

Environmental Protection Agency

§ 420.16

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]

§ 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 pretreatment standards for existing sources (PSES):

(a) *By-product cokemaking*.

SUBPART A—PRETREATMENT STANDARDS FOR EXISTING SOURCES (PSES)

Regulated parameter	Maximum daily ¹	Maximum monthly avg. ¹
Ammonia-N ²	0.0333	0.0200
Cyanide	0.00724	0.00506
Naphthalene	0.0000472	0.0000392

¹ Pounds per thousand lb of product.
² The pretreatment standards for ammonia are not applicable to sources that discharge to a POTW with nitrification capability (defined at § 420.02(s)).

(1) Increased loadings, not to exceed 13.3 per cent of the above limitations, shall be provided for process wastewaters from wet coke oven gas 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 POTWs.

[67 FR 64263, Oct. 17, 2002]

§ 420.16 Pretreatment standards for new sources (PSNS).

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

§ 420.17

40 CFR Ch. I (7-1-03 Edition)

achieve the following pretreatment standards for new sources (PSNS), as applicable.

(a) *By-product cokemaking.* (1) Any new source subject to the provisions of this section that commenced discharging after November 19, 2012 and before November 18, 2002 must continue to achieve the standards specified in § 420.16 of title 40 of the Code of Federal Regulations, revised as of July 1, 2001, (except for the standards for phenols 4AAP) for ten years beginning on the date the source commenced discharge or during the period of depreciation or amortization of the facility, whichever comes first, after which the source must achieve the standards specified in § 420.15(a).

(2) Except as provided in 40 CFR 403.7, the following standards apply with respect to each new source that commences construction after November 18, 2002:

SUBPART A—PRETREATMENT STANDARDS FOR NEW SOURCES (PSNS)

Regulated parameter	Maximum daily ¹	Maximum monthly avg. ¹
Ammonia-N ²	0.00293	0.00202
Benzo(a)pyrene	0.0000110	0.00000612
Cyanide	0.00297	0.00208
Naphthalene	0.0000111	0.00000616

¹ Pounds per thousand lb of product.

² The pretreatment standards for ammonia are not applicable to sources that discharge to a POTW with nitrification capability (defined at § 420.02(s)).

(A) Increased loadings, not to exceed 13.3 percent 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.* Except as provided in 40 CFR 403.7, the following standards apply with respect to each new source that commences construction after November 18, 2002: There shall be no discharge of process wastewater pollutants to POTWs.

[67 FR 64263, Oct. 17, 2002]

§ 420.17 Effluent limitations representing the degree of effluent reduction attainable by the application of the best conventional technology (BCT).

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 conventional technology.

(a) *By-product cokemaking—iron and steel.*

SUBPART A

Pollutant or pollutant property	BCT effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days
	Kg/kgg (pounds per 1,000 lb) of product	
TSS	0.253	0.131
O&G	0.0327	0.0109
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.*