

TECHNICAL MEMORANDUM

Utah Coal Regulatory Program

January 26, 2009

TO: Internal File

THRU: Daron Haddock, Permit Supervisor *DRH*

FROM: James D. Smith, Environmental Scientist III *JS 03/19/09*

RE: 2008 Midterm Review, PacifiCorp, Deer Creek Mine, C0150018, Task No. 3026

SUMMARY:

The Division is required to review each active permit during its term, in accordance with R645-303-211. This review is to take place at the midpoint of the permit term, which is October 7, 2008 for the Deer Creek Mine. You were notified by letter dated August 11, 2008 of this Midterm Review. Pertinent elements identified in that letter that were reviewed in this Tech Memo are:

A review of the mine plan to ensure that the requirements of all permit conditions, division orders, notice of violation abatement plans, and Permittee initiated plan changes are appropriately incorporated into the mine plan document.

A review of the applicable portions of the permit to ensure that the mine plan contains commitments for application of the best technology currently available (BTCA) to prevent additional contributions of suspended solids to stream flows outside of the permit area.

TECHNICAL ANALYSIS:

GENERAL CONTENTS

PERMIT APPLICATION FORMAT AND CONTENTS

Regulatory Reference: 30 CFR 777.11; R645-301-120.

Analysis:

A side-by-side update of the Division's and Permittee's MRPs was conducted in January

2008. At that time, permit conditions, division orders, notice of violation abatement plans, and Permittee initiated plan changes that were not already in the MRP were appropriately incorporated.

Findings:

The MRP meets the requirements of this element of the Midterm Review.

OPERATION PLAN

HYDROLOGIC INFORMATION

Regulatory Reference: 30 CFR Sec. 773.17, 774.13, 784.14, 784.16, 784.29, 817.41, 817.42, 817.43, 817.45, 817.49, 817.56, 817.57; R645-300-140, -300-141, -300-142, -300-143, -300-144, -300-145, -300-146, -300-147, -300-147, -300-148, -301-512, -301-514, -301-521, -301-531, -301-532, -301-533, -301-536, -301-542, -301-720, -301-731, -301-732, -301-733, -301-742, -301-743, -301-750, -301-761, -301-764.

Analysis:

Sediment Control Measures

The MRP contains commitments to use sedimentation ponds, sediment retention boxes, diversions, mine-water discharge treatment, and ASCAs to prevent additional contributions of suspended solids to stream flows outside of the permit area.

Information on ASCAs is in Table A of Section R645-301-500 of the Operation Plan section. Calculations and designs for diversions, sedimentation ponds, and sediment traps are in Appendix VII. The UPDES permit is in Appendix B of Volume 9.

Snow is transported to the Waste Rock Disposal Site, where the melt-water is treated in the sedimentation pond.

Findings:

Commitments to control sedimentation and information related to these commitments are in the MRP and satisfy this element of the Midterm Review.

RECOMMENDATIONS:

The Midterm Review should be approved.