

0006

Document Information Form

Mine Number: C/015/017

File Name: Internal

To: DOGM

From:

Person N/A

Company N/A

Date Sent: SEPTEMBER 22, 1983

Explanation:

INSPECTION MEMO TO COAL FILE

cc:

File in:
C/015, 017, Internal

Refer to:

- Confidential
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Date _____ For additional information

September 22, 1983

Inspection Memo to
Coal File

RE: Utah Power and Light Company
Des-Bee-Dove Mine
ACT/015/017, Folder No. 7
Emery County, Utah

On August 25, 1983 an inspection of the Des-Bee-Dove facilities was conducted by Ken Wyatt of the Division. Larry Guymon accompanied this inspector on the field tour. The purpose of this inspection was to examine storm damage that occurred during a precipitation event on August 12, 1983. UP & L reported this storm dropping an excess of 2.5 inches of rain in less than 2 hours, extensive damage did occur to much of the mine area.

The newly constructed haul road that connects with the Wilberg haul road was observed and it appears that during the storm event debris had plugged in the culvert that drains the Des-Bee-Dove mine drainage under the road to the sediment pond. This culvert being plugged created a large impoundment on the upstream side. Tension cracks were observed in the road due to this flood damage. Mr. Guymon indicated that UP & L had blasted the debris loose following the precipitation event. Water marks were seen indicating a ponding of approximately 30 feet deep upstream from the road. The sedimentation pond was filled with sediment. Mr. Guymon indicated that estimates from Emery Mining Corp. suggests that 35,000 cubic yards of sediment were now in the sediment pond. This pond will need to be drained and dredged in order to restore its design capacity.

The main access road as it enters the Des-Bee-Dove property received some damage at the point where the drop drains channel disturbed area water into the drainage to the sediment pond. Water washed out the outer most drop drain and a large section of the roadbase was under cut and eroded. This creates some problem to the stability of this road and Mr. Guymon indicated that a new road was going to be surveyed and established. This construction is pending U. S. Forest Service approval prior to construction. A large erosion problem was evident below the lower material storage pad. This was caused by much of the disturbed area water flowing over the roads edge and eroding the downslopes to this pad.

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Further up in the disturbed area, the recently reasphalted parking pad adjacent to the bathhouse had failed. A large quantity of water flowed across this pad and eroded portions of the pads downslope and base. Chunks of asphalt were observed missing and in one section the guardrail around the perimeter of this pad was hanging in mid air.

On the Little Dove/Beehive portal pad much sediment from the adjacent hillside had accumulated on this pad and in the Beehive portal. To the amazement of this inspector approximately six feet of sediment had accumulated in the western entrance to the Beehive portals and a larger quantity of material was observed stockpiled on the pad itself. This material should probably be analyzed and tested for topsoil capabilities since it is basically topsoil from the adjoining hillsides. Water marks on the eastern most Beehive portal indicated that flow was approximately two feet deep flowing into the mine during the storm event.

Other damage on the Beehive/Little Dove pad was observed at the point where the binwall had failed earlier this year. Large quantities of water had washed over the edge of this pad and eroded the downslope hindering completion of the binwall slope failure repair work. Throughout the mine area, erosion from this storm is apparent and Mr. Guymon indicated that early estimates of storm damage would probably come close to 400 or 500 thousand dollars. At this time much work is on going in efforts to repair this damage.

Utah Power and Light is requested to submit to the Division documentation from their weather monitoring station in order to document the fact that the precipitation event in question did exceed the ten year twenty-four hour event. This should be submitted at the earliest possible time.

KEN WYATT *KW*
FIELD SPECIALIST

KW/jvb

cc: Tom Ehmett, OSM
Larry Guymon, Emery Mining Corp.
Joe Helfrich, DOGM

Statistics:

See Utah Power and Light Deer Creek Mine Memo dated September 22, 1983

Grant A & E