

Document Information Form

Mine Number: C1041/002

File Name: Internal

To: DOGM

From:

Person N/A

Company N/A

Date Sent: JUNE 2, 1981

Explanation:

MEMO TO COAL FILE.

cc:

File in:
C1 041 , 002 , Internal

Refer to:

- Confidential
- Shelf
- Expandable

Date _____ For additional information

June 2, 1981

Memo to Coal File

Re: Convulsion Canyon
Southern Utah Fuel Company
ACT/041/002
Sevier County, Utah

#7

On May 20, 1981 Division Inspector, Tom Portle, performed a partial inspection of the above-mentioned mine site. He was accompanied by Kerry Frame Chief Engineer for SUFCO.

The off site county road which had the slope failure was inspected. This failure had occurred on February 6, 1981. The damage from this had been nearly repaired. All that remained to be completed at this time was to pave the road. The failure which was determined to be due to the accumulation of water behind clay layers which resulted in the slope failure. Steps taken to prevent a re-occurrence included the installation of rock drains, removal of the blue clay layer, replacement of slope material from the borrow area discussed in the May 19, 1981 memo, and placement of boulders at the base of the slope. Finally, the slope will be seeded with a Forest Service seed mix.

With regard to the borrow area in question Mr. Frame had graded the area toward a sediment basin and stockpiled the topsoil. No danger or environmental harm is present. Should any runoff leave the area, it is level area with a dense stand of sagebrush, and is isolated from the drainage. Mr. Frame agreed to place straw bales in the area above the affected slope, which is down slope from the road, where moderate erosion is in evidence.

A material storage pad has been completed and looks stable. A ripraped channel carries any water from this pad and protects the down slope. However, once the runoff exists this channel it is rather undefined and some potential for an erosion exist. It is not a problem at this time but I recommended that additional measures be implemented in the near future. Options that were discussed included a half covered ditch to a gravel channel with a perforated PVC pipe.

We attempted to obtain water samples from both the Mud Spring Canyon and from East Spring Canyon drainages. However, even though a precipitation event was in progress and had been for quite some time, there was no runoff from either of these areas.

The water sample was taken by Mr. Frame below the sediment pond, at this point a culvert carrying mine water discharged mixed with undisturbed water empties into the drainage. The water at this point appeared rather dirty. Mr. Frame said he would copy me with the lab data, following the analysis. The sediment pond had discharged but not so during the inspection. No sample had been taken when this discharge had occurred in the past. The pond discharged on at least 2 occasions, and at least once since the last inspection. We discussed possibilities for insuring that a sample is taken during a discharge event.

The riprap ditch had been completed along the sediment pond access road and riprap had been continued as a inlet structure into the sediment pond. Water bars had been installed and the road had been generally graded towards the ditch.

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Southern Utah Fuel Company
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A silt fence had been installed about 10 yards below the topsoil and along the creek. Some slope failure had occurred below the topsoil stockpile. This area is slated to be filled and stabilized. None of this material had left the site. This small area which had experienced slope failure should be checked on the next inspection to determine that it has been adequately repaired.

No violations were warranted.

THOMAS L. PORTLE ^{TLP}
RECLAMATION OFFICER

cc: Tom Ehmett, OSM
Kerry Frame, SUFCO

Statistics:
See Factory Butte memo, dated June 2, 1981
Grant A & E

TLP/bb