



State of Utah
DEPARTMENT OF NATURAL RESOURCES
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Technical Analysis and Findings

Utah Coal Regulatory Program

August 10, 2016

PID: C0250005
TaskID: 5253
Mine Name: COAL HOLLOW
Title: PIT 10 DRAINAGE RECONFIGURATION

Operation Plan

Hydrologic Diversion General

Analysis:

The amendment meets the State of Utah R645 requirements for Diversions.

The Permittee is installing ditches and sediment control structures within Pit 10 to the designs shown on Drawing 5-3C and 5-3D. During the construction phase of the sediment control structures the Permittee determined a portion of Ditch P10-N01 could not be diverted as designed. The new design in this amendment will now report runoff flowing in the ditch to a 24" Culvert (P10-10) and down to Ditch P10-S03. The culvert is within the pit below grade.

The amendment further details erosion control measures at the outlets of three culverts and within a ditch where the runoff velocity is calculated to exceed 5 fps. This will reduce sediment yields to the newly constructed sump as runoff is routed down to the bottom of the pit.

kstorar

Maps Facilities

Analysis:

The amendment meets the requirements of R645-301-521.180 and R645-301-532 for Map facilities.

The amendment includes an updated Chapter 5 Drawings 5-3C and 5-3D plates that detail the facilities and structures associated with the underground mining. Both plates include the addition of the new culvert below the original surface and placed completely within the extent of Pit 10.

cparker

Reclamation Plan

Bonding Determination of Amount

Analysis:

The amendment meets the requirements of R645-301-542.800 and R645-301-800 for bonding determination of amount.

The amendment includes the addition of a culvert within the extent of Pit 10 at the South Private Lease. The entire length of

the culvert is within Pit 10 and below approximate original contour. At reclamation the culvert will be crushed and buried in place.

cparker