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would result if all water were removed from the actual product.

(c) The term *surfactant* shall mean those methylene blue active substances amenable to measurement by the method described in ''Methods for Chemical Analysis of Water and Wastes,'' 1971, Environmental Protection Agency, Analytical Quality Control Laboratory, page 131.

(d) The term *normal operation* of a spray tower shall mean operation utilizing formulations that present limitted air quality problems from stack gases and associated need for extensive wet scrubbing, and without more than 6 turnarounds in a 30 consecutive day period, thus permitting essentially complete recycle of waste water.

(e) The term *air quality restricted operation* of a spray tower shall mean an operation utilizing formulations (e.g., those with high non-ionic content) which require a very high rate of wet scrubbing to maintain desirable quality of stack gases, and thus generate much greater quantities of waste water than can be recycled to process.

(f) The term *fast turnaround operation* of a spray drying tower shall mean operation involving more than 6 changes of formulation in a 30 consecutive day period that are of such degree and type (e.g., high phosphate to no phosphate) as to require cleaning of the tower to maintain minimal product quality.

(g) The term BOD7 shall mean the biochemical oxygen demand as determined by incubation at 20 degrees C for a period of 7 days using an acclimated seed. Agitation employing a magnetic stirrer set at 200 to 500 rpm may be used.

[39 FR 13372, Apr. 12, 1974, as amended at 40 FR 27454, June 30, 1975]

§ 417.152 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 normal operation of spray drying towers as defined above, the following values pertain:

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 anhydrous product)	
BOD5	0.03	0.01
COD	0.15	.05
TSS	0.03	.01
Surfactants	0.06	.02
Oil and grease	0.015	.005
pH	(1)	(1)
	English units (pounds per 1,000 lb of anhydrous product)	
BOD5	0.03	0.01
COD	0.15	.05
TSS	0.03	.01
Surfactants	0.06	.02
Oil and grease	0.015	.005
pH	(1)	(1)

[1] Within the range 6.0 to 9.0.

(b) For air quality restricted operation of a spray drying tower, but only when a high rate of wet scrubbing is in operation which produces more waste water than can be recycled to process, the following values pertain:

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 anhydrous product)	
BOD5	0.24	0.03
COD	1.05	.35
TSS	0.30	.10
Surfactants	0.45	.15
Oil and grease	0.09	.03
pH	(1)	(1)
	English units (pounds per 1,000 lb of anhydrous product)	
BOD5	0.24	0.08
COD	1.05	.35
TSS	0.30	.10
Surfactants	0.45	.15
Oil and grease	0.09	.03
pH	(1)	(1)

[1] Within the range 6.0 to 9.0.

(c) For fast turnaround operation of a spray tower, the following values pertain: The maximum for any one day when the number of turnarounds exceeds six in any particular thirty consecutive day period shall be the sum of the appropriate value below and that from paragraph (a) or (b) of this section; and the average of daily values for thirty consecutive days shall be the value shown below multiplied by the number of turnarounds in excess of six and prorated to thirty days plus the appropriate value from paragraph (a) or (b) of this section.

Effluent characteristic	Effluent limitations
	Metric units (kilograms per 1,000 kg of anhydrous product)
BOD*5*	0.02.
COD	0.09.
TSS	0.02.
Surfactants	0.03.
Oil and grease	0.005.
pH	(1)
	English units (pounds per 1,000 lb of anhydrous product)
BOD*5*	0.02.
COD	0.09.
TSS	0.02.
Surfactants	0.03.
Oil and grease	0.005.
pH	(1)

[1] Within the range 6.0 to 9.0.

[39 FR 13372, Apr. 12, 1974, as amended at 60 FR 33955, June 29, 1995]

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

The following limitations establish the quantity or quality of pollutants or pollutant properties, controlled by this section, which may be discharged by a point source subject to the provisions of this subpart after application of the best available technology economically achievable:

(a) For normal operation of spray drying towers as defined above, the following values pertain:

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 anhydrous product)	
BOD*5*	0.02	0.01
COD	0.08	.04
TSS	0.04	.02
Surfactants	0.04	.02
Oil and grease	0.01	.005
pH	(1)	(1)
	English units (pounds per 1,000 lb of anhydrous product)	
BOD*5*	0.02	0.01
COD	0.08	.04
TSS	0.04	.02
Surfactants	0.04	.02
Oil and grease	0.01	.005
pH	(1)	(1)

[1] Within the range 6.0 to 9.0.

(b) For air quality restricted operation of a spray drying tower, but only when a high rate of wet scrubbing is in operation which produces more waste water than can be recycled to process, the following values pertain:

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 anhydrous product)	
BOD*5*	0.12	0.06
COD	0.50	.25
TSS	0.14	.07
Surfactants	0.20	.10
Oil and grease	0.04	.02
pH	(1)	(1)
	English units (pounds per 1,000 lb of anhydrous product)	
BOD*5*	0.12	0.06
COD	0.50	.25
TSS	0.14	.07
Surfactants	0.20	.10
Oil and grease	0.04	.02
pH	(1)	(1)

[1] Within the range 6.0 to 9.0.

(c) For fast turnaround operation of a spray tower, the following values pertain: The maximum for any one day when the number of turnarounds exceeds six in any particular thirty consecutive day period shall be the sum of the appropriate value below and that