

**Environmental Protection Agency**

**§ 409.17**

**§ 409.13 Effluent limitations guidelines representing the degree of effluent reduction attainable by the application of the best available technology economically achievable.**

(a) The following limitations establish the quantity or quality of pollutants or pollutant properties which may be discharged by a point source where the sugar beet processing capacity of the point source does not exceed 1090 kkg (2300 tons) per day of beets sliced or where the soil filtration rate, whether natural or by deliberate design, within the boundaries of all waste water treatment or retention facilities associated with the point source is less than or equal to 0.159 cm (1/16 in.) per day; provided however, that a discharge by a point source may be made in accordance with the limitations set forth in either paragraph (a)(1) exclusively, or paragraph (a)(2) of this section exclusively.

(1) The following limitations establish the maximum permissible discharge of process waste water pollutants when the process waste water discharge results from barometric condensing operations only.

Effluent characteristic	Effluent limitations
Temperature .....	Temperature not to exceed the temperature of cooled water acceptable for return to the heat producing process and in no event greater than 32 °C (90 °F).

(2) The following limitations establish the maximum permissible discharge of process waste water pollutants when the process waste water discharge results, in whole or in part, from barometric condensing operations and any other beet sugar processing operation.

Effluent characteristics	Effluent limitations
Temperature .....	Not to exceed 32 °C (90 °F).

(b) [Reserved]

[39 FR 4037, Jan. 31, 1974, as amended at 40 FR 36337, Aug. 20, 1975; 44 FR 50740, Aug. 29, 1979]

**§ 409.14 Pretreatment standards for existing sources.**

Any existing source subject to this subpart that introduces process waste-

water pollutants into a publicly owned treatment works must comply with 40 CFR part 403. In addition, the following pretreatment standard establishes the quantity or quality of pollutants or pollutant properties controlled by this section which may be discharged to a publicly owned treatment works by a point source subject to the provisions of this subpart.

Pollutant or pollutant property	Pretreatment standard
pH .....	No limitation.
BOD <sub>5</sub> .....	Do.
TSS .....	Do.
Fecal coliform .....	Do.
Temperature (heat) .....	Do.

[40 FR 6439, Feb. 11, 1975, as amended at 60 FR 33949, June 29, 1995]

**§ 409.15 Standards of performance for new sources.**

The following standards of performance establish the quantity or quality of pollutants or pollutant properties which may be discharged by a point source subject to the provisions of this subpart: There shall be no discharge of process waste water pollutants to navigable waters.

**§ 409.16 Pretreatment standards for new sources.**

Any new source subject to this subpart that introduces process wastewater pollutants into a publicly owned treatment works must comply with 40 CFR part 403.

[60 FR 33949, June 29, 1995]

**§ 409.17 Effluent limitations guidelines representing the degree of effluent reduction attainable by the application of the best conventional pollutant control technology (BCT).**

Except as provided in §§ 125.30 through 125.32, any existing point source subject to this subpart shall achieve the following effluent limitations representing the degree of effluent reduction attainable by the application of the best conventional pollutant control technology (BCT): The limitations shall be the same as those specified for conventional pollutants (which are defined in § 401.16) in § 409.12 of this subpart for the best practicable

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control technology currently available (BPT).

[51 FR 24999, July 9, 1986]

**Subpart B—Crystalline Cane Sugar Refining Subcategory**

SOURCE: 39 FR 10524, Mar. 20, 1974, unless otherwise noted.

**§ 409.20 Applicability; description of the crystalline cane sugar refining subcategory.**

The provisions of this subpart are applicable to discharges resulting from the processing of raw cane sugar into crystalline refined sugar.

**§ 409.21 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) Net shall mean the addition of pollutants.

(c) Melt shall mean that amount of raw material (raw sugar) contained within aqueous solution at the beginning of the process for production of refined cane sugar.

**§ 409.22 Effluent limitations guidelines representing the degree of effluent reduction attainable by the application of the best practicable control technology currently available.**

Except as provided in §§125.30 through 125.32, any existing point source subject to this subpart shall achieve the following effluent limitations representing the degree of effluent reduction attainable by the application of the best practicable control technology currently available (BPT):

(a) Any crystalline cane sugar refinery discharging both barometric condenser cooling water and other process waters shall meet the following limitations. The BOD<sub>5</sub> limitation is determined by the addition of the net BOD<sub>5</sub> attributed to the barometric condenser cooling water to that amount of BOD<sub>5</sub> attributed to the treated process water. The TSS limitation is that amount of TSS attributed to the treated process water. Where the barometric condenser cooling water and process

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water streams are mixed and impossible to measure separately prior to discharge, the values should be considered net.

Effluent characteristic	Effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days shall not exceed—
	Metric units (kilograms per 1,000 kg of melt)	
BOD <sub>5</sub> .....	1.19	0.43
TSS .....	.27	0.09
pH .....	( <sup>1</sup> )	( <sup>1</sup> )
	English units (pounds per ton of melt)	
BOD <sub>5</sub> .....	2.38	0.86
TSS .....	.54	.18
pH .....	( <sup>1</sup> )	( <sup>1</sup> )

<sup>1</sup> Within the range 6.0 to 9.0.

(b) Any crystalline cane sugar refinery discharging barometric condenser cooling water only should be required to achieve the following net limitations:

Effluent characteristic	Effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days shall not exceed—
	Metric units (kilograms per 1,000 kg of melt)	
BOD <sub>5</sub> .....	1.02	0.34
	English units (pounds per ton of melt)	
BOD <sub>5</sub> .....	2.04	0.68

[39 FR 10524, Mar. 20, 1974, as amended at 60 FR 33949, June 29, 1995]

**§ 409.23 [Reserved]**

**§ 409.24 Pretreatment standards for existing sources.**

Any existing source subject to this subpart that introduces process wastewater pollutants into a publicly owned treatment works must comply with 40 CFR part 403. In addition, the following pretreatment standard establishes the quantity or quality of pollutants or pollutant properties controlled by this section which may be discharged to a publicly owned treatment works by a