

(b) Any stream channel diversion shall comply with § 816.43 of this chapter.

(c) Drainage from any disturbed area related to the coal preparation plant shall comply with §§ 816.45 through 816.47 of this chapter, and all discharges from these areas shall meet the requirements of §§ 816.41 and 816.42 of this chapter and any other applicable State or Federal law.

(d) Permanent impoundments associated with coal preparation plants shall meet the requirements of §§ 816.49 and 816.56 of this chapter. Dams constructed of, or impounding, coal processing waste shall comply with § 816.84 of this chapter.

(e) Disposal of coal processing waste, noncoal mine waste, and excess spoil shall comply with §§ 816.81, 816.83, 816.84, 816.87, 816.89, and 816.71 through 816.74 of this chapter, respectively.

(f) Fish, wildlife, and related environmental values shall be protected in accordance with § 816.97 of this chapter.

(g) Support facilities related to the coal preparation plant shall comply with § 816.181 of this chapter.

(h) Roads shall comply with §§ 816.150 and 816.151 of this chapter.

(i) Cessation of operations shall be in accordance with §§ 816.131 and 816.132 of this chapter.

(j) Erosion and air pollution attendant to erosion shall be controlled in accordance with § 816.95 of this chapter.

(k) Adverse effects upon, or resulting from, nearby underground coal mining activities shall be minimized by appropriate measures including, but not limited to, compliance with § 816.79 of this chapter.

(l) Reclamation shall follow proper topsoil handling, backfilling and grading, revegetation, and postmining land use procedures in accordance with §§ 816.22, 816.100, 816.102, 816.104, 816.106, 816.111, 816.113, 816.114, 816.116, and 816.133 of this chapter, respectively.

[48 FR 20401, May 5, 1983, as amended at 52 FR 17730, May 11, 1987]

#### § 827.13 Coal preparation plants: Interim performance standards.

(a) Persons operating or who have operated coal preparation plants after July 6, 1984, which were not subject to this chapter before July 6, 1984, shall

comply with the applicable interim or permanent program performance standards of the State in which such plants are located, as follows:

(1) If located in a State in which either interim or permanent program performance standards apply to such plants, the applicable program standards of the State program shall apply;

(2) If located in a State with a State program which must be amended in order to regulate such plants, the interim program performance standards in subchapter B of this chapter shall apply; and

(3) If located in a State with a Federal program, all such plants shall be subject to the interim program performance standards in subchapter B of this chapter.

(b) After a person described in paragraph (a) of this section obtains a permit to operate a coal preparation plant, the performance standards specified in § 827.12 shall be applicable to the operation of that plant instead of those specified in paragraph (a) of this section.

[52 FR 17730, May 11, 1987]

### PART 828—SPECIAL PERMANENT PROGRAM PERFORMANCE STANDARDS—IN SITU PROCESSING

Sec.

828.1 Scope.

828.2 Objectives.

828.11 In situ processing: Performance standards.

828.12 In situ processing: Monitoring.

AUTHORITY: Secs. 102, 201, 501, 503, 504, 510, 515, 516, 517, 701; Pub. L. 95-87, 91 Stat. 448, 449, 467, 470, 471, 480, 486, 498, 516 (30 U.S.C. 1202, 1211, 1251, 1253, 1254, 1260, 1265, 1266, 1267, 1291).

#### § 828.1 Scope.

This part sets forth special environmental protection performance, reclamation and design standards for in situ processing activities.

[44 FR 15455, Mar. 13, 1979]

#### § 828.2 Objectives.

This part is intended to ensure that all in situ processing activities are conducted in a manner which preserves

## § 828.11

and enhances environmental values in accordance with the Act. This part provides additional performance, reclamation and design standards to reflect the nature of in situ processing.

[44 FR 15455, Mar. 13, 1979]

### § 828.11 In situ processing: Performance standards.

(a) The person who conducts in situ processing activities shall comply with 30 CFR 817 and this section.

(b) In situ processing activities shall be planned and conducted to minimize disturbance to the prevailing hydrologic balance by:

(1) Avoiding discharge of fluids into holes or wells, other than as approved by the regulatory authority;

(2) Injecting process recovery fluids only into geologic zones or intervals approved as production zones by the regulatory authority;

(3) Avoiding annular injection between the wall of the drill hole and the casing; and

(4) Preventing discharge of process fluid into surface waters.

(c) Each person who conducts in situ processing activities shall submit for approval as part of the application for permit under 30 CFR 785.22, and follow after approval, a plan that ensures that all acid-forming, toxic-forming, or radioactive gases, solids, or liquids constituting a fire, health, safety, or environmental hazard and caused by the mining and recovery process are promptly treated, confined, or disposed of, in a manner that prevents contamination of ground and surface waters, damage to fish, wildlife and related environmental values, and threats to the public health and safety.

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(d) Each person who conducts in situ processing activities shall prevent flow of the process recovery fluid:

(1) Horizontally beyond the affected area identified in the permit; and

(2) Vertically into overlying or underlying aquifers.

(e) Each person who conducts in situ processing activities shall restore the quality of affected ground water in the permit area and adjacent area, including ground water above and below the production zone, to the approximate premining levels or better, to ensure that the potential for use of the ground water is not diminished.

(Pub. L. 95-87, 30 U.S.C. 1201 *et seq.*)

[44 FR 15455, Mar. 13, 1979, as amended at 48 FR 14822, Apr. 5, 1983]

### § 828.12 In situ processing: Monitoring.

(a) Each person who conducts in situ processing activities shall monitor the quality and quantity of surface and ground water and the subsurface flow and storage characteristics, in a manner approved by the regulatory authority under 30 CFR 817.41, to measure changes in the quantity and quality of water in surface and ground water systems in the permit area and in adjacent areas.

(b) Air and water quality monitoring shall be conducted in accordance with monitoring programs approved by the regulatory authority as necessary according to appropriate Federal and State air and water quality standards.

(Pub. L. 95-87, 30 U.S.C. 1201 *et seq.*)

[44 FR 15455, Mar. 13, 1979, as amended at 48 FR 14822, Apr. 5, 1983; 48 FR 44781, Sept. 30, 1983]