

OTTER CREEK MINE

17.24.315 PLAN FOR PONDS AND EMBANKMENTS

17.24.315(1)

Exhibit 315A – Sediment Pond Designs includes a general plan for each proposed sedimentation pond and water impoundment within the proposed mine plan areas.

17.24.315(1)(a)

Each general plan:

- (i) has been prepared by, or under the direction of, and certified by a qualified licensed professional engineer, experienced in designing impoundments;
- (ii) contains a description, map, and cross-section of the structure and its location;
- (iii) contains preliminary hydrologic and geologic information required to assess the hydrologic impact of the pond;
- (iv) (Not applicable; there is no known past underground mining in or near the permit area.); and
- (v) contains a certification statement which includes a schedule setting forth the dates that any detailed design plans for structures that are not submitted with the general plan will be submitted to the department. Pond construction will not proceed until the department has approved the detailed design plans.

17.24.315(1)(b)

Not applicable. Each pond is designed as an excavated pond with an incised spillway discharging to a ditch or channel. There will be no embankment structure that meets or exceeds the size or other criteria of the mine safety and health administration, 30 CFR 77.216(a), or meets the Class B or C criteria for dams in USDA soil conservation service Technical Release No. 60 (210-VI-TR60, October 1985, as revised through January 1991), “Earth Dams and Reservoirs,” (TR-60).

17.24.315(1)(c)

No response required.

17.24.315(1)(d)

Each detailed design for a structure that does not meet the size or other criteria of 30 CFR 77.216(a) or the criteria for Class B or C dams in TR-60:

- (i) has been prepared by, or under the direction of, and certified by a qualified licensed professional engineer. The certifying engineer has had experience in designing impoundments;
- (ii) includes any design and construction requirements for the structure, including any required geotechnical information;
- (iii) (Not applicable to excavated ponds);
- (iv) describes the operation and maintenance requirements for each structure; and
- (v) describes the timetable and plans to remove each structure, if appropriate.

17.24.315(2)

Sedimentation ponds, whether temporary or permanent, have been designed in compliance with the requirements of ARM 17.24.639.

17.24.315(3)

Permanent impoundments where proposed have been designed to comply with ARM 17.24.642.

17.24.315(4)

No dams and reservoirs impounding 50 acre-feet or more either singly or in series within the same watershed, are proposed.