



Technical Analysis and Findings
Utah Coal Regulatory Program

April 7, 2016

PID: C0070013
TaskID: 5085
Mine Name: HORSE CANYON MINE
Title: FAN PAD AS-BUILT MAP

Operation Plan

Support Facilities and Utility Installations

Analysis:

The amendment meets the State of Utah R645 requirements for Support Facilities and Utility Installations.
The amendment meets the requirements of R645-301-521.180 and -526 the require the description, plans, and drawing for each support facility to be constructed, used, or maintained within the proposed permit area. The amendment includes the asbuilt layout of the fan pad on Plate 5-2B.

cparker

Maps Facilities

Analysis:

The amendment meets the State of Utah R645 requirements Mining Facilities Maps.
The amendment meets the requirements of R645-301-521.120 through-521.125 which require maps to clearly show existing surface and subsurface facilities. The amendment included the operational layout of the fan building on Plate 5-2B.

cparker

Maps Certification Requirements

Analysis:

The amendment meets the State of Utah R645-301-512 Certification Requirements.
R645-301-512 requirements are met as all mine drawings and plates are stamped by a Utah certified professional engineer, David Hibbs, with experience in underground mining operations.

cparker

Reclamation Plan

Backfill and Grading General

Analysis:

The amendment does not meet the State of Utah R645 requirements for Backfill and Grading.

The amendment does not meet the requirements of R645-301-553 by failing to detail the required additional information set forth in the conditional approval of the original amendment, Task 4818. A general backfill and grading plan must include details how disturbed areas will be backfilled and graded to achieve the approximate original contour, eliminate all highwalls, spoil piles, and depressions, and achieve a postmining slope that does not exceed either the angle of repose or such lesser slope as is necessary to achieve a minimum long term static safety factor of 1.3 and to prevent slides, minimize erosion and water pollution both on and off the site, and support the approved postmining land use.

Deficiencies Details:

R645-301-513.500, R645-301-529, R645-301-551, R645-301-553: The Permittee will update the MRP (Chapter 5 p. 64) with a volume estimate and source for the fill that will be required to reclaim for the north breakouts and south breakouts.

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Mine Openings

Analysis:

The amendment does not meet the State of Utah R645 requirements for Mine Openings.

The requirements of R645-301-513.500, R645-301-529, and R645-301-551 are not met within the amendment as the Permittee failed to address the conditional item 1 for the approval of Task 4818. The original amendment, Task 4818, was conditional approved pending the as-built information included an update the MRP (Chapter 5 p. 64) with a volume estimate and source for the fill that will be required to reclaim for the north breakouts and south breakouts. MRP must include information pertinent to the sealing of mine openings at the time of final reclamation

Deficiencies Details:

R645-301-513.500, R645-301-529, R645-301-551, R645-301-553: The Permittee will update the MRP (Chapter 5 p. 64) with a volume estimate and source for the fill that will be required to reclaim for the north breakouts and south breakouts.

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Maps Reclamation BackFilling and Grading

Analysis:

The amendment does not meet the State of Utah R645 requirements for Reclamation Backfilling and Grading Maps.

The requirements of R645-301-542 are not met within the amendment as there is no figure detailing the reclamation cut/fill profiles and plan view for the pad area. Additionally, the Permittee failed to address both Items 1 and 2 of Tasks 4818 conditional approval.

A drawing detailing the backfill contours is critical information for the Division to be able to verify volumes of reclamation for the site. The Permittee was granted conditional approval of fan plan, Task 4818, pending such a figure and updated volume narratives to the MRP.

Deficiencies Details:

R645-301-542.200: The Permittee shall also include an additional drawing detailing the plan/profile backfill and grading of the pad area at final reclamation to meet R645-301-542.200 regulations and Item 2 of the Task 4818 conditional approval. The drawing must show how the openings are sealed to meet R645-301-513.500, R645-301-529, R645-301-551, R645-301-553.

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Maps Reclamation Final Surface Configuration

Analysis:

The amendment does not meet the State of Utah R645 requirements for Final Surface Configuration Maps.

The requirements of R645-301-542 are not met within the amendment as there is no change to the existing MRP plan to show the reclamation grading contours for the Asbuilt Fan pad area. The application did include the appropriate operational drawing required by R645-301-521 regulations but failed to also include plan/profile views of the backfill and grading at reclamation of the fan area. The reclamation figure is required to verify grading and backfill estimates to return final surface configuration back to AOC.

Deficiencies Details:

R645-301-542.200: The Permittee shall also include an additional drawing detailing the plan/profile backfill and grading of the pad area at final reclamation to meet R645-301-542.200 regulations and Item 2 of the Task 4818 conditional approval.

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Bonding and Insurance General

Analysis:

The amendment meets the State of Utah R645 requirements for Bonding and Insurance Requirements.

The amendment meets the requirements of R645-301-800 as the applicant is current on the bond and insurance standings and bonding increase was done at the time of the initial amendment, Task 4818.

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