



State of Utah

DEPARTMENT OF NATURAL RESOURCES

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Technical Analysis and Findings

Utah Coal Regulatory Program

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PID: C0150015
TaskID: 5567
Mine Name: EMERY DEEP MINE
Title: SUBSIDENCE MONITORING REVISION

Operation Plan

Subsidence Control Plan Subsidence

Analysis:

The amendment meets the State of Utah R645 requirements for Subsidence Control Plans.

This amendment proposes to update the subsidence monitoring plan. Permittee proposes to revise Plate V-5 to depict active subsidence monitoring points, and create an additional Plate (V-5H) to include historical subsidence monitoring points that will no longer be monitored. Monitoring historical subsidence points within the permit area will be discontinued due to no recent movement. A subsidence monitoring report by Ware Surveying and Engineering included in Appendix B-2 of the 2016 Annual Report verifies that there has been less than 0.1 feet of movement in the last ten years.

In addition to revising Plate V-5 and adding Plate V-5H, Permittee also proposes to update and revise the subsidence monitoring plan located in chapter 5 of the Mining and Reclamation Plan (MRP). The narrative on pages 27 and 36 - 38 of chapter 5 is completely removed and replaced with language that addresses proposed revisions to the subsidence monitoring plan. Regardless of these revisions, the commitments addressed in the original MRP are preserved in the proposed changes. In section 5.1 of the proposed Subsidence Monitoring Reporting Protocol (Chapter V, Page 38), Permittee states that photographs will be taken of the surface in areas of full extraction after subsidence has occurred. The Division recommends that the Permittee also include photographs of the pre-mining surface above proposed areas of full extraction in order to provide a reference should mitigation be required.