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**State of Utah**  
DEPARTMENT OF NATURAL RESOURCES

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**Technical Analysis and Findings**  
**Utah Coal Regulatory Program**

June 9, 2016

**PID:** C0150015  
**TaskID:** 5182  
**Mine Name:** EMERY DEEP MINE  
**Title:** ARCHEOLOGY REPORT

**Environmental Resource Information**

**Historic and Archeological Resource Information**

*Analysis:*

R645-301-411.140 - 411.143: The Permittee has met the requirements for Cultural and Historic Resources Information;

The Permittee has provided a copy of the original cultural resources inventory report (Stavish, Patricia. Cultural Resources Inventory of Consolidated Energy's Emery 2 Mine Near Quitchupah Creek [T22S, R6E, Sec. 32 and 33] Emery County, Utah. Report U-09-MQ-0567p) prepared for the Emery 2 Mine. The report was submitted by DOGM to the Utah State Historic Preservation Office (SHPO) on August 31, 2010 for concurrence with the recommended Eligibility and Effects determinations laid out in said report. The report included detailed location maps for all identified cultural resources within the permit area.

In early 2016, the Permittee proposed to construct a conveyor system to move coal from the proposed Emery 2 portal to the Emery main portal. Construction of the conveyor will encroach within the proposed 100-foot avoidance buffer established around cultural sites as outlined in the 2009 report. As such, DOGM has determined project implementation will now have an Adverse Effect to 42EM1314.

R645-301-411.144: The Permittee has met the requirements for Appropriate Mitigation and Treatment Measures;

Upon notifying DOGM of the proposed conveyor construction and potential to impact site 42EM1314, DOGM requested the Permittee, through their archaeological consultant, draft a monitoring and discovery plan. The details of this plan lay out how, through the use of an archaeological monitor, construction of the conveyor system will be implemented in the manner least likely to impact important components of site 42EM1314. Additionally, the plan lays out the protocol to which the Permittee will adhere in the case of unanticipated discoveries.

R645-301-411.142: The Permittee has met the requirements for Coordination with the State Historic Preservation Office;

The Utah SHPO provided concurrence (SHPO Case No. 05-0681) with the determinations identified in the report (U-09-MQ-0567p) in a letter dated September 9, 2010. At that time, site 42EM1314 was recommended Eligible for inclusion on the National Register of Historic Places, with SHPO concurrence, and project implementation was determined to have No Adverse Effect to site 42EM1314.

With the proposed conveyor installation anticipated to have an Adverse Effect to site 42EM1314, DOGM notified SHPO of this change in plan. In addition, DOGM submitted the draft monitoring and discovery plan for SHPO approval. Approval by SHPO was conveyed to DOGM in correspondence dated June 1, 2016. The Permittee has met the requirements for

