

# TECHNICAL MEMORANDUM

Utah Coal Regulatory Program

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March 21, 2005

TO: Internal File

THRU: D. Wayne Hedberg, Coal Mine Permit Supervisor

FROM: James D. Smith, Environmental Scientist, Team Lead

RE: Update Volume 9, PacifiCorp, Deer Creek Mine, C/015/0018, Task #2118

**SUMMARY:**

Deficiencies were found in Volume 9 during technical review of the North Rilda Portal Facilities. Several of those deficiencies were not specific to the North Rilda Portal Facilities and the Permittee has submitted this amendment to address these more general issues.

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**TECHNICAL ANALYSIS:**

## **GENERAL CONTENTS**

### **PERMIT APPLICATION FORMAT AND CONTENTS**

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

**Analysis:**

The Table of Contents of Volume 9 has been updated to show the removal of Map HM-11. The information from HM-11 is now included on the revised Map HM-10. The only reference to HM-11 in Volume 9 (on page 158) has been removed.

**Findings:**

The Permit Application Format and Contents meets the requirements of the R645 Coal Rules.

### **REPORTING OF TECHNICAL DATA**

Regulatory Reference: 30 CFR 777.13; R645-301-130.

**Analysis:**

Additional references, which are cited in Volume 9 of the MRP but were not listed in the approved Volume 9, have been added to the List of References.

**Findings:**

Reporting of Technical Data is sufficient to meet the requirements of the Coal Mining Rules.

## **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:**

#### **Groundwater Monitoring**

Appendix A of Volume 9 has been updated with the monitoring plan that was approved with the Mill Fork Extension amendment. The monitoring plan that was in Appendix A of Volume 12 (the Mill Fork Extension amendment) has been removed and a page has been inserted that directs to Volume 9 Appendix A for the monitoring plan.

#### **Surface Water Monitoring**

There is now just one monitoring plan in the MRP, in Volume 9 - Hydrology. Appendix A of Volume 9 has been updated with the monitoring plan that was approved with the Mill Fork Extension amendment. The monitoring plan that was in Appendix A of Volume 12 (the Mill Fork Extension amendment) has been removed and a page has been inserted that directs to Volume 9 Appendix A for the monitoring plan.

### **Findings:**

Operations Hydrologic Information is sufficient to meet the requirements of the Coal Mining Rules.

## **MAPS, PLANS, AND CROSS SECTIONS OF MINING OPERATIONS**

Regulatory Reference: 30 CFR Sec. 784.23; R645-301-512, -301-521, -301-542, -301-632, -301-731, -302-323.

### **Analysis:**

Map HM-11 has been removed from the plan because all information is now included on Map HM-10. Maps HM-9 and HM-10 have been updated to show more recent mine workings in the North Rilda tract and the entries from North Rilda to Mill Fork.

### **Findings:**

Maps, Plans, and Cross Sections of Mining Operations are sufficient to meet the requirements of the Coal Mining Rules.

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**RECOMMENDATIONS:**

This amendment should be approved.

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