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State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

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February 5, 1999

TO: File

THRU: Daron Haddock, Permit Supervisor *100274*

FROM: Wayne H. Western, Senior Reclamation Specialist

RE: 150-Acre Lease Modification, Canyon Fuel Company, LLC, SUFCO Mine, w/w
ACT/041/002-98-2, File #2, Sevier County, Utah

SUMMARY:

On December 7, 1998, the Division received permit change from the SUFCO Mine. The permit change was for adding a 150-acre lease to the existing permit area. On January 29, 1999 the Division received the Record of Decision for the Pines Tract Project. The Forest Service will allow the Permittee to mine the 150-Acre IBC but they will not be allowed to undermine Box Canyon.

Technical Analysis:

OPERATION PLAN

SUBSIDENCE CONTROL PLAN

Analysis:

Subsidence control plan.

The Division reviewed the subsidence control plan. During the review the Division found that the angle-of-draw used to calculate the area of potential subsidence was not clearly stated. In the text the Permittee states that measurements show that the angle-of-draw at the SUFCO Mine ranges from 10° to 21° (page 5-19). On page 5-23a the Permittee states that an angle-of-draw of 15° would be used to calculate the area of potential subsidence. However,

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the Permittee does not state why 15° is used when an angle-of-draw of 21° has been measured.

The Division contacted the Permittee by phone to determine what the angle-of-draw was used to determine the subsidence boundary for the 150-acre lease addition. The Permittee informed the Division that the angle-of-draw for areas where longwall mining is used is 15° and in continuous miner section the angle-of-draw is 21°. The Permittee must clearly state in the MRP what angle-of-draw was used to calculate the areas of potential subsidence in longwall and continuous miner sections. See the requirements of R645-301-121.200, R645-301-525.130 and R645-301-525.542.

Findings:

The information provided in the proposed amendment is not considered adequate to meet the requirements of this section. Prior to approval, the Permittee must provide the following in accordance with:

R645-301-121.200, R645-301-525.130 and R645-301-525.542 The Permittee must clearly state the angle-of-draw that was used to calculate the area of potential subsidence for longwall and continuous miner sections.

MAPS, PLANS, AND CROSS SECTIONS OF MINING OPERATIONS

Analysis:

The Permittee modified Plate 5-1 "Previously Mined Areas," Plate 5-2C "Details of Portal Facilities," Plate 5-5 "Existing Surface and Subsurface Facilities and Features," Plate 5-6 "Land Ownership," Plate 5-7 "Upper Hiawatha Mine Plan 5Year Projection," Plate 5-8 "Lower Hiawatha Mine Plan," and Plate 5-10 "Potential Subsidence Limits" to either update them with new information and/or to include the lease modification area. The Division reviewed the maps on December 21, 1998 and found that they meet the minimum regulatory requirements.

Because the Forest Service announced on January 28, 1999 that they will not allow longwall mining under Box Canyon the Permittee must modify at a minimum the mine maps.

Findings:

Information provided in the proposed amendment is not considered adequate to meet the requirements of this section. Prior to approval, the Permittee must provide the following in

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accordance with:

R645-301-521.140 to R645-301-521.142, The Permittee must update all mine and subsidence maps to show the changes to not longwall mining under Box Canyon.

cc: Paul Baker
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