

§ 434.53

BPT EFFLUENT LIMITATIONS

Pollutant or pollutant property	Maximum for any 1 day	Average of daily values for 30 consecutive days
Iron, total .....	7.0	3.5
TSS .....	70.0	35.0
pH .....	( <sup>1</sup> )	( <sup>1</sup> )

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

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

(a) *Reclamation areas.* The limitations of this subsection apply to discharges from reclamation areas until SMCRA bond release.

Except as provided in 40 CFR 125.30–125.32, and §§ 434.61 and 434.63(d)(2) of this part, the following limitations establish the concentration or quality of pollutants which may be discharged by a point source subject to the provisions of this subsection after application of the best available technology economically achievable:

BAT EFFLUENT LIMITATIONS

Pollutant or pollutant property	Limitations
Settleable solids .....	0.5 ml/l maximum not to be exceeded.

(b) *Underground mine drainage.* The limitations in this subsection apply to discharges from the underground workings of underground mines until SMCRA bond release.

(1) Except as provided in 40 CFR 125.30–125.32, and §§ 434.61, 434.62, and 434.63 of this part, the following limitations establish the concentration or quality of pollutants in acid or ferruginous mine drainage subject to the provisions of this subsection after application of the best available technology economically achievable:

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BAT EFFLUENT LIMITATIONS

Pollutant or pollutant property	Maximum for any 1 day	Average of daily values for 30 consecutive days
Iron, total .....	7.0	3.5
Manganese, total .....	4.0	2.0

(2) Except as provided in 40 CFR 125.30–125.32, and §§ 434.61, and 434.63 of this part, the following limitations establish the concentration or quality of pollutants in alkaline mine drainage subject to the provisions of this subsection after application of the best available technology economically achievable:

BAT EFFLUENT LIMITATIONS

Pollutant or pollutant property	Maximum for any 1 day	Average of daily values for 30 consecutive days
Iron, total .....	7.0	3.5

**§ 434.54 Effluent limitations guidelines representing the degree of effluent reduction attainable by the application of the best conventional pollutant control technology (BCT). [Reserved]**

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

The following new source performance standards shall apply to the post-mining areas of all new source coal mines:

(a) *Reclamation areas.* The standards of this subsection apply to discharges from reclamation areas at new source coal mines until SMCRA bond release.

Except as provided in 40 CFR 401.17 and §§ 434.61 and 434.63 (d)(2) of this part, the following new source performance standards shall be achieved for a discharge subject to the provisions of this subsection:

NSPS EFFLUENT LIMITATIONS

Pollutant or pollutant property	Limitations
Settleable Solids .....	0.5 ml/l maximum not to be exceeded.
pH .....	( <sup>1</sup> )

(<sup>1</sup>) Within the range 6.0 to 9.0 at all times.

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(b) *Underground mine drainage.* The standards in this subsection apply to discharges from the underground workings of new source underground mines until bond release.

(1) Except as provided in 40 CFR 401.17 and §§ 434.61, 434.62, and 434.63 of this part, the following new source performance standards shall be achieved for the discharge of any acid or ferruginous mine drainage subject to this subsection:

NSPS EFFLUENT LIMITATIONS		
Pollutant or pollutant property	Maximum for any 1 day	Average of daily values for 30 consecutive days
	Concentrations in mg/l	
Iron, total .....	6.0	3.0
Manganese, total .....	4.0	2.0
TSS .....	70.0	35.0
pH .....	( <sup>1</sup> )	( <sup>1</sup> )

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

(2) Except as provided in 40 CFR 401.17 and §§ 434.61 and 434.63 of this part, the following new source performance standards shall be achieved for the discharge of any alkaline mine drainage subject to this subsection:

NSPS EFFLUENT LIMITATIONS		
Pollutant or pollutant property	Maximum for any 1 day	Average of daily values for 30 consecutive days
	Concentrations in mg/l	
Iron, total .....	6.0	3.0
TSS .....	70.0	35.0
pH .....	( <sup>1</sup> )	( <sup>1</sup> )

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

**Subpart F—Miscellaneous Provisions**

**§ 434.60 Applicability.**

The provisions of this subpart F apply to this part 434 as specified in subparts B, C, D, E and G of this part. [67 FR 3406, Jan. 23, 2002]

**§ 434.61 Commingling of waste streams.**

Where waste streams from any facility covered by this part are combined for treatment or discharge with waste streams from another facility covered

by this part, the concentration of each pollutant in the combined discharge may not exceed the most stringent limitations for that pollutant applicable to any component waste stream of the discharge.

**§ 434.62 Alternate effluent limitation for pH.**

Where the application of neutralization and sedimentation treatment technology results in inability to comply with the otherwise applicable manganese limitations, the permit issuer may allow the pH level in the final effluent to exceed 9.0 to a small extent in order that the manganese limitations can be achieved.

**§ 434.63 Effluent limitations for precipitation events.**

(a)(1) The alternate limitations specified in paragraph (a)(2) of this section apply with respect to:

(i) All discharges of alkaline mine drainage except discharges from underground workings of underground mines that are not commingled with other discharges eligible for these alternate limitations;

(ii) All discharges from steep slope areas, (as defined in section 515(d)(4) of the Surface Mining Control and Reclamation Act of 1977, as amended (SMCRA)), and from mountaintop removal operations (conducted pursuant to section 515(c) of SMCRA);

(iii) Discharges from coal preparation plants and preparation plant associated areas (excluding acid or ferruginous mine drainage from coal refuse disposal piles).

(2) Any discharge or increase in the volume of a discharge caused by precipitation within any 24 hour period less than or equal to the 10-year, 24-hour precipitation event (or snowmelt of equivalent volume) may comply with the following limitations instead of the otherwise applicable limitations:

EFFLUENT LIMITATIONS DURING PRECIPITATION	
Pollutant or pollutant property	Effluent limitations
Settleable solids .....	0.5 ml/l maximum not to be exceeded.
pH .....	6.0–9.0 at all times.