

**Subpart B—Cracking Subcategory**

**§ 419.20 Applicability; description of the cracking subcategory.**

The provisions of this subpart are applicable to all discharges from any facility that produces petroleum products by the use of topping and cracking, whether or not the facility includes any process in addition to topping and cracking. The provisions of this subpart are not applicable, however, to facilities that include the processes specified in subparts C, D, or E of this part.

**§ 419.21 Specialized definitions.**

The general definitions, abbreviations and methods of analysis set forth in part 401 of this chapter and the specialized definitions set forth in § 419.11 shall apply to this subpart.

**§ 419.22 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 must achieve the following effluent limitations representing the degree of effluent reduction attainable by the application of the best practicable control technology currently available:

Pollutant or pollutant property	BPT effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days shall not exceed
	Metric units (kilograms per 1,000 m <sup>3</sup> of feedstock)	
BOD <sub>5</sub> .....	28.2	15.6
TSS .....	19.5	12.6
COD <sup>1</sup> .....	210.0	109
Oil and grease .....	8.4	4.5
Phenolic compounds .....	0.21	0.10
Ammonia as N .....	18.8	8.5
Sulfide .....	0.18	0.082
Total chromium .....	0.43	0.25
Hexavalent chromium .....	0.035	0.016
pH .....	( <sup>2</sup> )	( <sup>2</sup> )
	English units (pounds per 1,000 bbl feedstock)	
BOD <sub>5</sub> .....	9.9	5.5

Pollutant or pollutant property	BPT effluent limitations	
	Maximum for any 1 day	Average of daily values for 30 consecutive days shall not exceed
TSS .....	6.9	4.4
COD <sup>1</sup> .....	74.0	38.4
Oil and grease .....	3.0	1.6
Phenolic compounds .....	0.074	0.036
Ammonia as N .....	6.6	3.0
Sulfide .....	0.065	0.029
Total chromium .....	0.15	0.088
Hexavalent chromium .....	0.012	0.0056
pH .....	( <sup>2</sup> )	( <sup>2</sup> )

<sup>1</sup> See footnote following table in § 419.13(d).  
<sup>2</sup> Within the range of 6.0 to 9.0.

(b) The limits set forth in paragraph (a) of this section are to be multiplied by the following factors to calculate the maximum for any one day and maximum average of daily values for thirty consecutive days.

(1) Size factor.

1,000 bbl of feedstock per stream day	Size factor
Less than 24.9 .....	0.91
25.0 to 49.9 .....	0.95
50.0 to 74.9 .....	1.04
75.0 to 99.9 .....	1.13
100.0 to 124.9 .....	1.23
125.0 to 149.9 .....	1.35
150.0 or greater .....	1.41

(2) Process factor.

Process configuration	Process factor
Less than 2.49 .....	0.58
2.5 to 3.49 .....	0.63
3.5 to 4.49 .....	0.74
4.5 to 5.49 .....	0.88
5.5 to 5.99 .....	1.00
6.0 to 6.49 .....	1.09
6.5 to 6.99 .....	1.19
7.0 to 7.49 .....	1.29
7.5 to 7.99 .....	1.41
8.0 to 8.49 .....	1.53
8.5 to 8.99 .....	1.67
9.0 to 9.49 .....	1.82
9.5 or greater .....	1.89

(3) See the comprehensive example subpart D, § 419.42(b)(3).

(c) The provisions of § 419.12(c) apply to discharges of process wastewater pollutants attributable to ballast water by a point source subject to the provisions of this subpart.

(d) The quantity and quality of pollutants or pollutant properties controlled by this paragraph, attributable to once-through cooling water, are excluded from the discharge allowed by