



State of Utah

DEPARTMENT OF NATURAL RESOURCES

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Technical Analysis and Findings

Utah Coal Regulatory Program

April 26, 2017

PID: C0250005
TaskID: 5414
Mine Name: COAL HOLLOW
Title: TEMPORARY DIVERSION DITCH

General Contents

Permit Application Format and Contents

Analysis:

Analysis:

The application does not meet the requirements of Clear and Concise information, because Appendix 5-2 describes the temporary ditches as trapezoidal channels and the design provided on Dwg 5-3 is not trapezoidal for any of the temporary ditches.

Deficiencies Details:

The application does not meet the requirements of Clear and Concise information. Prior to approval, please provide the following in accordance with:

R645-301-121.200, Clarify whether temporary ditches 4-A-U, 4, A- D, and 4-A-R will be trapezoidal as described in Appendix 5-2 (p. 12) or have a V ditch design as shown on Dwg 5-34A and make the appropriate corrections to the plan.

pburton

Operation Plan

Hydrologic Sediment Control Measures

Analysis:

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

The amendment provides a narrative, calculations, and maps for installing a new drainage ditch. The ditch will be installed northeast of Pit 10 and is designed to capture and convey runoff from the Ditch 4 watershed to Sediment Pond 3. The new ditch will prevent concentrated runoff from flowing over reclaimed land to the north and west of Pit 10.

In the past, large runoff events from the undisturbed watershed have overwhelmed the berm separating undisturbed from disturbance in this area. This caused gullying across the reclaimed field. Now a rock check dam has been installed at the westernmost low point of this contact to allow filtered water to be slowly metered into the disturbed area and drain to the new ditch. The sheet flow will now report to the new ditch allowing the reclaimed area to fully stabilize.

kstorrar

Reclamation Plan

Topsoil and Subsoil

Analysis:

Analysis:

The application does not meet the requirements of R645-301-240 soil stabilization plan, because it does not specify how the existing temporary ditch will be reclaimed across the Phase 1 bond release area and how erosion caused by previous flows across the Phase I bond release areas will be treated.

Deficiencies Details:

The application does not meet the requirements of the soil stabilization plan. Prior to approval, please provide the following information, in accordance with:

R645-301-244.300, Specify how the rills and gullies formed in the reclaimed Phase 1 bond release areas on either side of the County Road and the existing temporary ditch on the East side of the temporary road will be filled, regraded, or otherwise stabilized.

pburton