Subpart A—Tire and Inner Tube Plants Subcategory

§ 428.10 Applicability; description of the tire and inner tube plants subcategory.

The provisions of this subpart are applicable to discharges of process wastewater pollutants resulting from the production of pneumatic tires and inner tubes in tire and inner tube plants.

[40 FR 18173, Apr. 25, 1975]

§ 428.11 Specialized definitions.

For the purpose of this subpart:

(a) Except as provided below, the general definitions, abbreviations and methods of analysis set forth in 40 CFR part 401 shall apply to this subpart.

(b) The term ''raw material'' shall mean all natural and synthetic rubber, carbon black, oils, chemical compounds, fabric and wire used in the manufacture of pneumatic tires and inner tubes or components thereof.

(c) The term ''process waste water'' shall mean, in the case of tire and inner tube plants constructed before 1959, discharges from the following: Soapstone solution applications; steam cleaning operations; air pollution control equipment; unroofed process oil unloading areas; mold cleaning operations; latex applications; and air compressor receivers. Discharges from other areas of such plants shall not be classified as process waste water for the purposes of this section.

(d) Except as provided in paragraphs (c) and (e) of this section, the term ''process waste water'' shall have the meaning set forth in § 401.11(q) of this chapter.

(e) Water used only for tread cooling shall be classified as ''nonprocess waste water.''

[39 FR 6662, Feb. 21, 1974, as amended at 40 FR 18173, Apr. 25, 1975]

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

(a) 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):

Effluent characteristic	Effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days shall not exceed—
	Metric units (kg/kkg of raw material)	
TSS	0.096	0.064
Oil and grease	0.024	.016
pH	(1)	(1)
	English units (lb/1,000 lb of raw material)	
TSS	0.096	0.064
Oil and grease	0.024	.016
pH	(1)	(1)

[1] Within the range 6.0 to 9.0.

(b) All plants constructed before 1959 shall employ the best practicable maintenance and housekeeping practices in order to minimize the discharge of oil and grease in nonprocess waste waters. The concentration of oil and grease in discharges of nonprocess waste water shall meet the following limitations:

(1) The average of daily values for 30 consecutive days shall not exceed 5 mg/l.

(2) The maximum for any one day shall not exceed 10 mg/l.

[39 FR 6662, Feb. 21, 1974; 39 FR 26423, July 19, 1974, as amended at 40 FR 18173, Apr. 25, 1975; 60 FR 33963, June 29, 1995]

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

(a) 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:

Effluent characteristic	Effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days shall not exceed—
	Metric units (kg/kkg of raw material)	
TSS	0.096	0.064
Oil and grease	0.024	.016
pH	(1)	(1)
	English units (lb/1,000 lb of raw material)	
TSS	0.096	0.064
Oil and grease	0.024	.016
pH	(1)	(1)

[1] Within the range 6.0 to 9.0.

(b) All plants constructed before 1959 shall employ the best available maintenance and housekeeping practices in order to minimize the discharge of oil and grease in nonprocess waste waters. The concentration of oil and grease in discharges of nonprocess waste waters shall meet the following limitations:

(1) The average of daily values for 30 consecutive days shall not exceed 5 mg/l.

(2) The maximum for any one day shall not exceed 10 mg/l.

[39 FR 6662, Feb. 21, 1974; 39 FR 26423, July 19, 1974, as amended at 40 FR 18173, Apr. 25, 1975]

§ 428.14 [Reserved]

§ 428.15 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 (kg/kkg of raw material)	
TSS	0.096	180.064
Oil and grease	0.024	.016
pH	(1)	(1)
	English units (lb/1,000 lb of raw material)	
TSS	0.096	0.064
Oil and grease	0.024	.016
pH	(1)	(1)

[1] Within the range 6.0 to 9.0.

[39 FR 6662, Feb. 21, 1974; 39 FR 26423, July 19, 1974]

§ 428.16 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 33963, June 29, 1995]

Subpart B—Emulsion Crumb Rubber Subcategory

§ 428.20 Applicability; description of the emulsion crumb rubber subcategory.

The provisions of this subpart are applicable to discharges of pollutants resulting from the manufacture of emulsion crumb rubber, other than acrylonitrilebutadiene rubber.

[40 FR 18173, Apr. 25, 1975]

§ 428.21 Specialized definitions.

For the purpose of this subpart:

(a) Except as provided below, the general definitions, abbreviations and methods of analysis set forth in 40 CFR part 401 shall apply to this subpart.

[39 FR 6662, Feb. 21, 1974, as amended at 40 FR 18173, Apr. 25, 1975]

§ 428.22 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):

Effluent characteristic	Effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days shall not exceed—
	Metric units (kg/kkg of product)	
COD	12.00	8.00
BOD*5*	0.60	.40
TSS	0.98	.65
Oil and grease	0.24	.16
pH	(1)	(1)
	English units (lb/1,000 lb of product)	
COD	12.00	8.00
BOD*5*	0.60	.40
TSS	0.98	.65
Oil and grease	0.24	.16
pH	(1)	(1)

[1] Within the range 6.0 to 9.0.

[39 FR 6662, Feb. 21, 1974, as amended at 60 FR 33963, June 29, 1995]

§ 428.23 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:

Effluent characteristic	Effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days shall not exceed—
	Metric units (kg/kkg of product)	
COD	3.12	2.08
BOD*5*	0.12	.08
TSS	0.24	.16
Oil and grease	0.12	.08
pH	(1)	(1)
	English units (lb/1,000 lb of product)	
COD	3.12	2.08
BOD*5*	0.12	.08
TSS	0.24	.16
Oil and grease	0.12	.08
pH	(1)	(1)

[1] Within the range 6.0 to 9.0.

§ 428.24 [Reserved]

§ 428.25 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: The limitations shall be as specified in § 428.22.

Subpart C—Solution Crumb Rubber Subcategory

§ 428.30 Applicability; description of the solution crumb rubber subcategory.

The provisions of this subpart are applicable to discharges of pollutants resulting from the manufacture of crumb rubber.

§ 428.31 Specialized definitions.

For the purpose of this subpart:

(a) Except as provided below, the general definitions, abbreviations and methods of analysis set forth in 40 CFR part 401 shall apply to this subpart.

[39 FR 6662, Feb. 21, 1974, as amended at 40 FR 18173, Apr. 25, 1975]

§ 428.32 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):

Effluent characteristic	Effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days shall not exceed—
	Metric units (kg/kkg of product)	
COD	5.91	3.94
BOD*5*	0.60	.40
TSS	0.98	.65
Oil and grease	0.24	.16
pH	(1)	(1)
	English units (lb/1,000 lb of product)	
COD	5.91	3.94
BOD*5*	0.60	.40
TSS	0.98	.65
Oil and grease	0.24	.16
pH	(1)	(1)

[1] Within the range 6.0 to 9.0.

[39 FR 6662, Feb. 21, 1974, as amended at 60 FR 33963, June 29, 1995]

§ 428.33 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:

Effluent characteristic	Effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days shall not exceed—
	Metric units (kg/kkg of product)	
COD	3.12	2.08
BOD*5*	0.12	.08
TSS	0.24	.16
Oil and grease	0.12	.08
pH	(1)	(1)
	English units (lb/1,000 lb of product)	
COD	3.12	2.08
BOD*5*	0.12	.08
TSS	0.24	.16
Oil and grease	0.12	.08
pH	(1)	(1)

[1] Within the range 6.0 to 9.0.

§ 428.34 [Reserved]

§ 428.35 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: The limitations shall be as specified in § 428.32.

Subpart D—Latex Rubber Subcategory

§ 428.40 Applicability; description of the latex rubber subcategory.

The provisions of this subpart are applicable to discharges of pollutants resulting from the manufacture of latex rubber.

§ 428.41 Specialized definitions.

For the purpose of this subpart:

(a) Except as provided below, the general definitions, abbreviations and methods of analysis set forth in 40 CFR part 401 shall apply to this subpart.

[39 FR 6662, Feb. 21, 1974, as amended at 40 FR 18173, Apr. 25, 1975]

§ 428.42 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):

Effluent characteristic	Effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days shall not exceed—
	Metric units (kg/kkg of product)	
COD	10.27	6.85
BOD*5*	0.51	.34
TSS	0.82	.55
Oil and grease	0.21	.14
pH	(1)	(1)
	English units (lb/1,000 lb of product)	
COD	10.27	6.85
BOD*5*	0.51	.34
TSS	0.82	.55
Oil and grease	0.21	.14
pH	(1)	(1)

[1] Within the range 6.0 to 9.0.

[39 FR 6662, Feb. 21, 1974, as amended at 60 FR 33963, June 29, 1995]

§ 428.43 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:

Effluent characteristic	Effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days shall not exceed—
	Metric units (kg/kkg of product)	
COD	2.66	1.78
BOD*5*	0.11	.07
TSS	0.21	.14
Oil and grease	0.11	.07
pH	(1)	(1)
	English units (lb/1,000 lb of product)	
COD	2.66	1.78
BOD*5*	0.11	.07
TSS	0.21	.14
Oil and grease	0.11	.07
pH	(1)	(1)

[1] Within the range 6.0 to 9.0.

§ 428.44 [Reserved]

§ 428.45 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 point source subject to the provisions of this subpart: The limitations shall be as specified for § 428.42.

§ 428.46 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 33963, June 29, 1995]

Subpart E—Small-Sized General Molded, Extruded, and Fabricated Rubber Plants Subcategory

SOURCE: 40 FR 2336, Jan. 10, 1975, unless otherwise noted.

§ 428.50 Applicability; description of the small-sized general molded, extruded, and fabricated rubber plants subcategory.

The following provisions of this subpart are applicable to process waste water discharges resulting from the

production of molded, extruded, and fabricated rubber products, foam rubber backing, rubber cement-dipped goods, and retreaded tires by small-sized plants. Specifically excluded from the provisions of this subpart are the discharges resulting from the production of latex-based products, tires and inner tubes, and those discharges from textile plants subject to the provisions of part 410 of this chapter.

§ 428.51 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 ''raw material'' shall mean all natural and synthetic rubber, carbon black, oils, chemical compounds, and fabric used in the manufacture of general molded, extruded, and fabricated rubber products.

(c) The term ''raw material equivalent'' shall be equal to the raw material usage multiplied by the volume of air scrubbed via wet scrubbers divided by the total volume of air scrubbed.

(d) The term ''small-sized plants'' shall mean plants which process less than 3,720 kg/day (8,200 lbs/day) of raw materials.

§ 428.52 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) 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 practicable control technology currently available:

Effluent characteristic	Effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days shall not exceed—
	Metric units (kg/kkg of raw material)	
Oil and grease	0.70	0.25
TSS	1.28	0.64
pH	(1)	(1)
	English units (lb/1,000 lb of raw material)	
Oil and grease	0.70	0.25
TSS	1.28	0.65
pH	(1)	(1)

[1] Within the range 6.0 to 9.0.

(b) The following limitations establish the quantity or quality of pollutants or pollutant properties, controlled by this section, and attributable to lead-sheathed hose production, which may be discharged by a point source subject to the provisions of this subpart after application of the best practicable control technology currently available, in addition to the limitations set forth by § 428.52(a):

Effluent characteristic	Effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days shall not exceed—
	Metric units (kg/kkg of raw material)	
Lead	0.0017	0.0007
	English units (lb/1,000 lb of raw material)	
Lead	0.0017	0.0007

(c) The following limitations establish the quantity or quality of pollutants or pollutant properties, controlled by this section, and attributable to wet scrubbers, which may be discharged by a point source subject to the provisions of this subpart after application of the best practicable control technology currently available, in addition to the limitations set forth by § 428.52(a):

Effluent characteristic	Effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days shall not exceed—
	Metric units (kg/kkg of raw material equivalent)	
TSS	5.8	2.9
	English units (lb/1,000 lb of raw material equivalent)	
TSS	5.8	2.9

[40 FR 2336, Jan. 10, 1975, as amended at 60 FR 33963, June 29, 1995]

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

(a) 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:

Effluent characteristic	Effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days shall not exceed—
	Metric units (kg/kkg of raw material)	
Oil and grease	0.70	0.25
TSS	1.28	0.64
pH	(1)	(1)
	English units (lb/1,000 lb of raw material)	
Oil and grease	0.70	0.25
TSS	1.28	0.64
pH	(1)	(1)

[1] Within the range 6.0 to 9.0.

(b) The following limitations establish the quantity or quality of pollutants or pollutant properties, controlled by this section, and attributable to lead-sheathed hose production, which may be discharged by a point source subject to the provisions of this subpart after application of the best available technology economically achievable, in addition to the limitations set forth by § 428.53(a):

Effluent characteristic	Effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days shall not exceed—
	Metric units (kg/kkg of raw material)	
Lead	0.0017	0.0007
	English units (lb/1,000 lb of raw material)	
Lead	0.0017	0.0007

(c) The following limitations establish the quantity or quality of pollutants or pollutant properties, controlled by this section, and attributable to wet scrubbers, which may be discharged by a point source subject to the provisions of this subpart after application of the best available technology economically achievable, in addition to the limitations set forth by § 428.53(a):

Effluent characteristic	Effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days shall not exceed—
	Metric units (kg/kkg of raw material equivalent)	
TSS	1.0	0.5
	English units (lb/1,000 lb of raw material equivalent)	
TSS	1.0	0.5

§ 428.54 [Reserved]

§ 428.55 Standards of performance for new sources.

(a) 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 (kg/kkg of raw material)	
Oil and grease	0.70	0.25
TSS	1.28	0.64
pH	(1)	(1)
	English units (lb/1,000 lb of raw material)	
Oil and grease	0.70	0.25
TSS	1.28	0.64
pH	(1)	(1)

[1] Within the range 6.0 to 9.0.

(b) The following standards of performance establish the quantity or quality of pollutants or pollutant properties, controlled by this section, and attributable to lead-sheathed hose production, which may be discharged by a new source subject to the provisions of this subpart, in addition to the limitations set forth by § 428.55(a):

Effluent characteristic	Effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days shall not exceed—
	Metric units (kg/kkg of raw material)	
Lead	0.0017	0.0007
	English units (lb/1,000 lb of raw material)	
Lead	0.0017	0.0007

§ 428.56 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, in addition to the limitations set forth in paragraphs (a) and (b) of this section.

(a) 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 new point source subject to the provisions of this subpart:

Pollutant or pollutant property	Pretreatment standard
pH	No limitation.
TSS	Do.
Oil and grease	100 mg/l daily maximum.

(b) The following pretreatment standard establishes the quantity or quality of pollutants or pollutant properties, controlled by this section, and attributable to lead-sheathed hose production, which may be discharged to a publicly owned treatment works by a new point source subject to the provisions of this subpart, in addition to the limitations set forth by § 428.56(a):

Pollutant or pollutant property	Pretreatment standards	
	Maximum for any 1 day	Average of daily values for thirty consecutive days shall not exceed—
	Metric units (kg/kkg of raw material)	
Lead	0.0017	0.0007
	English units (lb/1,000 lb of raw material)	
Lead	0.0017	0.0007

[40 FR 2336, Jan. 10, 1975, as amended at 60 FR 33963, June 29, 1995]

Subpart F—Medium-Sized General Molded, Extruded, and Fabricated Rubber Plants Subcategory

SOURCE: 40 FR 2338, Jan. 10, 1975, unless otherwise noted.

§ 428.60 Applicability; description of the medium-sized general molded, extruded, and fabricated rubber plants subcategory.

The following provisions of this subpart are applicable to process waste water discharges resulting from the production of molded, extruded, and fabricated rubber products, foam rubber backing, rubber cement-dipped goods, and retreaded tires by medium-sized plants. Specifically excluded from the provisions of this subpart are the discharges resulting from the production of latex-based products, tires and inner tubes, and those discharges from

textile plants subject to the provisions of part 410 of this chapter.

§ 428.61 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 ''raw material'' shall mean all natural and synthetic rubber, carbon black, oils, chemical compounds, and fabric used in the manufacture of general molded, extruded, and fabricated rubber products.

(c) The term ''raw material equivalent'' shall be equal to the raw material usage multiplied by the volume of air scrubbed via wet scrubbers divided by the total volume of air scrubbed.

(d) The term ''medium-sized plants'' shall mean plants which process between 3,720 kg/day (8,200 lbs/day) and 10,430 kg/day (23,000 lbs/day) of raw materials.

§ 428.62 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) 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 practicable control technology currently available:

Effluent characteristic	Effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days shall not exceed—
	Metric units (kg/kkg of raw material)	
Oil and grease	0.42	0.15
TSS	0.80	0.40
pH	(1)	(1)
	English units (lb/1,000 lb of raw material)	
Oil and grease	0.42	0.15
TSS	0.80	0.40
pH	(1)	(1)

[1] Within the range 6.0 to 9.0.

(b) The following limitations establish the quantity or quality of pollutants or pollutant properties, controlled by this section, and attributable to leadsheathed hose production, which may be discharged by a point source subject to the provisions of this subpart after application of the best practicable control technology currently available, in addition to the limitations set forth by § 428.62(a):

Effluent characteristic	Effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days shall not exceed—
	Metric units (kg/kkg of raw material)	
Lead	0.0017	0.0007
	English units (lb/1,000 lb of raw material)	
Lead	0.0017	0.0007

(c) The following limitations establish the quantity or quality of pollutants or pollutant properties, controlled by this section, and attributable to wet scrubbers, which may be discharged by a point source subject to the provisions of this subpart after application of the best practicable control technology currently available, in addition to the limitations set forth by § 428.62(a):

Effluent characteristic	Effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days shall not exceed—
	Metric units (kg/kkg of raw material equivalent)	
TSS	5.8	2.9
	English units (lb/1,000 lb of raw material equivalent)	
TSS	5.8	2.9

[40 FR 2338, Jan. 10, 1975, as amended at 60 FR 33963, June 29, 1995]

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

(a) 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:

Effluent characteristic	Effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days shall not exceed—
	Metric units (kg/kkg of raw material)	
Oil and grease	0.42	0.15
TSS	0.80	0.40
pH	(1)	(1)
	English units (lb/1,000 lb of raw material)	
Oil and grease	0.42	0.15
TSS	0.80	0.40
pH	(1)	(1)

[1] Within the range 6.0 to 9.0.

(b) The following limitations establish the quantity or quality of pollutants or pollutant properties, controlled by this section, and attributable to lead-sheathed hose production, which may be discharged by a point source subject to the provisions of this subpart after application of the best available technology economically achievable, in addition to the limitations set forth by § 428.63(a):

Effluent characteristic	Effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days shall not exceed—
	Metric units (kg/kkg of raw material)	
Lead	0.0017	0.0007
	English units (lb/1,000 lb of raw material)	
Lead	0.0017	0.0007

(c) The following limitations establish the quantity or quality of pollutants or pollutant properties, controlled by this section, and attributable to wet scrubbers, which may be discharged by a point source subject to the provisions of this subpart after application of the best available technology economically achievable, in addition to the limitations set forth by § 428.63:

Effluent characteristic	Effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days shall not exceed—
	Metric units (kg/kkg of raw material equivalent)	
TSS	1.0	0.5
	English units (lb/1,000 lb of raw material equivalent)	
TSS	1.0	0.5

§ 428.64 [Reserved]

§ 428.65 Standards of performance for new sources.

(a) 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 (kg/kkg of raw material)	
Oil and grease	0.42	0.15
TSS	0.80	0.40
pH	(1)	(1)
	English units (lb/1,000 lb of raw material)	
Oil and grease	0.42	0.0
TSS	0.80	0.4
pH	(1)	(1)

[1] Within the range 6.0 to 9.0.

(b) The following standards of performance establish the quantity or quality of pollutants or pollutant properties, controlled by this section, and attributable to lead-sheathed hose production, which may be discharged by a new source subject to the provisions of this subpart, in addition to the limitations set forth by § 428.65(a):

Effluent characteristic	Effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days shall not exceed—
	Metric units (kg/kkg of raw material)	
Lead	0.0017	0.0007
	English units (lb/1,000 lb of raw material)	
Lead	0.0017	0.0007

§ 428.66 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, in addition to the limitations set forth in paragraphs (a) and (b) of this section.

(a) 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 new point source subject to the provisions of this subpart:

Pollutant or pollutant property	Pretreatment standard
pH	No limitation.
TSS	Do.
Oil and grease	100 mg/l daily maximum.

(b) The following pretreatment standard establishes the quantity or quality of pollutants or pollutant properties, controlled by this section, and attributable to lead-sheathed hose production, which may be discharged to a publicly owned treatment works by a new point source subject to the provisions of this subpart, in addition to the limitations set forth by § 428.66(a):

Pollutant or pollutant property	Pretreatment standards	
	Maximum for any 1 day	Average of daily values for thirty consecutive days shall not exceed—
	Metric units (kg/kkg of raw material)	
Lead	0.0017	0.0007
	English units (lb/1,000 lb of raw material)	
Lead	0.0017	0.0007

[40 FR 2338, Jan. 10, 1975, as amended at 60 FR 33963, June 29, 1995]

Subpart G—Large-Sized General Molded, Extruded, and Fabricated Rubber Plants Subcategory

SOURCE: 40 FR 2340, Jan. 10, 1975, unless otherwise noted.

§ 428.70 Applicability; description of the large-sized general molded, extruded, and fabricated rubber plants subcategory.

The following provisions of this subpart are applicable to process waste water discharges resulting from the production of molded, extruded, and fabricated rubber products, foam rubber backing, rubber cement-dipped goods, and retreaded tires by large-sized plants. Specifically excluded from the provisions of this subpart are the discharges resulting from the production of latex-based products, tires and inner tubes, and those discharges from

textile plants subject to the provisions of part 410 of this chapter.

§ 428.71 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 ''raw material'' shall mean all natural and synthetic rubber, carbon black, oils, chemical compounds, and fabric used in the manufacture of general molded, extruded, and fabricated rubber products.

(c) The term ''raw material equivalent'' shall be equal to the raw material usage multiplied by the volume of air scrubbed via wet scrubbers divided by the total volume of air scrubbed.

(d) The term ''large-sized plants'' shall mean plants which process more than 10,430 kg/day (23,000 lbs/day) of raw materials.

§ 428.72 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) 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 practicable control technology currently available:

Effluent characteristic	Effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days shall not exceed—
	Metric units (kg/kkg of raw material)	
Oil and grease	0.26	0.093
TSS	0.50	0.25
pH	(1)	(1)
	English units (lb/1,000 lb of raw material)	
Oil and grease	0.26	0.093
TSS	0.50	0.25
pH	(1)	(1)

[1] Within the range 6.0 to 9.0.

(b) The following limitations establish the quantity or quality of pollutants or pollutant properties, controlled by this section, and attributable to lead-sheathed hose production, which may be discharged by a point source subject to the provisions of this subpart after application of the best practicable control technology currently available, in addition to the limitations set forth by § 428.72(a):

Effluent characteristic	Effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days shall not exceed—
	Metric units (kg/kkg of raw material)	
Lead	0.0017	0.0007
	English units (lb/1,000 lb of raw material)	
Lead	0.0017	0.0007

(c) The following limitations establish the quantity or quality of pollutants or pollutant properties, controlled by this section, and attributable to wet scrubbers, which may be discharged by a point source subject to the provisions of this subpart after application of the best practicable control technology

currently available, in addition to the limitations set forth by § 428.72(a):

Effluent characteristic	Effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days shall not exceed—
	Metric units (kg/kkg of raw material equivalent)	
Lead	5.8	2.9
	English units (lb/1,000 lb of raw material equivalent)	
Lead	5.8	2.9

[40 FR 2340, Jan. 10, 1975, as amended at 60 FR 33963, June 29, 1995]

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

(a) 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:

Effluent characteristic	Effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days shall not exceed—
	Metric units (kg/kkg of raw material)	
Oil and grease	0.26	0.093
TSS	0.50	0.25
pH	(1)	(1)
	English units (lb/1,000 lb of raw material)	
Oil and grease	0.26	0.093
TSS	0.50	0.25
pH	(1)	(1)

1 Within the range 6.0 to 9.0.

(b) The following limitations establish the quantity or quality of pollutants or pollutant properties, controlled by this section, and attributable to lead-sheathed hose production, which may be discharged by a point source subject to the provisions of this subpart after application of the best available technology economically achievable, in addition to the limitations set forth by § 428.73(a):

Effluent characteristic	Effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days shall not exceed—
	Metric units (kg/kkg of raw material)	
Lead	0.0017	0.0007
	English units (lb/1,000 lb of raw material)	
Lead	0.0017	0.0007

(c) The following limitations establish the quantity or quality of pollutants or pollutant properties, controlled by this section, and attributable to wet scrubbers, which may be discharged by a point source subject to the provisions of this subpart after application of the best available technology economically achievable, in addition to the limitations set forth by § 428.73(a):

Effluent characteristic	Effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days shall not exceed—
	Metric units (kg/kkg of raw material equivalent)	
Lead	1.0	0.5
	English units (lb/1,000 lb of raw material equivalent)	
Lead	1.0	0.5

§ 428.74 [Reserved]

§ 428.75 Standards of performance for new sources.

(a) 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 (kg/kkg of raw material)	
Oil and grease	0.26	0.093
TSS	0.50	0.25
pH	(1)	(1)
	English units (lb/1,000 lb of raw material)	
Oil and grease	0.26	0.093
TSS	0.50	0.25
pH	(1)	(1)

[1] Within the range 6.0 to 9.0.

(b) The following standards of performance establish the quantity or quality of pollutants or pollutant properties, controlled by this section and attributable to lead-sheathed hose production, which may be discharged by a new source subject to the provisions of this subpart, in addition to the limitations set forth by § 428.75(a):

Effluent characteristic	Effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days shall not exceed—
	Metric units (kg/kkg of raw material)	
Lead	0.0017	0.0007
	English units (lb/1,000 lb of raw material)	
Lead	0.0017	0.0007

§ 428.76 Pretreatment standards for new sources.

Any new source subject to this subpart that introduces process wastewater pollutants into a publicly owned treatment works must comply with 40 CFR part 403, in addition to the limitations set forth in paragraphs (a) and (b) of this section.

(a) 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 new point source subject to the provisions of this subpart:

Pollutant or pollutant property	Pretreatment standard
pH	No limitation.
TSS	Do.
Oil and grease	100 mg/l daily maximum.

(b) The following pretreatment standard establishes the quantity or quality of pollutants or pollutant properties controlled by this section, and attributable to lead-sheathed hose production, which may be discharged to a publicly owned treatment works by a new point source subject to the provisions of this subpart, in addition to the limitations set forth by § 428.76(a):

Effluent characteristic	Effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days shall not exceed—
	Metric units (kg/kkg of raw material)	
Lead	0.0017	0.0007
	English units (lb/1,000 lb of raw material)	
Lead	0.0017	0.0007

[40 FR 2340, Jan. 10, 1975, as amended at 60 FR 33963, June 29, 1995]

Subpart H—Wet Digestion Reclaimed Rubber Subcategory

SOURCE: 40 FR 2341, Jan. 10, 1975, unless otherwise noted.

§ 428.80 Applicability; description of the wet digestion reclaimed rubber subcategory.

The provisions of this subpart are applicable to process waste water discharges resulting from the production of reclaimed rubber by use of the wet digestion process.

§ 428.81 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.

§ 428.82 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):

Effluent characteristic	Effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days shall not exceed—
	Metric units (kg/kkg of product)	
COD	14.7	6.11
Oil and grease	0.40	0.144
TSS	1.04	0.52
pH	(1)	(1)
	English units (lb/1,000 lb of product)	
COD	14.7	6.11
Oil and grease	0.40	0.144
TSS	1.04	0.52
pH	(1)	(1)

[1] Within the range 6.0 to 9.0.

[40 FR 2341, Jan. 10, 1975, as amended at 60 FR 33963, June 29, 1995]

§ 428.83 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:

Effluent characteristic	Effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days shall not exceed—
	Metric units (kg/kkg of product)	
COD	14.7	6.11
Oil and grease	0.40	0.144
TSS	1.04	0.52
pH	(1)	(1)
	English units (lb/1,000 lb of product)	
COD	14.7	6.11
Oil and grease	0.40	0.144
TSS	1.04	0.52
pH	(1)	(1)

[1] Within the range 6.0 to 9.0.

§ 428.84 [Reserved]

§ 428.85 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 (kg/kkg of product)	
COD	14.7	6.11
Oil and grease	0.40	0.144
TSS	1.04	0.52
pH	(1)	(1)
	English units (lb/1,000 lb of product)	
COD	14.7	6.11
Oil and grease	0.40	0.144
TSS	1.04	0.52
pH	(1)	(1)

[1] Within the range 6.0 to 9.0.

§ 428.86 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. 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 new point source subject to the provisions of this subpart:

Pollutant or pollutant property	Pretreatment standards	
	Maximum for any 1 day	Average of daily values for 30 consecutive days shall not exceed—
	Metric units (kg/kkg of product)	
COD	14.7	6.11
Oil and grease	(1)	(1)
TSS	(2)	(2)
pH	(2)	(2)
	English units (lb/1,000 lb of product)	
COD	14.7	6.11
Oil and grease	(1)	(1)
TSS	(2)	(2)
pH	(2)	(2)

[1] 100 mg/l.
[2] No limitation.

[40 FR 2341, Jan. 10, 1975, as amended at 60 FR 33964, June 29, 1995]

Subpart I—Pan, Dry Digestion, and Mechanical Reclaimed Rubber Subcategory

SOURCE: 40 FR 2342, Jan. 10, 1975, unless otherwise noted.

§ 428.90 Applicability; description of the pan, dry digestion, and mechanical reclaimed rubber subcategory.

The provisions of this subpart are applicable to process waste water discharges resulting from the production of reclaimed rubber except when produced by the wet digestion process.

§ 428.91 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.

§ 428.92 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) 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 practicable control technology currently available:

Effluent characteristic	Effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days shall not exceed—
	Metric units (kg/kkg of product)	
Oil and grease	0.40	0.144
TSS	0.384	0.192
pH	(1)	(1)
	English units (lb/1,000 lb of product)	
Oil and grease	0.40	0.144
TSS	0.384	0.192
pH	(1)	(1)

[1] Within the range 6.0 to 9.0.

(b) The following limitations establish the quantity or quality of pollutants or pollutant properties, controlled by this section and attributable to pan, dry digestion, and mechanical reclaimed rubber processes which are integrated with a wet digestion reclaimed process, which may be discharged by a point source subject to the provisions of this subpart after application of the best practicable control technology currently available, in addition to the limitations set forth by § 428.92(a):

Effluent characteristic	Effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days shall not exceed—
	Metric units (kg/kkg of product)	
COD	6.7	2.8
	English units (lb/1,000 lb of product)	
COD	6.7	2.8

[40 FR 2342, Jan. 10, 1975, as amended at 60 FR 33964, June 29, 1995]

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

(a) 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:

Effluent characteristic	Effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days shall not exceed—
	Metric units (kg/kkg of product)	
Oil and grease	0.40	0.144
TSS	0.384	0.192
pH	(1)	(1)
	English units (lb/1,000 lb of product)	
Oil and grease	0.40	0.144
TSS	0.384	0.192
pH	(1)	(1)

[1] Within the range 6.0 to 9.0.

(b) The following limitations establish the quantity or quality of pollutants or pollutant properties, controlled by this section, and attributable to pan, dry digestion, and mechanical reclaimed rubber processes which are integrated with a wet digestion reclaimed rubber process, which may be discharged by a point source subject to the provisions of this subpart after application of the best available technology economically achievable in addition to the limitations set forth by § 428.93(a):

Effluent characteristic	Effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days shall not exceed—
	Metric units (kg/kkg of product)	
COD	6.7	2.8
	English units (lb/1,000 lb of product)	
COD	6.7	2.8

§ 428.94 [Reserved]

§ 428.95 Standards of performance for new sources.

(a) 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 (kg/kkg of product)	
Oil and grease	0.40	0.144
TSS	0.384	0.192
pH	(1)	(1)
	English units (lb/1,000 lb of product)	
Oil and grease	0.40	0.144
TSS	0.384	0.192
pH	(1)	(1)

[1] Within the range 6.0 to 9.0.

(b) The following standards of performance establish the quantity or quality of pollutants or pollutant properties, controlled by this section and attributable to pan, dry digestion, and mechanical reclaimed rubber processes which are integrated with a wet digestion reclaimed rubber process, which may be discharged by a new source subject to the provisions of this subpart,

in addition to the limitations set forth by § 428.95:

Effluent characteristic	Effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days shall not exceed—
	Metric units (kg/kkg of product)	
COD	6.7	2.8
	English units (lb/1,000 lb of product)	
COD	6.7	2.8

§ 428.96 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, in addition to the limitations set forth in paragraphs (a) and (b) of this section.

(a) 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 new point source subject to the provisions of this subpart:

Pollutant or pollutant property	Pretreatment standard
pH	No limitation.
TSS	Do.
Oil and grease	100 mg/l daily maximum.

(b) The following pretreatment standard establishes the quantity or quality or pollutant properties controlled by this section and attributable to pan, dry digestion, and mechanical reclaimed rubber processes which are integrated with a wet digestion reclaimed rubber process, which may be discharged to a publicly owned treatment works by a new point source subject to the provisions of this subpart, in addition to the limitations set forth by § 428.96(a):

Pollutant or pollutant property	Pretreatment standards	
	Maximum for any 1 day	Average of daily values for 30 consecutive days shall not exceed—
	Metric units (kg/kkg of product)	
COD	6.7	2.8
	English units (lb/1,000 lb of product)	
COD	6.7	2.8

[40 FR 2342, Jan. 10, 1975, as amended at 60 FR 33964, June 29, 1995]

Subpart J—Latex-Dipped, Latex-Extruded, and Latex-Molded Rubber Subcategory

SOURCE: 40 FR 2344, Jan. 10, 1975, unless otherwise noted.

§ 428.100 Applicability; description of the latex-dipped, latex-extruded, and latex-molded rubber subcategory.

The provisions of this subpart are applicable to process waste water discharges resulting from the manufacture of latex-dipped, latex-extruded, and latex-molded products with the exception of those discharges from textile plants subject to the provisions of part 410 of this chapter.

§ 428.101 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 ''chromium'' shall mean total chromium.

(c) The term ''raw material'' shall mean all latex solids used in the manufacture of latex-dipped, latex-extruded, and latex-molded products.