

§ 405.30

40 CFR Ch. I (7-1-03 Edition)

**Subpart C—Cultured Products Subcategory**

**§ 405.30 Applicability; description of the cultured products subcategory.**

The provisions of this subpart are applicable discharges resulting from the manufacture of cultured products, including cultured skim milk (cultured buttermilk), yoghurt, sour cream and dips of various types.

**§ 405.31 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.

**§ 405.32 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 cultured products plants receiving more than 60,000 lb/day of milk equivalent (more than 6,200 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 .....	3.375	1.350
TSS .....	5.063	2.025

Effluent characteristic	Effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days shall not exceed—
pH .....	( <sup>1</sup> )	( <sup>1</sup> )
	English units (pounds per 100 lb of BOD5 input)	
BOD5 .....	0.338	0.135
TSS .....	0.506	.203
pH .....	( <sup>1</sup> )	( <sup>1</sup> )

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

(b) For cultured products plants receiving 60,000 lb/day or less of milk equivalent (less than 6,200 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 .....	4.50	2.250
TSS .....	6.750	.3375
pH .....	( <sup>1</sup> )	( <sup>1</sup> )
	English units (pounds per 100 lb of BOD5 input)	
BOD5 .....	0.450	0.225
TSS .....	0.675	.338
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 60 FR 33933, June 29, 1995]

**§ 405.33 [Reserved]**

**§ 405.34 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.
BOD5 .....	Do.

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Pollutant or pollutant property	Pretreatment standard
TSS .....	Do.

[40 FR 6434, Feb. 11, 1975, as amended at 60 FR 33933, June 29, 1995]

**§ 405.35 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 .....	0.740	0.370
TSS .....	0.926	.463
pH .....	( <sup>1</sup> )	( <sup>1</sup> )
	English units (pounds per 100 lb of BOD5 input)	
BOD5 .....	0.074	0.037
TSS .....	0.093	.046
pH .....	( <sup>1</sup> )	( <sup>1</sup> )

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

**§ 405.36 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 33933, June 29, 1995]

**§ 405.37 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 § 405.32 of this subpart for the best practicable

control technology currently available (BPT).

[51 FR 24996, July 9, 1986]

**Subpart D—Butter Subcategory**

**§ 405.40 Applicability; description of the butter subcategory.**

The provisions of this subpart are applicable to discharges resulting from the manufacture of butter, either by churning or continuous process.

**§ 405.41 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.

**§ 405.42 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 processing more than 175,000 lb/day of milk equivalent (more than 18,180 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 .....	1.375	0.550
TSS .....	2.063	.825