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Governor
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Lieutenant Governor

State of Utah
DEPARTMENT OF NATURAL RESOURCES
MICHAEL R. STYLER
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Technical Analysis and Findings

Utah Coal Regulatory Program

November 1, 2017

PID: C0250005
TaskID: 5549
Mine Name: COAL HOLLOW
Title: POND 7 CERTIFICATION

Operation Plan

Hydrologic Sediment Control Measures

Analysis:

The amendment meets the State of Utah R645 requirements for Sediment Control Measures.

The best technology currently available is being implemented within the active operations area of the North Private Lease. Drainage from the disturbed area reports to Ponds 5, 6, 7 and other sediment control measures such as silt fences. Pond 7 is fully operational and is adequately sized to treat runoff reporting to the pond. The amendment provides a narrative, calculations and supporting maps and cross-sections. Treated water in Pond 7 may be discharged through the UPDES outfall issued for the structure.

kstorrar

Hydrologic Impoundments

Analysis:

The amendment meets the State of Utah R645 requirements for Hydrologic Impoundments.

Drawing 5-69AB illustrates the As Built specifications for Pond #7, including plan view and cross-sectional details. The attached plans indicate that Pond #7 has the capacity to contain 7.11 acre-ft of water from a 10 year - 24 hour storm event of 2.39", as well as a minimum 4.80 acre-ft of mine affected water above the calculated 3 year sediment level up to the point of discharge. Pond #7 will be the largest pond on site, and will provide additional runoff storage to compliment mining activities. It will be removed once it is no longer required, and the vegetation standards are met.

The plans in this amendment were completed and stamped by Andrew R. Christensen, a licensed professional engineer for the state of Utah.

jeatchel

Hydrologic Ponds Impoundments Banks Dams

Analysis:

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