

Environmental Protection Agency

§ 420.12

treatment works resulting from by-product and other cokemaking operations.

[67 FR 64261, Oct. 17, 2002]

§ 420.11 Specialized definitions.

(a) For the cokemaking subcategory, the term *product* means the production of coke plus coke breeze.

(b) The term *by-product cokemaking* means operations in which coal is heated in the absence of air to produce metallurgical coke (furnace coke and foundry coke), and the recovery of by-products derived from the gases and liquids that are driven from the coal during cokemaking.

(c) The term *cokemaking—non-recovery* means cokemaking operations for production of metallurgical coke (furnace coke and foundry coke) without recovery of by-products. Does not include co-generation facilities located at non-recovery coke facilities.

(d) The term *coke* means a processed form of coal that serves as the basic fuel for the smelting of iron ore.

(1) The term *foundry coke* means coke produced for foundry operations.

(2) The term *furnace coke* means coke produced for blast furnace operations

(e) The term *merchant coke plant* means by-product cokemaking operations that provide more than fifty percent of the coke produced to operations, industries, or processes other than ironmaking blast furnaces associated with steel production.

(f) The term *iron and steel coke plant* means by-product cokemaking operations other than those at merchant coke plants.

(g) The term *coke oven gas wet desulfurization system* means those systems that remove sulfur and sulfur compounds from coke oven gas and generate process wastewater.

(h) The term *coke breeze* means fine coke particles.

(i) The term *indirect ammonia recovery system* means those systems that recover ammonium hydroxide as a by-product from coke oven gases and waste ammonia liquors.

(j) The term *iron and steel* means those by-product cokemaking operations other than merchant cokemaking operations.

(k) The term *merchant* means those by-product cokemaking operations that provide more than fifty percent of the coke produced to operations, industries, or processes other than ironmaking blast furnaces associated with steel production.

(l) The term *O&G (as HEM)* means total recoverable oil and grease measured as n-hexane extractable material.

(m) The term *wet desulfurization system* means those systems that remove sulfur compounds from coke oven gases and produce a contaminated process wastewater.

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§ 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