

#4090

OK

TECHNICAL MEMORANDUM

Utah Coal Regulatory Program

June 18, 2012

TO: Internal File

THRU: James Owen, Team Lead *JO*

FROM: Amanda Daniels, Environmental Scientist *AD*

RE: Phase III bond release, Utah American Energy, Horse Canyon Mine, C/007/013, Task ID# 4090

SUMMARY:

Mining at the Geneva Mine ceased in 1982 and the mine is undergoing final reclamation. The Permit for the Geneva Mine (Horse Canyon Mine, MRP-A) was most recently re-issued on May 18, 2007. UEI received Phase III bond release at the Geneva Mine Permit on November 30, 2009 for all but 0.49 acres of disturbed area associated with Ditch 31. Bonding was retained on Ditch 31 due to reconstruction requirements, and the work was completed in September 2006.

One surface water monitoring location was retained along Ditch 31, site B-1, which was to be monitored until the liability period for Ditch 31 was complete. Approval of this bond release is recommended. It is also recommended that UEI submit the necessary changes to Chapter 7 of the MRP for the cessation of monitoring at site B-1.

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TECHNICAL ANALYSIS:

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:

The inspection of Ditch 31 found no evidence of erosion or stream bank degradation. The surface water monitoring for site B-1, located along the ditch, has been consistently monitored each quarter since 1989, with only one major flow event occurring in October 2004.

Findings:

The information meets the requirements of bond release for 0.49 acres on the Refuse Pile that is Ditch 31.

RECOMMENDATIONS:

Approval of the bond release is recommended.