



**State of Utah**  
DEPARTMENT OF NATURAL RESOURCES  
MICHAEL R. STYLER  
*Executive Director*  
Division of Oil, Gas and Mining  
JOHN R. BAZA  
*Division Director*

## Technical Analysis and Findings

### Utah Coal Regulatory Program

July 15, 2016

**PID:** C0070019  
**TaskID:** 5207  
**Mine Name:** CENTENNIAL MINE  
**Title:** TEMPORARY CESSATION

#### Reclamation Plan

##### General Requirements

*Analysis:*

The amendment meets the State of Utah R645 requirements for Reclamation Activities.

The requirements of R645-301-540 are met within the amendment as there is no change to the existing MRP reclamation details. Temporary abandonment does not relieve the Permittee of their obligation to comply with all provisions of the approved permit per R645-301-515.300. The amendment included the addition of security gates for added measure to stop unauthorized entrance into the Mine's shop building. The bond sheets were updated to reflect the additional chainlink fence and security gates installed on all shop building doors and windows.

cparker

##### Mine Openings

*Analysis:*

The amendment meets the State of Utah R645 requirements for Mine Openings.

The requirements of R645-301-513.500, R645-301-529, and R645-301-551 are met within the amendment as there is no change to the existing MRP sealing of mine openings at the time of temporary cessation. Chain link fence and locked gates are installed in the portal entrances to allow for mine inspections but inhibit unauthorized entrance.

cparker

##### Cessation of Operations

*Analysis:*

The amendment does not meet the State of Utah R645 requirements for Cessation of Operations

The requirements of R645-301-515 and -541 are not met within the amendment as there is no change to the existing MRP plan of communication with the appropriate parties in the event of the cessation of operations and final reclamation but the amendment application failed to include detailed information regarding: the number of surface areas involved in the cessation, prior reclamation efforts accomplished on the property, identification of all backfilling, regrading, revegetation, environmental monitoring, underground opening closures and water treatment activities that will continue during temporary cessation. The Permittee shall include all detailed information Chapter 5 page 26 to meet R645-301-515.321 and -541

requirements.

*Deficiencies Details:*

R645-301-515.321 and -541: The Permittee shall include detailed information regarding: the number of surface areas involved in the cessation, prior reclamation efforts accomplished on the property, identification of all backfilling, regrading, revegetation, environmental monitoring, underground opening closures and water treatment activities that will continue during temporary cessation.

cparker

**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 failed to submitted detailed bond information in regards to the amendment. The Permittee must include the individual shop building demolition sheet showing the quantity and type of materials added during temporary cessation. The midterm for the Centennial mine was completed in 2014 so all unit costs must be in 2014 unit cost from approved cost reference manuals. Due to missing information the Division cannot determine the minimal required reclamation bond total with the addition of the items described in Chapter 5.

*Deficiencies Details:*

R645-301-830.140: The Permittee shall include not only the Total sheet but also include the relevant Demolition subsheets, Demolition total sheet, relevant Earthwork subsheets, and Earthwork Total sheets of the reclamation bond.

bwiser