

TECHNICAL MEMORANDUM

Utah Coal Regulatory Program

September 21, 2005

TO: Internal File

THRU: D. Wayne Hedberg, Permit Supervisor

THRU: Joe Helfrich, Team Lead

FROM: James D. Smith, Environmental Scientist

RE: Reformat and Digitization, CO-OP Mining Company, Bear Canyon Mine, Permit C/015/0025, Task # 2114

SUMMARY:

Permittee's Action		DOGM's Action	
Original submittal	01/27/2003	Assigned Task # 120	
		Tech Memo – Geology and Hydrology	06/30/2003
		TA	07/30/2003
Response to Task # 120	02/11/2004	Assigned Task # 1863	
		Tech Memo – Geology and Hydrology	05/03/2004
		TA	05/26/2004
Response to Task # 1863	07/29/2004	Assigned Task # 1989	
		Tech Memo – Geology and Hydrology	8/30/2004
		TA	09/01/2004
Response to Task # 1989	12/30/2004	Assigned Task # 2114	
		Tech Memo (deficiencies) – Geology and Hydrology	08/16/2005
Additional information by e-mail	08/16/2005	Included in Task # 2114	
Additional information by e-mail	08/17/2005	Included in Task # 2114	
Additional information by e-mail	08/29/2005	Included in Task # 2114	
		Tech Memo revised – Geology and Hydrology	09/21/2005

The Permittee initially submitted a reformatted MRP on January 27, 2003. Along with a hard copy of the plan, the entire plan was submitted in electronic format on a CD in Adobe® .pdf format. Basically all information from Chapters 6 and 7 of the current MRP, including the appendices, has been incorporated into the electronic MRP.

TECHNICAL ANALYSIS:

GENERAL CONTENTS

PERMIT APPLICATION FORMAT AND CONTENTS

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

Analysis:

Outside materials are cited throughout Chapters 6 and 7. A bibliography has been added at the end of Chapter 6. Chapter 7 has two reference sections in: one on pages 7-85 and 7-86, the other on pages 7-144 and 7-145.

Findings:

Permit Application Format and Contents are sufficient to meet the requirements of the Coal Mining Rules.

ENVIRONMENTAL RESOURCE INFORMATION

Regulatory Reference: Pub. L 95-87 Sections 507(b), 508(a), and 516(b); 30 CFR 783., et. al.

HYDROLOGIC RESOURCE INFORMATION

Regulatory Reference: 30 CFR Sec. 701.5, 784.14; R645-100-200, -301-724.

Analysis:

Baseline Cumulative Impact Area Information

The Division has provided the most recent version of the Gentry Mountain Cumulative Hydrologic Impact Assessment (CHIA). The Division prepares this findings document and inclusion of the CHIA in the MRP is not necessary; however, the Permittee has included it in Appendix 7-L.

Findings:

Hydrologic Resource Information 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:

General

Basically all information from the text of Chapter 7 of the current MRP, including the appendices, has been incorporated into the electronic MRP.

Previous amendments to the Bear Canyon Mine hard-copy MRP have required additional pages be inserted into Appendix 7-H. The inserted pages were labeled with numbers followed by letters (e.g. 7H-14A) rather than page numbers alone so that pages that followed the inserted material did not need to be renumbered. In the electronic MRP, all pages have been given sequential numbers.

Findings:

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

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RECOMMENDATIONS:

The Reformat and Digitization of the MRP can be approved.

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