

Document Information Form

Mine Number: C/015/017

File Name: Internal

To: DOGM

From:

Person N/A

Company N/A

Date Sent: JANUARY 20, 1984

Explanation:

INSPECTION MEMO TO COAL FILE.

cc:

File in: C/015, 017, Internal

Refer to:

- Confidential
- Shelf
- Expandable

Date _____ For additional information

January 20, 1984

Inspection Memo
to Coal File:

RE: Utah Power and Light Company
Des-Bee-Dove Mine
ACT/015/017, Folder # 7
Emery County, Utah

DATE: December 20, 1983
TIME: 8:15 a. m. - 1:10 p. m.
WEATHER: Overcast and cold with intermittent snow showers.
COMPANY OFFICIAL: Larry Grymon and Dale Grange
STATE OFFICIAL: Ken Wyatt
ENFORCEMENT ACTION: Issuance of NOV 83-7-10-1

Compliance with Permanent Performance Standards

UMC 771 et al Permits

Interim approval to operate the Des-Bee-Dove Mine was granted in a letter from Ron Daniels of the Division dated May 11, 1978.

At the time of this inspection a verbal approval became effective to bypass undisturbed drainage around the sediment pond in order that sediment can be dredged from the pond. This approval was followed up with a letter from Jim Smith dated December 20, 1983. In this letter it stated that this approval was contingent upon approval from the State Division of Environmental Health.

A January 3, 1984 letter from Calvin Sudweeks of the Division of Environmental Health granted a variance for the bypass of this uncontaminated seep water at the Des-Bee-Dove Mine. This variance will be in effect for a two week period. Also stated in this approval letter from State Health was the fact that should snow melt or runoff occur during the variance period this water will be diverted into the sedimentation pond.

UMC 817.11 Signs and Markers

Perimeter markers and the mine identification sign are all posted as required.

UMC 817.41-.52 Hydrologic Balance

The cleaning work on the sediment pond is still continuing. Progress is slow due to continual input of water from seeps and springs located in the canyon walls above the pond. Mr. Guymon, Dale Grange and this inspector hiked

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down from the mine site to sample the seeps to assess the water quality. The results of this analysis are depicted below:

TABLE I

Des-Bee-Doe Seeps Above Sediment Pond

<u>PARAMETER</u>	<u>CONCENTRATION</u> *
Conductance	6000
TDS	4060
Sulfates	1100
Sodium	531

*All values are mg/l except cond which is umhos/cm

On December 17, 1983, Emery Mining Company requested to the Division of Oil, Gas and Mining and State Health to channel these undisturbed seeps around the sediment pond during the remainder of the pond cleaning period. On January 3, 1983, a letter from Calvin Sudweeks of the Utah Division of Environmental Health granted a two week variance for this diversion, as long as the diversion was not used during storm runoff events. Mr. Guymon further indicated that Emery Mining Corporation would place strawbales in the drainage below this diversion as an added protective measure.

UMC 817.52 Surface and Ground Water Monitoring

NPDES Permit No. UT-0023591 was issued to Utah Power and Light on March 22, 1982 with an effective date of April 21, 1982. This permit allows discharge from the Des-Bee-Dove sediment pond into Grimes Wash. The expiration date for this permit is December 31, 1987.

Normally no discharge occurs from this sediment pond, however, during the August flash flood event in excess of the ten year 24 hour storm, the pond was reported to have discharged. No surface water monitoring data has been conducted in this canyon due to the dry nature of the mine.

UMC 817.71-.73 Disposal of Underground Development Waste and Excess Spoil and Non-Acid and Non-Toxic Forming Coal Processing Waste

On February 25, 1983 in a letter from Jim Smith of the Division, approval was granted to Utah Power and Light to utilize Waste Rock Disposal Cell No. 2 for underground development waste disposal. This approval had one condition and two stipulations attached which were accepted by Utah Power and Light via a letter on March 1, 1983. This disposal site is for use by both the Des-Bee-Dove Mine and the Wilberg Mine. At the time of this inspection a dump truck filled with underground development waste from the Des-Bee-Dove Mine was

observed leaving the mine area. Mr. Guymon indicated that waste rock and underground development waste was still being placed in the approved disposal site. Observation of this truck revealed that it did not proceed to the approved underground development waste disposal site. The truck was subsequently followed to the Hunter Power Plant where it was observed dumping this material at the fly ash disposal area. A great quantity of other underground development waste was observed at the power plant. As a result of this unapproved disposal site NOV N83-7-10-1 was issued following this inspection and reads as follows:

Notice of Violation No. N83-7-10-1

Violation No 1 of 1

Nature of Violation:

Failure to conduct underground coal mining activities in accordance with an approved plan.

Failure to dispose of underground development waste in a designated disposal area authorized for such purposes.

Provisions of the Regulations, Act, or Permit Violated

UCA 40-10-9
UMC 771.19
UMC 817.71
UMC 817.74

Portion of the Operation to which Notice Applies

Underground development waste being disposed of at the fly ash disposal area at the Hunter Power Plant from the Des-Bee-Dove and Wilberg Mines.

Remedial Action Required

- A. Cease further disposal activities not in accordance with the approved underground development waste disposal plan.
- B. Remove underground development waste from the unpermitted site at the power plant, or obtain approval for such disposal.

Time for Abatement

- A. Immediately no later than December 20, 1983.
- B. Two weeks, no later than January 3, 1984.

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UMC 817.121-.126 Subsidence Control

The Utah Power and Light 1982 subsidence report was submitted to the Division of Oil Gas and Mining on October 20, 1983. In this report several subsidence areas detected during the 1981 monitoring period were resurveyed. The Beehive Eighth West subsidence zone did not change between the 1981 and 1982 surveys. Utah Power and Light concluded that this panel had become stabilized.

The 1982 monitoring program revealed a new subsidence area in the vicinity of the Little Dove first north panel. Utah Power and Light reports that the this area is adjacent to the abandoned American Fuels mine workings. They further speculate that recent mining in the Little Dove first north panel may have rejuvenated stresses in the vicinity of the old mine workings thus causing subsidence to occur. This report states, "It is felt that this area will have no impact on the hydrology of this area because the strata appeared dry and no springs have been observed on the surface in this area".

In the Beehive Fourth West and Deseret Fifth West panels, mining was completed prior to 1981. Subsidence in this area is monitored using the conventional monument grid survey. Results of the 1982 survey indicate that the maximum amount of subsidence in this area increased from 1.7 feet in 1981 to 2.5 feet. Future monitoring for this area will include a 1983 ground survey, should no further subsidence be detected, then this area will no longer be surveyed on the ground. Annual aerial photogrammetric methods will be used for this area for the remainder of the life of the Des-Bee-Dove mine.

Ken Wyatt *KW*
Field Specialist

KW:re

cc: Tom Ehmett, OSM
Larry Gynon, Emery Mining Corporation
Joe Helfrich, DOGM
Mary Boucek, DOGM

Statistics: See Wilberg Mine Memo dated January 19, 1983
Grant: A&E