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State of Utah

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August 21, 1989

TO: File

FROM: David Darby *DD*

RE: Mid-term Permit Review, Convulsion Canyon Mine, ACT/041/002, Southern Utah Fuel Company (SUFCo), Sevier County, Utah

SUMMARY

A mid-term completeness review was conducted on SUFCo's current Mining and Reclamation Plan. The following comments pertain to the ground water, subsidence and geology regulations. Their findings are as follows.

ANALYSIS

UMC 783.15 Ground Water Information-DWD

The applicant should use existing data to derive a table or graph illustrating the amount of ground water discharge from the mine from over time. The operator has mentioned that mine discharge volumes were over rated prior to emplacement of a weir at the outlet of the underground sump. The applicant should develop a correlation between the mine discharge data sets collected before and after weir installation.

Well data should be updated and illustrated on graphs. The functional status of each well should be updated. A table should be developed to include all functioning wells. The table should indicate total depth drilled, total depth cased (feet), total depth measured (feet), the top of casing (elevation), top of the coal seam (elevation), depth to the coal seam (feet), depth and length of perforation.

UMC 784.20 Subsidence-DWD

The applicant should submit updated mining sequence maps which will also include areas planned for mining throughout the five year permit term.

Conclusion

The information requested above is essential in evaluating mining effects to the hydrologic balance with respect to ongoing mining operations.

dwd

cc: B team