

§ 405.70

**Subpart G—Fluid Mix for Ice Cream and Other Frozen Desserts Subcategory**

**§ 405.70 Applicability; description of the fluid mix for ice cream and other frozen desserts subcategory.**

The provisions of this subpart are applicable to discharges resulting from the manufacture of fluid mixes for ice cream and other frozen desserts for later freezing in other plants; it does not include freezing of the products as one of the affected operations.

**§ 405.71 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 “BOD5 input” shall mean the biochemical oxygen demand of the materials entered into process. It can be calculated by multiplying the fats, proteins and carbohydrates by factors of 0.890, 1.031 and 0.691 respectively. Organic acids (e.g., lactic acids) should be included as carbohydrates. Composition of input materials may be based on either direct analyses or generally accepted published values.

**§ 405.72 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) For plants with a dairy products input of more than 85,000 lb/day of milk equivalent (more than 8,830 lb/day of BOD5 input).

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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 BOD5 input)	
BOD5 .....	2.20	0.880
TSS .....	3.30	1.320
pH .....	( <sup>1</sup> )	( <sup>1</sup> )
	English units (pounds per 100 lb of BOD5 input)	
BOD5 .....	0.220	0.068
TSS .....	0.330	.132
pH .....	( <sup>1</sup> )	( <sup>1</sup> )

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

(b) For plants with a dairy products input of 85,000 lb/day or less of milk equivalent (less than 8.830 lb/day of BOD5 input).

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 BOD5 input)	
BOD5 .....	2.926	1.463
TSS .....	4.388	2.194
pH .....	( <sup>1</sup> )	( <sup>1</sup> )
	English units (pounds per 100 lb of BOD5 input)	
BOD5 .....	0.293	0.146
TSS .....	0.439	.219
pH .....	( <sup>1</sup> )	( <sup>1</sup> )

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

[39 FR 18597, May 28, 1974, as amended at 39 FR 32993, Sept. 13, 1974; 60 FR 33934, June 29, 1995]

**§ 405.73 [Reserved]**

**§ 405.74 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

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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.
BOD5 .....	Do.
TSS .....	Do.

[40 FR 6435, Feb. 11, 1975, as amended at 60 FR 33934, June 29, 1995]

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

The following standards of performance establish the quantity or quality of pollutants or pollutant properties, controlled by this section, which may be discharged by a new source subject to the provisions of this subpart:

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 BOD5 input)	
BOD5 .....	0.480	0.240
TSS .....	0.60	.30
pH .....	( <sup>1</sup> )	( <sup>1</sup> )
	English units (pounds per 100 lb of BOD5 input)	
BOD5 .....	0.048	0.024
TSS .....	0.060	.030
pH .....	( <sup>1</sup> )	( <sup>1</sup> )

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

**§ 405.76 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 33934, June 29, 1995]

**§ 405.77 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 § 405.72 of this subpart for the best practicable control technology currently available (BPT).

[51 FR 24996, July 9, 1986]

**Subpart H—Ice Cream, Frozen Desserts, Novelties and Other Dairy Desserts Subcategory**

**§ 405.80 Applicability; description of the ice cream, frozen desserts, novelties and other dairy desserts subcategory.**

The provisions of this subpart are applicable to discharges resulting from the manufacture of ice cream, ice milk, sherbert, water ices, stick confections, frozen novelties products, frozen desserts, melorine, pudding and other dairy product base desserts. If fluid mixes prepared at another plant are employed, the appropriate values from subpart G should be deducted from the limitations.

**§ 405.81 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 "BOD5 input" shall mean the biochemical oxygen demand of the materials entered into process. It can be calculated by multiplying the fats, proteins and carbohydrates by factors of 0.890, 1.031 and 0.691 respectively. Organic acids (e.g., lactic acids) should be included as carbohydrates.