



GARY R. HERBERT
Governor

SPENCER J. COX
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

November 10, 2016

Karin Madsen, Resident Agent
UtahAmerican Energy, Inc.
P.O. Box 910
East Carbon, Utah 84520-0910

Subject: Pond 1 Culvert, UtahAmerican Energy, Inc., Horse Canyon Mine, C/007/0013,
Task #5304

Dear Ms. Madsen:

The Division has reviewed your application. The Division has identified deficiencies that must be addressed before final approval can be granted. In addition to the findings and deficiencies attached to this letter, please contact Cheryl Parker and Beverly Wisner to address incomplete and/or missing bonding information in the amendment prior to resubmittal.

The deficiencies authors are identified so that your staff can communicate directly with that individual should questions arise. The plans as submitted are denied. Please resubmit the entire application.

If you have any questions, please call me at (801) 538-5325.

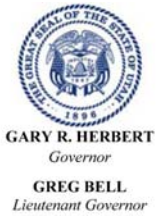
Sincerely,

A handwritten signature in black ink that reads "Daron R. Haddock".

Daron R. Haddock
Coal Program Manager

DRH/KS/sqs
O:\007013.HOR\WG5304 CULVERT\5304_Deficiencies letter.doc





Technical Analysis and Findings
Utah Coal Regulatory Program

PID: C0070013
TaskID: 5304
Mine Name: HORSE CANYON MINE
Title: POND 1 CULVERT

Operation Plan

Mining Operations and Facilities

Analysis:

The amendment now meets all the State of Utah R645 requirements for Mining Operations and Facilities.
The amendment now meets the requirements of R645-301-512.120,512.200, -542.800, and -553 by the Plate 7-6a for the proposed changes in operations.
The Permittee instead proposes to install a new 60" diameter culvert, beginning at the existing inlet location and extending below Pond 1, then attaching to the existing 60" diameter culvert near the existing spillway structures.
Prior to and during construction, drainage that would typically go through the plugged culvert will be diverted around the construction zone and discharge in the same location as it is now, on the west side of the pond's dam.
The Permittee will provided certified as-built drawing upon completion of the new culvert sections. The as-built documentation will include documentation showing that the places embankments meet the original engineering designs in regards to compaction certification per R645-301-533.110.

cparker

Hydrologic Diversion General

Analysis:

The amendment does not meet the State of Utah R645 requirements for diversions.
The amendment proposes to insert a section of culvert adjacent to the blocked bypass culvert running underneath Pond 1.

The sizing of the new section of culvert is okay. It does not change inlets or outlets and is the same diameter as the old culvert. The amendment proposes this construction in the cover letter, however this text must be added to the text in the MRP.

Deficiencies Details:

The amendment outlines the installation of the bypass culvert under Pond 1 in the cover letter. This narrative must be added to the MRP where diversions are discussed in the hydrology section in order to document work at the site.

kstorar

Reclamation Plan

Bonding Determination of Amount

Analysis:

The amendment does not meet the State of Utah R645 requirements for Determination of Bond Amount.

The amendment does not meet the requirements of R645-301-830.140 as the Permittee did provide detailed bond information but the sheets contained within the amendment do not appear to be for the Horse Canyon mine. The permittee must add the relevant additional bond information to the correct Horse Canyon demolition and earthwork sheets.

Deficiencies Details:

R645-301-843.140: The Permittee must provide the correct Horse Canyon mine sheets showing the updated information regarding the amendment.

cparker