

TECHNICAL MEMORANDUM

Utah Coal Regulatory Program

February 27, 2006

TO: Internal File

THRU: Wayne Western, Team Lead

FROM: James D. Smith, Environmental Scientist III

RE: Phase I Bond Release for Reclaimed Areas, PacifiCorp, Des-Bee-Dove Mine, C/015/0017, Task ID #2411

SUMMARY:

The Permittee submitted an application for Phase I bond release on three reclaimed areas of the Des Bee Dove mine site. The bond release request was dated December 12, 2005 and received by the Division on December 20, 2005. Charles Semborski signed the C1 form, certifying on behalf of PacifiCorp that the information contained in the application is true and correct. The submittal also includes a draft copy of the notification letter that will be sent to parties with a valid interest in the release of bond, along with a list of all parties the letter will be sent to. A draft copy of the newspaper advertisements is submitted for Division approval.

Phase I reclamation of the Pumphouse Area was completed in 1999. The Permittee has designated the Little Dove and Beehive Mines area as Phase 1 reclamation (not to be confused with Phase I as used in R645-301-880.300 et seq.) and the Deseret Mine, bathhouse, and tipple areas as Phase 2 reclamation. Phase I reclamation on these two areas was completed in 2002 and 2003, respectively. No structures remain. Postmining land use is grazing and wildlife, unchanged from pre-mining land use.

This bond release application does not include the sedimentation pond and road, which were reclaimed between November 2005 and January 2006 (Phase 3), and the Maple Gulch Canyon portals, which were reclaimed in 2000.

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TECHNICAL ANALYSIS:

RECLAMATION PLAN

HYDROLOGIC INFORMATION

Regulatory Reference: 30 CFR Sec. 784.14, 784.29, 817.41, 817.42, 817.43, 817.45, 817.49, 817.56, 817.57; R645-301-512, -301-513, -301-514, -301-515, -301-532, -301-533, -301-542, -301-723, -301-724, -301-725, -301-726, -301-728, -301-729, -301-731, -301-733, -301-742, -301-743, -301-750, -301-751, -301-760, -301-761.

Analysis:

Hydrologic Reclamation Plan

The reclamation plans for the Phase 1 and Phase 2 areas are detailed in Appendices XIV and XV, respectively. Reclamation of the Pumphouse area is in Volume 5 - Appendix IV.

Drawing 1 shows the restored natural drainages, which are the only postmining hydrologic features in the Phase 1 and Phase 2 areas. There are no ponds, diversions, wells and monitoring sites.

The two conditions in the current permit are that water-monitoring data will be submitted in electronic format and that PacifiCorp may not dispose of asphalt within the Manti – La Sal National Forest Boundary. The Permittee did not request any changes to these conditions as part of the Phase I bond release package. The only water monitoring has been at the UPDES permitted discharge from the sedimentation pond. The Phase 3 sedimentation pond and access road removal, completed in February 2006, eliminated this UPDES discharge point and there is no longer any water monitoring at the Des Bee Dove Mines.

Findings:

Hydrologic information in the submittal meets the requirements of the Coal Mining Rules.

MAPS, PLANS, AND CROSS SECTIONS OF RECLAMATION OPERATIONS

Regulatory Reference: 30 CFR Sec. 784.23; R645-301-323, -301-512, -301-521, -301-542, -301-632, -301-731.

Analysis:

Reclamation Backfilling And Grading Maps

The Permittee states that Reclamation of Phase 1, Phase 2 and Pumphouse Area was Completed according to the plans and modifications as outlined in the MRP. In an addendum received February 8, 2006, the Permittee certifies that all applicable reclamation activities have been accomplished in accordance with the requirements of the Act, the regulatory program, and the approved reclamation plan.

Final Surface Configuration Maps

Drawing 1, an as-built map, shows the drainages, which have been restored to approximate natural conditions, in the Phase 1, Phase 2, and Pumphouse reclaimed areas. These are the only postmining hydrologic features in the Phase 1 and Phase 2 areas. Drawing 2 shows pre-reclamation, proposed final reclamation, and as-built final reclamation cross-sections that include the main restored channel. Drawing 3 shows pre-reclamation and final reclamation topography and cross sections for the Phase 1 area.

No ponds, diversions, wells or monitoring sites remain.

Reclamation Monitoring And Sampling Location Maps

There are no ponds, diversions, wells, or monitoring sites in the areas covered by this bond release application, or anywhere on or adjacent to the Des Bee Dove Mines permit area.

Certification Requirements.

Douglas E. Johnson, a Registered Professional Engineer, certified the three maps.

Findings:

Maps, plans, and cross sections of reclamation operations in the submittal meet the requirements of the Coal Mining Rules.

RECOMMENDATIONS:

Phase I bond release for the Des Bee Dove Phase 1, Phase 2, and Pumphouse reclamation areas should be approved.