

**Environmental Protection Agency**

**§ 435.43**

(ff) The term *96-hour LC50* shall refer to the concentration (parts per million) or percent of the suspended particulate phase (SPP) from a sample that is lethal to 50 percent of the test organisms exposed to that concentration of the SPP after 96 hours of constant exposure.

[61 FR 66125, Dec. 16, 1996; 62 FR 1681, Jan. 13, 1997]

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

Except as provided in 40 CFR 125.30-125.32, 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.

**BPT EFFLUENT LIMITATIONS—OIL AND GREASE**  
[In milligrams per liter]

Pollutant parameter waste source	Maximum for any 1 day	Average of values for 30 consecutive days shall not exceed	Residual chlorine minimum for any 1 day
Produced water .....	72 .....	48 .....	NA
Deck drainage .....	( <sup>1</sup> ) .....	( <sup>1</sup> ) .....	NA
Drilling fluid .....	( <sup>1</sup> ) .....	( <sup>1</sup> ) .....	NA
Drill cuttings .....	( <sup>1</sup> ) .....	( <sup>1</sup> ) .....	NA
Well treatment, workover, and completion fluids .....	( <sup>1</sup> ) .....	( <sup>1</sup> ) .....	NA
Sanitary:			
M10 .....	NA .....	NA .....	2 1
M9IM <sup>3</sup> .....	NA .....	NA .....	NA
Domestic <sup>3</sup> .....	NA .....	NA .....	NA
Produced sand .....	Zero discharge .....	Zero discharge .....	NA

<sup>1</sup> No discharge of free oil.

<sup>2</sup> Minimum of 1 mg/l and maintained as close to this concentration as possible.

<sup>3</sup> There shall be no floating solids as a result of the discharge of these wastes.

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

Except as provided in 40 CFR 125.30-125.32, any existing point source sub-

ject to this Subpart must achieve the following effluent limitations representing the degree of effluent reduction attainable by the application of the best available technology economically achievable (BAT):

**BAT EFFLUENT LIMITATIONS**

Stream	Pollutant parameter	BAT effluent limitations
Produced Water:		
(A) All coastal areas except Cook Inlet .....	.....	No discharge.
(B) Cook Inlet .....	Oil & Grease .....	The maximum for any one day shall not exceed 42 mg/l, and the 30-day average shall not exceed 29 mg/l.
Drilling Fluids, Drill Cuttings, and Dewatering Effluent: <sup>1</sup>		
(A) All coastal areas except Cook Inlet .....	.....	No discharge.
(B) Cook Inlet .....	Free Oil <sup>2</sup> .....	No discharge.
	Diesel Oil .....	No discharge.
	Mercury .....	1 mg/kg dry weight maximum in the stock barite.
	Cadmium .....	3 mg/kg dry weight maximum in the stock barite.
	Toxicity .....	Minimum 96-hour LC50 of the SPP shall be 3 percent by volume. <sup>4</sup>
Well Treatment, Workover and Completion Fluids:		

BAT EFFLUENT LIMITATIONS—Continued

Stream	Pollutant parameter	BAT effluent limitations
(A) All coastal areas except Cook Inlet .....	.....	No discharge.
(B) Cook Inlet .....	Oil & Grease .....	The maximum for any one day shall not exceed 42 mg/l, and the 30-day average shall not exceed 29 mg/l.
Produced Sand .....	.....	No discharge.
Deck Drainage .....	Free Oil <sup>3</sup> .....	No discharge.
Domestic Waste .....	Foam .....	No discharge.

<sup>1</sup> BAT limitations for dewatering effluent are applicable prospectively. BAT limitations in this rule are not applicable to discharges of dewatering effluent from reserve pits which as of the effective date of this rule no longer receive drilling fluids and drill cuttings. Limitations on such discharges shall be determined by the NPDES permit issuing authority.

<sup>2</sup> As determined by the static sheen test (see appendix 1 to 40 CFR Part 435, subpart A).

<sup>3</sup> As determined by the presence of a film or sheen upon or a discoloration of the surface of the receiving water (visual sheen).

<sup>4</sup> As determined by the toxicity test (see appendix 2 of 40 CFR Part 435, subpart A).

[61 FR 66125, Dec. 16, 1996; 62 FR 1681, Jan. 13, 1997]

**§ 435.44 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 125.30-125.32, any existing point source sub-

ject 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):

BCT EFFLUENT LIMITATIONS

Stream	Pollutant parameter	BCT effluent limitations
Produced Water (all facilities) .....	Oil & Grease .....	The maximum for any one day shall not exceed 72 mg/l and the 30-day average shall not exceed 48 mg/l.
Drilling Fluids and Drill Cuttings and Dewatering Effluent: <sup>1</sup>		
All facilities except Cook Inlet .....	.....	No discharge.
Cook Inlet .....	Free Oil .....	No discharge. <sup>2</sup>
Well Treatment, Workover and Completion Fluids.	Free Oil .....	No discharge. <sup>2</sup>
Produced Sand .....	.....	No discharge.
Deck Drainage .....	Free Oil .....	No discharge. <sup>3</sup>
Sanitary Waste:		
Sanitary M10 .....	Residual Chlorine .....	Minimum of 1 mg/l maintained as close to this concentration as possible.
Sanitary M91M .....	Floating Solids .....	No discharge.
Domestic Waste .....	Floating Solids and garbage .....	No discharge of Floating Solids or garbage.

<sup>1</sup> BCT limitations for dewatering effluent are applicable prospectively. BCT limitations in this rule are not applicable to discharges of dewatering effluent from reserve pits which as of the effective date of this rule no longer receive drilling fluids and drill cuttings. Limitations on such discharges shall be determined by the NPDES permit issuing authority.

<sup>2</sup> As determined by the static sheen test (see appendix 1 to 40 CFR part 435, subpart A).

<sup>3</sup> As determined by the presence of a film or sheen upon or a discoloration of the surface of the receiving water (visual sheen).

[61 FR 66125, Dec. 16, 1996; 62 FR 1682, Jan. 13, 1997]

**§ 435.45 Standards of performance for new sources (NSPS).**

Any new source subject to this subpart must achieve the following new source performance standards (NSPS):

NSPS EFFLUENT LIMITATIONS

Stream	Pollutant parameter	NSPS effluent limitations
Produced Water:		
(A) All coastal areas except Cook Inlet .....	.....	No discharge.