

Subpart F—Chlor-alkali Subcategory (Chlorine and Sodium or Potassium Hydroxide Production)

§ 415.60 Applicability; description of the chlorine and sodium or potassium hydroxide production subcategory.

The provisions of this subpart are applicable to discharges resulting from the production of chlorine and sodium or potassium hydroxide by the diaphragm cell process and by the mercury cell process.

§ 415.61 Specialized definitions.

For the purpose of this subpart:

(a) Except as provided below, the general definitions, abbreviations and methods of analysis set forth in part 401 of this chapter shall apply to this subpart.

(b) The term *product* shall mean chlorine.

(c) The term *mercury* shall mean the total mercury present in the process wastewater stream exiting the mercury treatment system.

(d) The term *lead* shall mean total lead.

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

(a) Except as provided in 40 CFR 125.30 through 125.32, any existing point source subject to this subpart and using the mercury cell process 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):

SUBPART F—CHLOR-ALKALI MERCURY CELLS

Pollutant or pollutant property	BPT limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days
	Kg/kg (or pounds per 1,000 lb) of product	
TSS	0.64	0.32
Mercury (T)00028	.00014
pH	(¹)	(¹)

¹ Within the range of 6.0 to 9.0.

(b) Except as provided in 40 CFR 125.30 through 125.32, any existing point source subject to this subpart and using the diaphragm cell process 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):

SUBPART F—CHLOR-ALKALI DIAPHRAGM CELLS

Pollutant or pollutant property	BPT limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days
	Kg/kg (or pounds per 1,000 lb) of product	
TSS	1.1	0.51
Copper (T)	0.018	0.0070
Lead (T)	0.026	0.010
Nickel (T)	0.014	0.0056
pH	(¹)	(¹)

¹ Within the range 6.0 to 9.0.

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

(a) Except as provided in 40 CFR 125.30 through 125.32, any existing point source subject to this subpart and using the mercury cell process must achieve the following effluent limitations representing the degree of effluent reduction attainable by the application of the best available technology economically achievable (BAT):

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SUBPART F—CHLOR-ALKALI-MERCURY CELLS

Pollutant or pollutant property	BAT effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days
	Kg/kg (or pounds per 1,000 lb) of product	
Mercury (T)	0.00023	0.00010
Total Residual Chlorine	0.0032	0.0019

(b) Except as provided in 40 CFR 125.30 through 125.32, any existing point source subject to this subpart and using the diaphragm cell process must achieve the following effluent limitations guidelines representing the degree of effluent reduction attainable by the application of the best available technology economically achievable (BAT):

SUBPART F—CHLOR-ALKALI-DIAPHRAGM CELLS

Pollutant or pollutant property	BAT effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days
	Kg/kg (or pounds per 1,000 lb) of product	
Copper (T)	0.012	0.0049
Lead (T)	0.0059	0.0024
Nickel (T)	0.0097	0.0037
Total Residual Chlorine	0.013	0.0079

§ 415.64 Pretreatment standards for existing sources (PSES).

(a) [Reserved]

(b) Except as provided in 40 CFR 403.7 and 403.13, any existing source subject to this subpart and using the diaphragm cell process, 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 (PSES):

SUBPART F—CHLOR-ALKALI-DIAPHRAGM CELLS

Pollutant or pollutant property	PSES effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days
	Milligrams per liter (mg/l)	
Copper (T)	2.1	0.80
Lead (T)	2.9	1.1

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Pollutant or pollutant property	PSES effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days
Nickel (T)	1.6	0.64

In cases when POTWs find it necessary to impose mass limitations, the following equivalent mass limitations are provided as an alternate: The limitations for Copper (T), Lead(T) and Nickel (T) are the same as specified in § 415.62(b).

§ 415.65 New source performance standards (NSPS).

(a) Any new source subject to this subpart and using the mercury cell process must achieve the following new source performance standards (NSPS):

SUBPART F—CHLOR-ALKALI-MERCURY CELLS

Pollutant or pollutant property	NSPS limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days
	Kg/kg (or pounds per 1,000 lb) of product	
TSS	0.64	0.32
Mercury (T)	0.00023	0.00010
Total Residual Chlorine	0.0032	0.0019
pH	(¹)	(¹)

¹ Within the range 6.0 to 9.0.

(b) Any new source subject to this subpart and using the diaphragm cell process must achieve the following new source performance standards (NSPS):

SUBPART F—CHLOR-ALKALI-DIAPHRAGM CELLS

Pollutant or pollutant property	NSPS limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days
	Kg/kg (or pounds per 1,000 lb) of product	
TSS	1.1	0.51
Lead (T)	0.0047	0.0019
Total Residual Chlorine	0.013	0.0079
pH	(¹)	(¹)

¹ Within the range 6.0 to 9.0.