

### Document Information Form

Mine Number: C/041/002

File Name: Internal

To: DOGM

From:

Person N/A

Company N/A

Date Sent: FEBRUARY 16, 1984

Explanation:

INSPECTION MEMO TO COAL FILE.

\_\_\_\_\_  
\_\_\_\_\_

cc:

File in:  
C/041, 002, Internal

- Refer to:
- Confidential
  - Shelf
  - Expandable

Date \_\_\_\_\_ For additional information

February 16, 1984

Inspection Memo  
to Coal File:

RE: Convulsion Canyon Mine  
Southern Utah Fuel Company  
ACT/041/002, Folder # 7  
Sevier County, Utah

A partial inspection of the above mentioned operation was conducted by Sandy Pruitt on January 18, 1984 from 1:00 P.M. to 2:00 P.M. in response to a letter dated January 4, 1983 reporting a recent slope failure. Mike Davis, Southern Utah Fuel Company (SUFCO) was available to accompany the inspector on a complete tour of the mine site.

The slope failure occurred where snow was being placed on the pad outslope and was reportedly due to rapid snow melt and a break in a water line just south of the office. The parking lot flooded and drained along a berm toward the snow storage site and into the fill, saturating the fill slope at that point and causing a small failure at the crest of the slope which resulted in surface mud flow from the crest of the slope down to the sediment pond (but fortunately not into the pond). The slide appeared stable at the time of this inspection (it was still frozen conditions). The drainage pattern in the snow near the sediment trap discharge pipe and since the trap has not overflowed and appears to be draining, indicates that the discharge point is not blocked although, due to frozen conditions, no discharge was observed at this time. The leaking water line was repaired immediately upon detection (after the weekend) and the crest of the slope was regraded and graveled for better drainage to the inside of the road towards the sediment trap. The large berm along the crest of the slope was replaced also. Snow will no longer be stored at this point.

The snow disposal site at the south end of the parking lot was improved since the last inspection. This site is located adjacent to the septic tank where a slope failure occurred last year. To prevent another failure a drainage ditch was installed between the septic tank and the snow storage area to collect the snow melt for direct diversion through a siltfence and offsite. This improvement should limit ponding in the slide area as long as the ditch line is maintained at a sufficient depth and pitch for unimpeded drainage. SUFCO should consider lining the ditch to prevent seepage into the slide area.

Snow removed from the road and loadout yard is being stored on the berm from the sediment trap to the guard shack. To minimize snow accumulations, SUFCO has begun spreading the snow back onto the road for the trucks to drive over and melt the snow quicker. As evidenced by the recent slope failure, snow melt onto the fill slope can affect the slope stability. By reference to a slope stability bore in 1981 for the static safety factor greater than 1.5. But manage be controlled to minimize runoff degree of soil saturation is minimized (which should continue trying to reduce snow accumulation along the berm length or saturation or : the snow piles along the long the down slopes so that

File in:

- Confidential  
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Refer to Record No. 0002 Date 2-16-1984

In C/ 041, 002, Internal

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A small amount of snow removed from the shop yard was pushed over the berm onto the fan exhaust pad (a small area exemption). Additional contributions of snow removed from the disturbed area should be prevented as this could contaminate runoff from the small area which would warrant a Notice of Violation.

The new mine identification sign was posted by the end of this inspection. The new sign is enameled metal and contains all of the required information and in addition the mine lease number, the BLM, MSHA and NPDES permit numbers.

Mining was advancing in section 3R5N (floor) and rooms were being mined in section 1R4E. Secondary mining was underway in sections 1L4E, 1L2W, 1R1W, and 2R1W. The recent subsidence area is inaccessible due to snow so no one from the mine has observed or surveyed the subsidence cracks reported by Steve Robison, Manti LaSal Forest Service. An older surface crack above the 5N reservoir (where a roof fall was reported to have occurred in the fall of 1983) has been mapped.

No violations were warranted as a result of this inspection.

Sandy Pruitt   
Field Specialist

SP:re

cc: Tom Ehmett, OSM  
Joe Helfrich, DOGM  
Wayne Hedberg, DOGM  
Mike Davis, Southern Utah Fuel Company

Statistics: See Genwal memo dated January 31, 1984  
75380