

**Environmental Protection Agency**

**§ 415.222**

**SUBPART T—SODIUM SULFITE**

Pollutant or pollutant property	PSNS effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days
	Milligrams per liter (mg/l)	
Chromium (total) .....	1.3	0.42
Zinc (total) .....	3.4	1.2
COD .....	1,260	630

In cases when POTWs find it necessary to impose mass limitations, the following equivalent mass limitations are provided as an alternate: The limitations on chromium (total), zinc (total), and COD are the same as specified in § 415.205.

[49 FR 33421, Aug. 22, 1984]

**§ 415.207 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 40 CFR 125.30 through 125.32 any existing point source subject to this subpart must 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 for TSS and pH are the same as specified in § 415.202.

[49 FR 33421, Aug. 22, 1984]

**Subpart U—Sulfuric Acid Production Subcategory [Reserved]**

**Subpart V—Titanium Dioxide Production Subcategory**

**§ 415.220 Applicability; description of the titanium dioxide production subcategory.**

This subpart applies to discharges to waters of the United States and introduction of pollutants into publicly owned treatment works resulting from the production of titanium dioxide by the sulfate process, the chloride process, and the simultaneous beneficiation-chlorination (chloride-ilmenite) process.

**§ 415.221 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 *product* shall mean titanium dioxide.

**§ 415.222 Effluent limitations guidelines representing the degree of effluent reduction attainable by the application of the best practicable control technology currently available (BPT).**

(a) Except as provided in 40 CFR 125.30 through 125.32, any existing point source subject to this subpart and producing titanium dioxide by the sulfate process must achieve the following effluent limitations representing the degree of effluent reduction attainable by the application of the best practicable control technology currently available (BPT):

**SUBPART V—TITANIUM DIOXIDE-SULFATE PROCESS**

Pollutant or pollutant property	BPT effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days
	Kg/kg (or pounds per 1,000 lb) of product	
TSS .....	140	38
Chromium (T) .....	0.48	0.21
Nickel (T) .....	0.29	0.14
pH .....	(1)	(1)

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

(b) Except as provided for in 40 CFR 125.30 through 125.32, any existing point source subject to this subpart and producing titanium dioxide by the chloride process must achieve the following effluent limitations representing the degree of effluent reduction attainable by the application of the best practicable control technology currently available (BPT):

**§ 415.223**

**40 CFR Ch. I (7-1-06 Edition)**

**SUBPART V—TITANIUM DIOXIDE-CHLORIDE PROCESS**

Pollutant or pollutant property	BPT effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days
	Kg/kg (or pounds per 1,000 lb) of product	
TSS .....	23	6.4
Chromium (T) .....	0.057	0.030
pH .....	( <sup>1</sup> )	( <sup>1</sup> )

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

(c) Except as provided in 40 CFR 125.30 through 125.32, any existing point source subject to this subpart and producing titanium dioxide by the simultaneous beneficiation-chlorination (chloride/ilmenite) process must achieve the following effluent limitations representing the degree of effluent reduction attainable by the application of the best practicable control technology currently available (BPT):

**SUBPART V—TITANIUM DIOXIDE-CHLORIDE-ILMENITE PROCESS**

Pollutant or pollutant property	BPT effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days
	Kg/kg (or pounds per 1,000 lb) of product	
TSS .....	35	9.6
Chromium (T) .....	0.12	0.053
Nickel (T) .....	0.072	0.035
pH .....	( <sup>1</sup> )	( <sup>1</sup> )

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

[47 FR 28278, June 29, 1982, as amended at 47 FR 55227, Dec. 8, 1982]

**§ 415.223 Effluent limitations guidelines representing the degree of effluent reduction attainable by the application of the best available technology economically achievable (BAT).**

(a) Except as provided in 40 CFR 125.30 through 125.32, any existing point source subject to this subpart and producing titanium dioxide by the sulfate process must achieve the following effluent limitations representing the degree of effluent reduction attainable by the application of the best available technology economically achievable (BAT): The limitations are the same

for Chromium(T) and Nickel(T) as specified in § 415.222(a).

(b) Except as provided in 40 CFR 125.30 through 125.32, any existing point source subject to this subpart and producing titanium dioxide by the chloride process must achieve the following effluent limitations guidelines representing the degree of effluent reduction attainable by the application of the best available technology economically achievable (BAT): The limitations for Chromium(T) are the same as specified in § 415.222(b).

(c) Except as provided in 40 CFR 125.30 through 125.32, any existing point source subject to this subpart and producing titanium dioxide by the simultaneous beneficiation-chlorination (chloride-ilmenite) process must achieve the following effluent limitations representing the degree of effluent reduction attainable by the application of the best available technology economically achievable (BAT): The limitations for Chromium(T) and Nickel(T) are the same as specified in § 415.222(c).

**§ 415.224 [Reserved]**

**§ 415.225 New source performance standards (NSPS).**

(a) Any new source subject to this subpart producing titanium dioxide by the sulfate process must achieve the following new source performance standards (NSPS):

**SUBPART V—TITANIUM DIOXIDE-SULFATE PROCESS**

Pollutant or pollutant property	NSPS effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days
	Kg/kg (or pounds per 1,000 lb) of product	
TSS .....	110	30
Iron (T) .....	4.1	1.2
Chromium (T) .....	0.27	0.14
Nickel (T) .....	0.18	0.095
pH .....	( <sup>1</sup> )	( <sup>1</sup> )

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

(b) Any new source subject to this subpart producing titanium dioxide by the chloride process must achieve the following new source performance standards (NSPS):