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State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

May 21, 2014

Ken May, General Manager
Canyon Fuel Company, LLC
597 South SR24
Salina, Utah 84654

Subject: Undermining of Shelters, Canyon Fuel Company, LLC, Sufco Mine, C/041/0002,
Task ID #4583

Dear Mr. May:

The Division has reviewed your application at the Sufco Mine. The Division has identified deficiencies that must be addressed before final approval can be granted. The deficiencies are listed as an attachment to this letter.

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. As noted in the identified deficiencies, additional information should be submitted in such a way as to be kept confidential.

If you have any questions, please call me at (801) 538-5350.

Sincerely,

Steve Christensen
Permit Supervisor

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Technical Analysis and Findings

Utah Coal Regulatory Program

PID: C0410002
TaskID: 4583
Mine Name: SUFCO MINE
Title: UNDERMINING OF SHELTERS

Environmental Resource Information

Historic and Archeological Resource Information

Deficiencies Details:

The Forest Service with the concurrence of The State Historic Preservation Office (SHPO) noted in their determination of significance and effect that mining under the shelters would have an adverse effect on the sites.

The Division's review of the drawing to be included in Appendix 4-2 has noted that the angle of draw when properly located will include shelter # 4SV3550 as such a mitigation plan for the shelter will be required by The Division, The Forest Service and The State Historic Preservation Office (SHPO).

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Operation Plan

Subsidence Control Plan Subsidence

Deficiencies Details:

R645-301.525.541 The location of the angle of draw line drawn on the map titled 'Projected Subsidence Analysis Sufco 3R2S/South Fork Quitcupah Shelter Area' has been incorrectly placed. The permittee must depict the angle of draw measured from the outermost boundary of any underground workings.

R645-301.525.240 The permittee must submit a detailed subsidence analysis that pertains to the areas beneath and adjacent to the rock shelters. The surface subsidence analysis performed by Jake Smith, including supporting calculations, provided through a memorandum will be considered adequate and should be submitted in such a way as to be kept confidential, according to R645-301.525.240.

jowen