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OK

TECHNICAL MEMORANDUM

Utah Coal Regulatory Program

April 18, 2013

TO: Internal File

THRU: Steve Christensen, Permit Supervisor *SICC*

FROM: Ken Hoffman, Hydrologist *KH*

RE: Rerouting of the mine water discharge line, Genwal Resources, Inc., Crandall Canyon Mine, C/015/0032, Task ID #4311

SUMMARY:

On March 25, 2013, the Division of Oil, Gas and Mining (the Division) received a letter from Genwal Resources, Inc. (the Permittee) staff providing an update to Appendix 7-65. The update consists of an as-built for the rerouting of the mine water discharge line and the location of a new sampling port. This memo addresses the application's compliance with the hydrology (R645-301-700) section of the Utah Coal Mining Rules. The application is recommended for approval.

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TECHNICAL ANALYSIS:

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, -300-148, -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:

Water-Quality Standards And Effluent Limitations

The amendment is to reroute a pipeline from the mine portals to the treatment pond. During March 2013, this pipeline broke due to a piece of the highwall falling. The existing pipeline had an emergency repair performed; however, this repair is not sustainable. The proposed reroute should provide a more secure route from the mine portals to the treatment basin. Safe delivery of the minewater to the treatment system will aid in the continued effluent limitation compliance.

Findings:

Contents and information provided are sufficient enough to meet the minimum requirements of this section of the Utah 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:

Monitoring and Sampling Location Maps

The amendment includes the new location of the pretreatment sampling port. As required by the text of MRP Appendix 7-65 on page 8 this port is coming from the 12" HPDE pipeline prior to the oxidizer unit.

RECOMMENDATIONS:

The application is recommended for approval.