TECHNICAL MEMORANDUM

Utah Coal Regulatory Program

May 22, 2013

TO: Internal File

THRU: James Owen, Lead *JO*

FROM: Amanda Daniels, Hydrologist AD

RE: Pond 5A Temporary Access Road, Hiawatha Coal Company, Hiawatha Complex, C/007/0011, Task ID #4333

SUMMARY:

The Hiawatha Coal Company submitted an amendment to the Division on May 14, 2013 regarding the construction of a temporary access road. The road will be constructed to access the interior of Slurry Pond Cell 5A for the purpose of extracting and selling coal fines which are currently stored in the slurry cell.

The proposed access road will not disrupt the runoff from Slurry Cell 5 and will not decrease the available storage volume within Slurry Cell 5A. The amendment 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, -300-147, -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:

Ponds, Impoundments, Banks, Dams, and Embankments

Slurry Cell 5A receives and stores runoff from various sources, including drainage from the top of Slurry Cell 5. The pond volume was evaluated in 1997 and is capable of containing approximately 89.55 acre feet of runoff. For a 10 year 24 hour event only 18.67 acre feet of storage is required. In final reclamation, Slurry Cell 5A will be removed and all runoff from Slurry Cell 5 will be directed to Sediment Pond 006. The runoff from outslopes of Slurry Cell 5 is directed to Sediment Ponds 006 and 007.

Findings:

The proposed access road will not disrupt the runoff from Slurry Cell 5 and will not decrease the available storage volume within Slurry Cell 5A.

RECOMMENDATIONS:

The amendment is recommended for approval.

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