

0020

### Document Information Form

Mine Number: C/015/018

File Name: Internal

To: DOGM

From:

Person N/A

Company N/A

Date Sent: March 15, 1984

Explanation:

Inspection Memo

cc:

File in: C/015, 018, Internal

Refer to:

- Confidential
- Shelf
- Expandable

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

March 15, 1984

Inspection Memo  
to Coal File:

RE: Utah Power & Light Company  
Deer Creek Mine  
ACT/015/018, Folder #7  
Emery County, Utah

DATE: January 26, 1984  
TIME: 11:00 a.m. - 3:30 p.m.  
WEATHER: Clear and cold, approximately 30°  
COMPANY OFFICIALS: Larry Guymon  
STATE OFFICIALS: Ken Wyatt  
ENFORCEMENT ACTION: None

Compliance With Permanent Performance Standards

UMC 771 et al Permits

Applicable permits and approvals available at the mine office included:

1. A May 11, 1978 letter from Ron Daniels granting interim approval to operate.
2. A U. S. Forest Service special use permit for 5.85 acres of USFS land to be used for the employee parking and equipment and material storage pad. This permit was modified on March 26, 1981 for the installation of railroad tracks around the outer edge of the pad along the highwall. This track installation has not been done to date.
3. A January 18, 1984 letter from Jim Smith of the Division granting approval to temporarily store waste rock at the Deer Creek Mine in accordance with the proposed waste rock handling plans.
4. A Utah State Health Department construction permit dated October 4, 1983 for the installation of the sewage treatment absorption field and pipeline.
5. The Division approval for item #4 above dated October 27, 1983.
6. The Utah State Lands and Forestry approval from Paul E. Pratt. This approval was for the installation of the above mentioned pipeline.
7. The Utah State Health final inspection report for the pipeline dated January 3, 1984. This was following an on site inspection by J.

File in:

- Confidential  
 Shelf  
 Expandable

Refer to Record No. 0020 Date 3-15-84

In C/ 015, 018, Internal

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

March 15, 1984

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3. A January 18, 1984 letter from Jim Smith of the Division granting approval to temporarily store waste rock at the Deer Creek Mine in accordance with the proposed waste rock handling plans.
4. A Utah State Health Department construction permit dated October 4, 1983 for the installation of the sewage treatment absorption field and pipeline.
5. The Division approval for item #4 above dated October 27, 1983.
6. The Utah State Lands and Forestry approval dated September 19, 1983 from Paul E. Pratt. This approval was for the use of state lands for the installation of the above mentioned absorption field.
- 7.. The Utah State Health final inspection report of the leachfield and pipeline dated January 3, 1984. This approval was considered final following an on site inspection by Joseph Callor.

UMC 817.11 Signs and Markers

The mine identification sign, perimeter markers and buffer zone markers were all posted as required.

UMC 817.41-.52 Hydrologic Balance

At this time the right fork of Deer Creek at the undisturbed bypass culvert inlet was examined. No flow was observed in the drainage and the inlet was clear and unobstructed.

The work conducted on the leachfield installation was examined. It appeared adequate. The disturbance created will need to be revegetated this spring. Notice of Violation N83-7-9-2 was terminated following this inspection.

The slotted drop drain across the mine access road adjacent to the sediment pond was becoming plugged with mud and sediment. This grate will need some maintenance work to prevent bypass of disturbed area drainage.

UMC 817.52 Surface and Ground Water Monitoring

The Deer Creek Mine was issued NPDES permit NO. UT -0023604 on March 22, 1982 with an effective date of April 21, 1982. This permit allows discharge from the Deer Creek sediment pond into Deer Creek directly below the Deer Creek undisturbed bypass culvert. A letter dated January 23, 1984 reported that no discharge had occurred at Pt.004 for the fourth quarter of 1983.

Surface water monitoring data was examined for January 1984 (Table 1). Data for November and December 1983 were not available.

TABLE I

DEER CREEK SURFACE WATER MONITORING

DATE	SITE	FLOW (GPM)	TEMP	pH	TSS	Fe	Mn	TDS	COND
1-10-84	Above	65.2	32	8.0	.5	<.05	<.01	350	610
	Below	87.9	32	8.0	23.5	<.01	<.01	988	1650

Mr. Guymon indicated that the 1982 report states that the surface sampling point will be sampled quarterly after October of each year. Data from October back through the second quarter 1983 are discussed in a previous memo dated December 20, 1983.

A question arises from this inspection as to whether or not Division approval is necessary to allow UP&L to modify the approved hydrologic monitoring plan by implementing the recommendations found in the annual hydrologic monitoring report. It is the opinion of this inspector that specific Division approval would be required prior to Utah Power & Light implementing any changes to the already approved plan.

UMC 817.71-.73 Disposal of Underground Development Waste and Excess Spoil  
and Nonacid and Nontoxic Forming Coal Processing Waste

Underground development waste produced at the Deer Creek Mine is currently being end dumped from the eastern edge of the material storage yard. UP&L submitted to the Division for approval a waste rock disposal plan on November 8, 1983. This plan was incorporated into the overall mine MRP scheduled for approval this spring. UP&L was approved to temporarily store waste rock in this area so long as this storage complies with the proposed plan upon approval.

UMC 817. 81-.93 Coal Processing Waste

Coal processing waste generated from the Deer Creek trommel screen is transported to the base of the temporarily approved waste rock disposal site and compacted there. This material is a combination of coal and reject rock from this sizing facility.

UMC 817.89 Disposal of Noncoal Waste

Noncoal waste is hauled from the mine site to the Hunter Power Plant where it is disposed of in the solid waste landfill.

UMC 817.100 Contemporaneous Reclamation

The disturbance created for the septic tank leachfield system will need to be revegetated this spring with the appropriate seed mix.

UMC 817.121-.126 Subsidence Control

The 1982 subsidence monitoring report received by the Division on October 20, 1983 indicated that several areas of subsidence or additional subsidence were detected during the monitoring period. Several of these areas are located above the Deer Creek Mine workings.

The Deer Creek 9th west panel continued subsiding as detected, although the area has been abandoned since the completion of the 1981 survey. Additional surface fractures were also detected.

The Deer Creek first north, abandoned since 1978, showed additional subsidence from two feet to 2.5 feet this area is directly above the abandoned panel. No added surface fracturing was reported for this area.

Other areas mined utilizing long wall methods showed additional subsidence of up to 5 feet. The 6th east panel was reported as having the greatest amount of subsidence. The report further indicated that no surface fracturing was observed in this area.

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No effects on any springs or other hydrological regimes were observed or detected as described in UP&L report. UP&L feels that the mining methods they utilize are suited to the geological conditions of the lease areas and allows a controlled subsidence to occur.

Ken Wyatt *KW*  
Field Specialist

KW:re

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

Statistics: See Co-op Mining Company Bear Creek Canyon Mine memo dated March 15, 1983.  
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