Increased loadings, not to exceed 44.2 percent of the above limitations, shall be provided for water used for the optimization of coke plant biological treatment systems.

(b) *Cokemaking—non-recovery*. There shall be no discharge of process wastewater pollutants to waters of the U.S.

[67 FR 64262, Oct. 17, 2002]

§ 420.14 New source performance standards (NSPS).

New sources subject to this subpart must achieve the following new source performance standards (NSPS), as applicable.

(a) *By-product cokemaking*. (1) Any new source subject to the provisions of this section that commenced discharging after November 18, 1992, and before November 18, 2002, must continue to achieve the standards specified in § 420.14 of title 40 of the Code of Federal Regulations, revised as of July 1, 2001, except as provided below. For toxic and nonconventional pollutants, those standards shall apply until the expiration of the applicable time period specified in 40 CFR 122.29(d)(1); thereafter, the source must achieve the

effluent limitations specified in § 420.13(a).

(2) The following standards apply with respect to each new source that commences construction after November 18, 2002:

SUBPART A—NEW SOURCE PERFORMANCE STANDARDS (NSPS)

Regulated parameter	Maximum daily ¹	Maximum monthly avg. ¹
Ammonia-N	0.00293	0.00202
Benzo(a)pyrene	0.0000110	0.00000612
Cyanide	0.00297	0.00208
Naphthalene	0.0000111	0.00000616
O&G (as HEM)	0.00676	0.0037
pH ²	(²)	(²)
Phenols (4AAP)	0.0000381	0.0000238
TSS	0.0343	0.0140

¹ Pounds per thousand lb of product.

² Within the range of 6.0 to 9.0.

(A) Increased loadings, not to exceed 13.3 per cent of the above limitations, shall be provided for process wastewaters from coke oven gas wet desulfurization systems, but only to the extent such systems generate process wastewaters.

(B) Increased loadings shall be provided for process wastewaters from other wet air pollution control systems (except those from coal charging and coke pushing emission controls), coal tar processing operations and coke plant groundwater remediation systems, but only to the extent such systems generate process wastewaters and those wastewaters are co-treated with process wastewaters from by-product cokemaking wastewaters.

(C) Increased loadings, not to exceed 44.2 percent of the above limitations, shall be provided for water used for the optimization of coke plant biological treatment systems.

(b) *Cokemaking—non-recovery*. There shall be no discharge of process wastewater pollutants to waters of the U.S.

[67 FR 64262, Oct. 17, 2002, as amended at 70 FR 73623, Dec. 13, 2005]

§ 420.15 Pretreatment standards for existing sources (PSES).

Except as provided in 40 CFR 403.7 and 403.13, any existing source subject to this subpart that introduces pollutants into a publicly owned treatment works must comply with 40 CFR part 403 and must achieve the following