

**PART 405—DAIRY PRODUCTS  
PROCESSING POINT SOURCE  
CATEGORY**

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405.73 [Reserved]

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SOURCE: 39 FR 18597, May 28, 1974, unless otherwise noted.

Subpart A—Receiving Stations Subcategory

§ 405.10 Applicability; description of the receiving stations subcategory.

The provisions of this subpart are applicable to discharges resulting from the operation of receiving stations engaged in the assembly and reshipment of bulk milk for the use of manufacturing or processing plants.

§ 405.11 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.

§ 405.12 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 receiving stations receiving more than 150,000 lb/day of milk equivalent (15,600 lb/day or more 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 .....              | 0.475   | 0.190   |
| TSS .....               | 0.713   | .285  |
| pH .....                | ( <sup>1</sup> )                                    | ( <sup>1</sup> )  |
| 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 .....              | 0.475   | 0.190   |
| TSS .....               | 0.713   | .285  |
| pH .....                | ( <sup>1</sup> )                                    | ( <sup>1</sup> )  |
| 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 .....              | 0.625   | 0.313   |
| TSS .....               | 0.938   | .469  |
| pH .....                | ( <sup>1</sup> )                                    | ( <sup>1</sup> )  |
| 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 .....              | 0.625   | 0.313   |
| TSS .....               | 0.938   | .469  |
| pH .....                | ( <sup>1</sup> )                                    | ( <sup>1</sup> )  |
| 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 .....              | 0.625   | 0.313   |
| TSS .....               | 0.938   | .469  |
| pH .....                | ( <sup>1</sup> )                                    | ( <sup>1</sup> )  |
| 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 .....              | 0.625   | 0.313   |
| TSS .....               | 0.938   | .469  |
| pH .....                | ( <sup>1</sup> )                                    | ( <sup>1</sup> )  |
| 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 .....              | 0.625   | 0.313   |
| TSS .....               | 0.938   | .469  |
| pH .....                | ( <sup>1</sup> )                                    | ( <sup>1</sup> )  |
| 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 .....              | 0.625   | 0.313   |
| TSS .....               | 0.938   | .469  |
| pH .....                | ( <sup>1</sup> )                                    | ( <sup>1</sup> )  |
| 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 .....              | 0.625   | 0.313   |
| TSS .....               | 0.938   | .469  |
| pH .....                | ( <sup>1</sup> )                                    | ( <sup>1</sup> )  |
| 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 .....              | 0.625   | 0.313   |
| TSS .....               | 0.938   | .469  |
| pH .....                | ( <sup>1</sup> )                                    | ( <sup>1</sup> )  |
| 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 .....              | 0.625   | 0.313   |
| TSS .....               | 0.938   | .469  |
| pH .....                | ( <sup>1</sup> )                                    | ( <sup>1</sup> )  |
| 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 .....              | 0.625   | 0.313   |
| TSS .....               | 0.938   | .469  |
| pH .....                | ( <sup>1</sup> )                                    | ( <sup>1</sup> )  |
| 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 .....              | 0.625   | 0.313   |
| TSS .....               | 0.938   | .469  |
| pH .....                | ( <sup>1</sup> )                                    | ( <sup>1</sup> )  |
| 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 .....              | 0.625   | 0.313   |
| TSS .....               | 0.938   | .469  |
| pH .....                | ( <sup>1</sup> )                                    | ( <sup>1</sup> )  |
| 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 .....              | 0.625   | 0.313   |
| TSS .....               | 0.938   | .469  |
| pH .....                | ( <sup>1</sup> )                                    | ( <sup>1</sup> )  |
| 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 .....              | 0.625   | 0.313   |
| TSS .....               | 0.938   | .469  |
| pH .....                | ( <sup>1</sup> )                                    | ( <sup>1</sup> )  |
| 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 .....              | 0.625   | 0.313   |
| TSS .....               | 0.938   | .469  |
| pH .....                | ( <sup>1</sup> )                                    | ( <sup>1</sup> )  |
| 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 .....              | 0.625   | 0.313   |
| TSS .....               | 0.938   | .469  |
| pH .....                | ( <sup>1</sup> )                                    | ( <sup>1</sup> )  |
| 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 .....              | 0.625   | 0.313   |
| TSS .....               | 0.938   | .469  |
| pH .....                | ( <sup>1</sup> )                                    | ( <sup>1</sup> )  |
| 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 .....              | 0.625   | 0.313   |
| TSS .....               | 0.938   | .469  |
| pH .....                | ( <sup>1</sup> )                                    | ( <sup>1</sup> )  |
| 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 .....              | 0.625   | 0.313   |
| TSS .....               | 0.938   | .469  |
| pH .....                | ( <sup>1</sup> )                                    | ( <sup>1</sup> )  |
| 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 .....              | 0.625   | 0.313   |
| TSS .....               | 0.938   | .469  |
| pH .....                | ( <sup>1</sup> )                                    | ( <sup>1</sup> )  |
| 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 .....              | 0.625   | 0.313   |
| TSS .....               | 0.938   | .469  |
| pH .....                | ( <sup>1</sup> )                                    | ( <sup>1</sup> )  |
| 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 .....              | 0.625   | 0.313   |
| TSS .....               | 0.938   | .469  |
| pH .....                | ( <sup>1</sup> )                                    | ( <sup>1</sup> )  |
| 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 .....              | 0.625   | 0.313   |
| TSS .....               | 0.938   | .469  |
| pH .....                | ( <sup>1</sup> )                                    | ( <sup>1</sup> )  |
| 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 .....              | 0.625   | 0.313   |
| TSS .....               | 0.938   | .469  |
| pH .....                | ( <sup>1</sup> )                                    | ( <sup>1</sup> )  |
| 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 .....              | 0.625   | 0.313   |
| TSS .....               | 0.938   | .469  |
| pH .....                | ( <sup>1</sup> )                                    | ( <sup>1</sup> )  |
| 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 .....              | 0.625   | 0.313   |
| TSS .....               | 0.938   | .469  |
| pH .....                | ( <sup>1</sup> )                                    | ( <sup>1</sup> )  |
| 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 .....              | 0.625   | 0.313   |
| TSS .....               | 0.938   | .469  |
| pH .....                | ( <sup>1</sup> )                                    | ( <sup>1</sup> )  |
| 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 .....              | 0.625   | 0.313   |
| TSS .....               | 0.938   | .469  |
| pH .....                | ( <sup>1</sup> )                                    | ( <sup>1</sup> )  |
| 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 .....              | 0.625   | 0.313   |
| TSS .....               | 0.938   | .469  |
| pH .....                | ( <sup>1</sup> )                                    | ( <sup>1</sup> )  |
| 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 .....              | 0.625   | 0.313   |
| TSS .....               | 0.938   | .469  |
| pH .....                | ( <sup>1</sup> )                                    | ( <sup>1</sup> )  |
| 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 .....              | 0.625   | 0.313   |
| TSS .....               | 0.938   | .469  |
| pH .....                | ( <sup>1</sup> )                                    | ( <sup>1</sup> )  |
| 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 .....              | 0.625   | 0.313   |
| TSS .....               | 0.938   | .469  |
| pH .....                | ( <sup>1</sup> )                                    | ( <sup>1</sup> )  |
| 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 .....              | 0.625   | 0.313   |
| TSS .....               | 0.938   | .469  |
| pH .....                | ( <sup>1</sup> )                                    | ( <sup>1</sup> )  |
| 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 .....              | 0.625   | 0.313   |
| TSS .....               | 0.938   | .469  |
| pH .....                | ( <sup>1</sup> )                                    | ( <sup>1</sup> )  |
| 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 .....              | 0.625   | 0.313   |
| TSS .....               | 0.938   | .469  |
| pH .....                | ( <sup>1</sup> )                                    | ( <sup>1</sup> )  |
| 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 .....              | 0.625   | 0.313   |
| TSS .....               | 0.938   | .469  |
| pH .....                | ( <sup>1</sup> )                                    | ( <sup>1</sup> )  |
| 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 .....              | 0.625   | 0.313   |
| TSS .....               | 0.938   | .469  |
| pH .....                | ( <sup>1</sup> )                                    | ( <sup>1</sup> )  |
| 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 .....              | 0.625   | 0.313   |
| TSS .....               | 0.938   | .469  |
| pH .....                | ( <sup>1</sup> )                                    | ( <sup>1</sup> )  |
| 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 .....              | 0.625   | 0.313   |
| TSS .....               | 0.938   | .469  |
| pH .....                | ( <sup>1</sup> )                                    | ( <sup>1</sup> )  |
| 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 .....              | 0.625   | 0.313   |
| TSS .....               | 0.938   | .469  |
| pH .....                | ( <sup>1</sup> )                                    | ( <sup>1</sup> )  |
| 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 .....              | 0.625   | 0.313   |
| TSS .....               | 0.938   | .469  |
| pH .....                | ( <sup>1</sup> )                                    | ( <sup>1</sup> )  |
| 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 .....              | 0.625   | 0.313   |
| TSS .....               | 0.938   | .469  |

## Environmental Protection Agency

## § 405.21

### § 405.13 [Reserved]

### § 405.14 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.                   |
| TSS .....                       | Do.                   |

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

### § 405.15 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 .....              | 0.100   | 0.050   |
| TSS .....               | 0.126   | .063  |
| pH .....                | ( <sup>1</sup> )                                    | ( <sup>1</sup> )  |
|                         | English units (pounds per 100 lb of BOD5 input)     |   |
| BOD5 .....              | 0.010   | 0.005   |
| TSS .....               | 0.013   | .006  |
| pH .....                | ( <sup>1</sup> )                                    | ( <sup>1</sup> )  |

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

### § 405.16 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 33933, June 29, 1995]

### § 405.17 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 § 405.12 of this subpart for the best practicable control technology currently available (BPT).

[51 FR 24996, July 9, 1986]

## Subpart B—Fluid Products Subcategory

### § 405.20 Applicability; description of the fluid products subcategory.

The provisions of this subpart are applicable to discharges resulting from the manufacture of market milk (ranging from 3.5 percent fat to fat-free), flavored milk (chocolate and others) and cream (of various fat concentrations, plain and whipped).

### § 405.21 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) 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.

## § 405.22

### § 405.22 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) For fluid products plants receiving more than 250,000 lb/day of milk equivalent (more than 25,900 lb/day of BOD<sub>5</sub> 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 <sub>5</sub> input) |   |
| BOD <sub>5</sub> .....  | 3.375   | 1.350   |
| TSS .....               | 5.506   | 2.025   |
| pH .....                | ( <sup>1</sup> )  | ( <sup>1</sup> )  |
|                         | English units (pounds per 100 lb of BOD <sub>5</sub> input)     |   |
| BOD <sub>5</sub> .....  | 0.338   | 0.135   |
| TSS .....               | 0.551   | .203  |
| pH .....                | ( <sup>1</sup> )  | ( <sup>1</sup> )  |

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

(b) For fluid products plants receiving 250,000 lb/day or less of milk equivalent (less than 25,900 lb/day of BOD<sub>5</sub> 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 <sub>5</sub> input) |   |
| BOD <sub>5</sub> .....  | 4.50  | 2.250   |
| TSS .....               | 6.750   | 3.375   |
| pH .....                | ( <sup>1</sup> )  | ( <sup>1</sup> )  |
|                         | English units (pounds per 100 lb of BOD <sub>5</sub> input)     |   |
| BOD <sub>5</sub> .....  | 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.

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[39 FR 18597, May 28, 1974, as amended at 39 FR 32994, Sept. 13, 1974; 60 FR 33933, June 29, 1995]

### § 405.23 [Reserved]

### § 405.24 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 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.                   |

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

### § 405.25 Standards of performance for new sources.

| 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 <sub>5</sub> input) |   |
| BOD <sub>5</sub> .....  | 0.740   | 0.370   |
| TSS .....               | 0.925   | .463  |
| pH .....                | ( <sup>1</sup> )  | ( <sup>1</sup> )  |
|                         | English units (pounds per 100 lb of BOD <sub>5</sub> input)     |   |
| BOD <sub>5</sub> .....  | 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.

### § 405.26 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]

## Environmental Protection Agency

## § 405.32

### § 405.27 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 § 405.22 of this subpart for the best practicable control technology currently available (BPT).

[51 FR 24996, July 9, 1986]

### 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   |
| 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

### § 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.                   |
| 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

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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.

## Environmental Protection Agency

## § 405.46

### § 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 BOD<sub>5</sub> 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 <sub>5</sub> input) |   |
| BOD <sub>5</sub> .....  | 1.375   | 0.550   |
| TSS .....               | 2.063   | .825  |
| pH .....                | ( <sup>1</sup> )  | ( <sup>1</sup> )  |
|                         | English units (pounds per 100 lb of BOD <sub>5</sub> input)     |   |
| BOD <sub>5</sub> .....  | 0.138   | 0.055   |
| TSS .....               | 0.206   | .083  |
| pH .....                | ( <sup>1</sup> )  | ( <sup>1</sup> )  |

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

(b) For plants processing 175,000 lb/day or less of milk equivalent (less than 18,180 lb/day of BOD<sub>5</sub> 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 <sub>5</sub> input) |   |
| BOD <sub>5</sub> .....  | 1.825   | 0.913   |
| TSS .....               | 2.738   | 1.369   |
| pH .....                | ( <sup>1</sup> )  | ( <sup>1</sup> )  |
|                         | English units (pounds per 100 lb of BOD <sub>5</sub> input)     |   |
| BOD <sub>5</sub> .....  | 0.183   | 0.091   |
| TSS .....               | .274  | .137  |
| 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]

### § 405.43 [Reserved]

### § 405.44 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 <sub>5</sub> .....          | Do.                   |
| TSS .....                       | Do.                   |

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

### § 405.45 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 BOD <sub>5</sub> input) |   |
| BOD <sub>5</sub> .....  | 0.160   | 0.080   |
| TSS .....               | 0.20  | .10   |
| pH .....                | ( <sup>1</sup> )  | ( <sup>1</sup> )  |
|                         | English units (pounds per 100 lb of BOD <sub>5</sub> input)     |   |
| BOD <sub>5</sub> .....  | 0.016   | 0.008   |
| TSS .....               | 0.020   | .010  |
| pH .....                | ( <sup>1</sup> )  | ( <sup>1</sup> )  |

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

### § 405.46 Pretreatment standards for new sources.

Any new source subject to this subpart that introduces process wastewater pollutants into a publicly owned



## § 405.47

treatment works must comply with 40 CFR part 403.

[60 FR 33934, June 29, 1995]

### § 405.47 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 § 405.42 of this subpart for the best practicable control technology currently available (BPT).

[51 FR 24996, July 9, 1986]

## Subpart E—Cottage Cheese and Cultured Cream Cheese Subcategory

### § 405.50 Applicability; description of the cottage cheese and cultured cream cheese subcategory.

The provisions of this subpart are applicable to discharges resulting from the manufacture of cottage cheese and cultured cream cheese.

### § 405.51 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 “BOD<sub>5</sub> 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.

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### § 405.52 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 25,000 lb/day of milk equivalent (more than 2,600 lb/day of BOD<sub>5</sub> 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 <sub>5</sub> input) |                       |   |
| BOD <sub>5</sub> .....  | 6.70                  | 2.680   |
| TSS .....   | 10.050                | 4.020   |
| pH .....  | ( <sup>1</sup> )      | ( <sup>1</sup> )  |
| English units (pounds per 100 lb of BOD <sub>5</sub> input)     |                       |   |
| BOD <sub>5</sub> .....  | 0.670                 | 0.268   |
| TSS .....   | 1.005                 | .402  |
| pH .....  | ( <sup>1</sup> )      | ( <sup>1</sup> )  |

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

(b) For plants processing 25,000 lb/day or less of milk equivalent (less than 2,600 lb/day of BOD<sub>5</sub> 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 <sub>5</sub> input) |                       |   |
| BOD <sub>5</sub> .....  | 8.926                 | 4.463   |
| TSS .....   | 13.388                | 6.694   |
| pH .....  | ( <sup>1</sup> )      | ( <sup>1</sup> )  |
| English units (pounds per 100 lb of BOD <sub>5</sub> input)     |                       |   |
| BOD <sub>5</sub> .....  | 0.893                 | 0.446   |
| TSS .....   | 1.339                 | .669  |
| 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 33934, June 29, 1995]

## Environmental Protection Agency

## § 405.61

### § 405.53 [Reserved]

### § 405.54 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.                   |
| TSS .....                       | Do.                   |

[40 FR 6434, Feb. 11, 1975, as amended at 60 FR 33934, June 29, 1995]

### § 405.55 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 .....              | 1.480   | 0.740   |
| TSS .....               | 1.850   | .925  |
| pH .....                | ( <sup>1</sup> )                                    | ( <sup>1</sup> )  |
|                         | English units (pounds per 100 lb of BOD5 input)     |   |
| BOD5 .....              | 0.148   | 0.074   |
| TSS .....               | 0.185   | .093  |
| pH .....                | ( <sup>1</sup> )                                    | ( <sup>1</sup> )  |

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

### § 405.56 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]

### § 405.57 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 § 405.52 of this subpart for the best practicable control technology currently available (BPT).

[51 FR 24996, July 9, 1986]

## Subpart F—Natural and Processed Cheese Subcategory

### § 405.60 Applicability; description of the natural and processed cheese subcategory.

The provisions of this subpart are applicable to discharges resulting from the manufacture of natural cheese (hard curd) and processed cheese.

### § 405.61 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 “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.

## § 405.62

### § 405.62 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 100,000 lb/day of milk equivalent (more than 10,390 lb/day of BOD<sub>5</sub> 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 <sub>5</sub> input) |   |
| BOD <sub>5</sub> .....  | 0.716   | 0.290   |
| TSS .....               | 1.088   | .435  |
| pH .....                | ( <sup>1</sup> )  | ( <sup>1</sup> )  |
|                         | English units (pounds per 100 lb of BOD <sub>5</sub> input)     |   |
| BOD <sub>5</sub> .....  | 0.073   | 0.029   |
| TSS .....               | 0.109   | .044  |
| pH .....                | ( <sup>1</sup> )  | ( <sup>1</sup> )  |

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

(b) For plants processing 100,000 lb/day or less of milk equivalent (less than 10,390 lb/day of BOD<sub>5</sub> 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 <sub>5</sub> input) |   |
| BOD <sub>5</sub> .....  | 0.976   | 0.488   |
| TSS .....               | 1.462   | .731  |
| pH .....                | ( <sup>1</sup> )  | ( <sup>1</sup> )  |
|                         | English units (pounds per 100 lb of BOD <sub>5</sub> input)     |   |
| BOD <sub>5</sub> .....  | 0.098   | 0.049   |
| TSS .....               | 0.146   | .073  |
| 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]

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### § 405.63 [Reserved]

### § 405.64 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 <sub>5</sub> .....          | Do.                   |
| TSS .....                       | Do.                   |

[40 FR 6434, Feb. 11, 1975, as amended at 60 FR 33934, June 29, 1995]

### § 405.65 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 BOD <sub>5</sub> input) |   |
| BOD <sub>5</sub> .....  | 0.160   | 0.080   |
| TSS .....               | 0.20  | .10   |
| pH .....                | ( <sup>1</sup> )  | ( <sup>1</sup> )  |
|                         | English units (pounds per 100 lb of BOD <sub>5</sub> input)     |   |
| BOD <sub>5</sub> .....  | 0.016   | 0.008   |
| TSS .....               | 0.020   | .010  |
| pH .....                | ( <sup>1</sup> )  | ( <sup>1</sup> )  |

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

### § 405.66 Pretreatment standards for new sources.

Any new source subject to this subpart that introduces process wastewater pollutants into a publicly owned

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treatment works must comply with 40 CFR part 403.

[60 FR 33934, June 29, 1995]

### § 405.67 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 § 405.62 of this subpart for the best practicable control technology currently available (BPT).

[51 FR 24996, July 9, 1986]

## 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 “BOD<sub>5</sub> 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 BOD<sub>5</sub> 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 <sub>5</sub> input) |                       |   |
| BOD <sub>5</sub> .....  | 2.20                  | 0.880   |
| TSS .....   | 3.30                  | 1.320   |
| pH .....  | ( <sup>1</sup> )      | ( <sup>1</sup> )  |
| English units (pounds per 100 lb of BOD <sub>5</sub> input)     |                       |   |
| BOD <sub>5</sub> .....  | 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 BOD<sub>5</sub> 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 <sub>5</sub> input) |                       |   |
| BOD <sub>5</sub> .....  | 2.926                 | 1.463   |
| TSS .....   | 4.388                 | 2.194   |
| pH .....  | ( <sup>1</sup> )      | ( <sup>1</sup> )  |
| English units (pounds per 100 lb of BOD <sub>5</sub> input)     |                       |   |
| BOD <sub>5</sub> .....  | 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.

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[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 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.                   |

[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 BOD <sub>5</sub> input) |   |
| BOD <sub>5</sub> .....  | 0.480   | 0.240   |
| TSS .....               | 0.60  | .30   |
| pH .....                | ( <sup>1</sup> )  | ( <sup>1</sup> )  |
|                         | English units (pounds per 100 lb of BOD <sub>5</sub> input)     |   |
| BOD <sub>5</sub> .....  | 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

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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 “BOD<sub>5</sub> 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

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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 BOD<sub>5</sub> 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 <sub>5</sub> input) |                       |   |
| BOD <sub>5</sub> .....  | 4.60                  | 1.840   |
| TSS .....   | 6.90                  | 2.760   |
| pH .....  | ( <sup>1</sup> )      | ( <sup>1</sup> )  |
| English units (pounds per 100 lb of BOD <sub>5</sub> input)     |                       |   |
| BOD <sub>5</sub> .....  | 0.460                 | 0.184   |
| TSS .....   | .690                  | 0.276   |
| 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 BOD<sub>5</sub> 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 <sub>5</sub> input) |                       |   |
| BOD <sub>5</sub> .....  | 6.126                 | 3.063   |
| TSS .....   | 9.188                 | 4.594   |
| pH .....  | ( <sup>1</sup> )      | ( <sup>1</sup> )  |

| 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 <sub>5</sub> input) |                       |   |
| BOD <sub>5</sub> .....                                      | 0.613                 | 0.306   |
| TSS .....   | .919                  | .459  |
| 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 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 <sub>5</sub> .....          | Do.                   |
| TSS .....                       | Do.                   |

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

### § 405.85 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 BOD <sub>5</sub> input) |                       |   |
| BOD <sub>5</sub> .....  | 0.940                 | 0.470   |
| TSS .....   | 1.175                 | .588  |
| pH .....  | ( <sup>1</sup> )      | ( <sup>1</sup> )  |

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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 <sub>5</sub> input) |   |
| BOD <sub>5</sub> .....  | 0.094   | 0.047   |
| TSS .....               | 0.118   | .059  |
| pH .....                | ( <sup>1</sup> )  | ( <sup>1</sup> )  |

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

### § 405.86 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]

### § 405.87 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 § 405.82 of this subpart for the best practicable control technology currently available (BPT).

[51 FR 24996, July 9, 1986]

## Subpart I—Condensed Milk Subcategory

### § 405.90 Applicability; description of the condensed milk subcategory.

The provisions of this subpart are applicable to discharges resulting from the manufacture of condensed whole milk, condensed skim milk, sweetened condensed milk and condensed butter-milk.

### § 405.91 Specialized definitions.

For the purpose of this subpart:

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(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 “BOD<sub>5</sub> 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.

### § 405.92 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 condensing more than 100,000 lb/day of milk equivalent (more than 10,390 lb/day of BOD<sub>5</sub> 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 <sub>5</sub> input) |   |
| BOD <sub>5</sub> .....  | 3.450   | 1.380   |
| TSS .....               | 5.175   | 2.070   |
| pH .....                | ( <sup>1</sup> )  | ( <sup>1</sup> )  |
|                         | English units (pounds per 100 lb of BOD <sub>5</sub> input)     |   |
| BOD <sub>5</sub> .....  | 0.345   | 0.138   |
| TSS .....               | 0.518   | .207  |
| pH .....                | ( <sup>1</sup> )  | ( <sup>1</sup> )  |

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

(b) For plants condensing 100,000 lb/day or less of milk equivalent (less than 10,390 lb/day of BOD<sub>5</sub> 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 BOD <sub>5</sub> input) |   |
| BOD <sub>5</sub> .....  | 4.60  | 2.30  |
| TSS .....               | 6.90  | .450  |
| pH .....                | ( <sup>1</sup> )  | ( <sup>1</sup> )  |
|                         | English units (pounds per 100 lb of BOD <sub>5</sub> input)     |   |
| BOD <sub>5</sub> .....  | 0.460   | 0.230   |
| TSS .....               | 0.690   | .345  |
| pH .....                | ( <sup>1</sup> )  | ( <sup>1</sup> )  |

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

(c) For plants in the size range covered by paragraph (b) once-through barometric condenser water may be discharged untreated if the composite net entrainment is below 15 mg/l of BOD<sub>5</sub> for any one day and below 10 mg/l of BOD<sub>5</sub> as the average for thirty consecutive days.

[39 FR 18597, May 28, 1974, as amended at 39 FR 32993, Sept. 13, 1974; 60 FR 33935, June 29, 1995]

### § 405.93 [Reserved]

### § 405.94 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 <sub>5</sub> .....          | Do.                   |
| TSS .....                       | Do.                   |

[40 FR 6435, Feb. 11, 1975, as amended at 60 FR 33935, June 29, 1995]

### § 405.95 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 BOD <sub>5</sub> input) |   |
| BOD <sub>5</sub> .....  | 0.760   | 0.380   |
| TSS .....               | 0.950   | .475  |
| pH .....                | ( <sup>1</sup> )  | ( <sup>1</sup> )  |
|                         | English units (pounds per 100 lb of BOD <sub>5</sub> input)     |   |
| BOD <sub>5</sub> .....  | 0.076   | 0.038   |
| TSS .....               | 0.095   | .048  |
| 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 32994, Sept. 13, 1974]

### § 405.96 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 33935, June 29, 1995]

### § 405.97 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 § 405.92 of this subpart for the best practicable control technology currently available (BPT).

[51 FR 24996, July 9, 1986]



**Subpart J—Dry Milk Subcategory****§ 405.100 Applicability; description of the dry milk subcategory.**

The provisions of this subpart are applicable to discharges resulting from the manufacture of dry whole milk, dry skim milk and dry buttermilk.

**§ 405.101 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 analysis or generally accepted published values.

**§ 405.102 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 milk drying plants with an input equivalent to more than 145,000 lb/day of milk equivalent (more than 15,070 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 .....              | 1.625   | 0.650   |
| TSS .....               | 2.438   | .975  |
| pH .....                | ( <sup>1</sup> )                                    | ( <sup>1</sup> )  |

| 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 BOD5 input) |   |
| BOD5 .....              | 0.163   | 0.065   |
| TSS .....               | 0.244   | .098  |
| pH .....                | ( <sup>1</sup> )                                | ( <sup>1</sup> )  |

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

(b) For milk drying plants with an input equivalent to 145,000 lb/day or less of milk equivalent (less than 15,070 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 .....              | 2.176   | 1.088   |
| TSS .....               | 3.276   | 1.638   |
| pH .....                | ( <sup>1</sup> )                                    | ( <sup>1</sup> )  |
|                         | English units (pounds per 100 lb of BOD5 input)     |   |
| BOD5 .....              | 0.218   | 0.109   |
| TSS .....               | 0.328   | .164  |
| 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 33935, June 29, 1995]

**§ 405.103 [Reserved]****§ 405.104 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.                   |
| TSS .....                       | Do.                   |

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[40 FR 6435, Feb. 11, 1975, as amended at 60 FR 33935, June 29, 1995]

### § 405.105 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 BOD <sub>5</sub> input) |   |
| BOD <sub>5</sub> .....  | 0.036   | 0.018   |
| TSS .....               | 0.450   | .225  |
| pH .....                | ( <sup>1</sup> )  | ( <sup>1</sup> )  |
|                         | English units (pounds per 100 lb of BOD <sub>5</sub> input)     |   |
| BOD <sub>5</sub> .....  | 0.036   | 0.018   |
| TSS .....               | 0.045   | .023  |
| 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]

### § 405.106 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 33935, June 29, 1995]

### § 405.107 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 § 405.102 of this subpart for the best practicable control technology currently available (BPT).

[51 FR 24996, July 9, 1986]

## Subpart K—Condensed Whey Subcategory

### § 405.110 Applicability; description of the condensed whey subcategory.

The provisions of this subpart are applicable to discharges resulting from the manufacture of condensed sweet whey and condensed acid whey.

### § 405.111 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 *BOD<sub>5</sub>* 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.

### § 405.112 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 whey condensing plants with over 300,000 lb/day of fluid raw whey input (over 20,700 lb/day of solids or 14,160 lb/day of BOD<sub>5</sub> 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 BOD <sub>5</sub> input) |   |
| BOD <sub>5</sub> .....  | 1.00  | 0.400   |
| TSS .....               | 1.50  | .600  |
| pH .....                | ( <sup>1</sup> )  | ( <sup>1</sup> )  |
|                         | English units (pounds per 100 lb of BOD <sub>5</sub> input)     |   |
| BOD <sub>5</sub> .....  | 0.100   | 0.040   |
| TSS .....               | 0.150   | .060  |
| pH .....                | ( <sup>1</sup> )  | ( <sup>1</sup> )  |

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

(b) For whey condensing plants with 300,000 lb/day or less of raw fluid whey input (less than 20,700 lb/day of solids or 14,160 lb/day of BOD<sub>5</sub> 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 <sub>5</sub> input) |   |
| BOD <sub>5</sub> .....  | 1.30  | 0.650   |
| TSS .....               | 1.950   | .975  |
| pH .....                | ( <sup>1</sup> )  | ( <sup>1</sup> )  |
|                         | English units (pounds per 100 lb of BOD <sub>5</sub> input)     |   |
| BOD <sub>5</sub> .....  | 0.130   | 0.065   |
| TSS .....               | 0.195   | .098  |
| pH .....                | ( <sup>1</sup> )  | ( <sup>1</sup> )  |

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

(c) For plants in the size range covered in paragraph (b) once-through barometric condenser water may be discharged untreated if the composite net entrainment is below 15 mg/l of BOD<sub>5</sub> for any one day and below 10 mg/l of BOD<sub>5</sub> as the average for thirty consecutive days.

[39 FR 18597, May 28, 1974, as amended at 60 FR 33935, June 29, 1995]

## § 405.113 [Reserved]

## § 405.114 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

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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.                   |

[40 FR 6435, Feb. 11, 1975, as amended at 60 FR 33935, June 29, 1995]

## § 405.115 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 BOD <sub>5</sub> input) |   |
| BOD <sub>5</sub> .....  | 0.220   | 0.110   |
| TSS .....               | 0.276   | .138  |
| pH .....                | ( <sup>1</sup> )  | ( <sup>1</sup> )  |
|                         | English units (pounds per 100 lb of BOD <sub>5</sub> input)     |   |
| BOD <sub>5</sub> .....  | 0.022   | 0.011   |
| TSS .....               | 0.028   | .014  |
| pH .....                | ( <sup>1</sup> )  | ( <sup>1</sup> )  |

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

## § 405.116 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 33935, June 29, 1995]

## § 405.117 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

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

[51 FR 24996, July 9, 1986]

### Subpart L—Dry Whey Subcategory

#### § 405.120 Applicability; description of the dry whey subcategory.

The provisions of this subpart are applicable to discharges resulting from the manufacture of sweet or acid dry whey.

#### § 405.121 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.

#### § 405.122 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 whey drying plants with an input equivalent to more than 57,000 lb/day of 40 percent solids whey (22,800 lb/

day of solids or 15,620 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 .....  | 1.00                  | 0.400   |
| TSS .....   | 1.50                  | .600  |
| pH .....  | ( <sup>1</sup> )      | ( <sup>1</sup> )  |
| English units (pounds per 100 lb of BOD5 input)     |                       |   |
| BOD5 .....  | 0.100                 | 0.040   |
| TSS .....   | 0.150                 | .060  |
| pH .....  | ( <sup>1</sup> )      | ( <sup>1</sup> )  |

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

(b) For whey drying plants with an input equivalent to 57,000 lb/day or less of 40 percent solids whey (under 22,800 lb/day solids or 15,620 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 .....  | 1.30                  | 0.650   |
| TSS .....   | 1.95                  | .975  |
| pH .....  | ( <sup>1</sup> )      | ( <sup>1</sup> )  |
| English units (pounds per 100 lb of BOD5 input)     |                       |   |
| BOD5 .....  | 0.130                 | 0.065   |
| TSS .....   | 0.195                 | .098  |
| 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 33935, June 29, 1995]

#### § 405.123 [Reserved]

#### § 405.124 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

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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.                   |

[40 FR 6435, Feb. 11, 1975, as amended at 60 FR 33935, June 29, 1995]

### § 405.125 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 BOD <sub>5</sub> input) |   |
| BOD <sub>5</sub> .....  | 0.220   | 0.110   |
| TSS .....               | 0.275   | .138  |
| pH .....                | ( <sup>1</sup> )  | ( <sup>1</sup> )  |
|                         | English units (pounds per 100 lb of BOD <sub>5</sub> input)     |   |
| BOD <sub>5</sub> .....  | 0.022   | 0.011   |
| TSS .....               | 0.023   | .014  |
| pH .....                | ( <sup>1</sup> )  | ( <sup>1</sup> )  |

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

### § 405.126 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 33935, June 29, 1995]

### § 405.127 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 pollut-

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ant control technology (BCT): The limitations shall be the same as those specified for conventional pollutants (which are defined in § 401.16) in § 405.122 of this subpart for the best practicable control technology currently available (BPT).

[51 FR 24996, July 9, 1986]

## PART 406—GRAIN MILLS POINT SOURCE CATEGORY

### Subpart A—Corn Wet Milling Subcategory

Sec.

406.10 Applicability; description of the corn wet milling subcategory.

406.11 Specialized definitions.

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

406.13 [Reserved]

406.14 Pretreatment standards for existing sources.

406.15 Standards of performance for new sources.

406.16 Pretreatment standards for new sources.

406.17 Effluent limitations guidelines representing the degree of effluent reduction attainable by the application of the best conventional pollutant control technology.

### Subpart B—Corn Dry Milling Subcategory

406.20 Applicability; description of the corn dry milling subcategory.

406.21 Specialized definitions.

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

406.23 [Reserved]

406.24 Pretreatment standards for existing sources.

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406.26 Pretreatment standards for new sources.

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

### Subpart C—Normal Wheat Flour Milling Subcategory

406.30 Applicability; description of the normal wheat flour milling subcategory.

406.31 Specialized definitions.