

§ 405.81

the manufacture of ice cream, ice milk, sherbert, water ices, stick confections, frozen novelties products, frozen deserts, 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. Composition of input materials may be based on either direct analyses or generally accepted published values.

§ 405.82 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).

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 BOD ₅ input)	
BOD ₅	4.60	1.840
TSS	6.90	2.760
pH	(¹)	(¹)

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Effluent characteristic	Effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days shall not exceed—
	English units (pounds per 100 lb of BOD ₅ input)	
BOD ₅	0.460	0.184
TSS690	0.276
pH	(¹)	(¹)

¹ 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 BOD ₅ input)	
BOD ₅	6.126	3.063
TSS	9.188	4.594
pH	(¹)	(¹)
	English units (pounds per 100 lb of BOD ₅ input)	
BOD ₅	0.613	0.306
TSS919	.459
pH	(¹)	(¹)

¹ Within the range 6.0 to 9.0.

[39 FR 18597, May 28, 1974, as amended at 60 FR 33934, June 29, 1995]

§ 405.83 [Reserved]

§ 405.84 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 point source subject to the provisions of this subpart.

Pollutant or pollutant property	Pretreatment standard
pH	No limitation.
BOD ₅	Do.
TSS	Do.