0028

Document Information Form

Mine Number: C/015/017

File Name: Internal

To: DOGM

From:

Person N/A

Company N/A

Date Sent: MARCH 23, 1984.

Explanation:

INSPECTION MEMO TO COAL FILE.

cc:

File in:
C/ 015, 017, **Internal**
Refer to:
- ☐ **Confidential**
- ☐ **Shelf**
- ☐ **Expandable**

Date _____ For additional information

March 23, 1984

Inspection Memo
to Coal File:

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

DATE:	March 21, 1984
TIME:	9:30 a.m. - 12:30 p.m.
WEATHER:	Partly cloudy, cool and windy
COMPANY OFFICIALS:	Larry Guymon
STATE OFFICIALS:	Ken Wyatt
ENFORCEMENT ACTION:	None

Compliance With Permanent Performance Standards

UMC 771 et al Permits

Applicable letters of approval and permits available for inspection at the mine office included:

1. An interim approval letter from Ron Daniels of the Division dated May 11, 1978.

2. A U. S. Forest Service special use permit for 100.41 acres of Forest Service land. This permit was issued on February 10, 1977 from Ross E. Butler, Acting Forest Supervisor. The use of this land was approved for roads, water lines, and other mining functions. This special use permit is located in section 25 and 26, in T 17S, R 7E.

3. A Utah Division of State Lands and Forestry special use permit #436 was issued to UP&L on October 13, 1978. This permit began November 1, 1978 with a lease of 20 years for the installation of the Des-Bee-Dove sediment pond. The location of this special use permit area is located in the northwest quarter of the northwest quarter of section 36, T 17S, R 7E.

UMC 817.11 Signs and Markers

All signs and markers at the Des-Bee-Dove Mine are posted as required.

UMC 817.41-.52 E

The sediment l and stored northwest of the sediment pon ember 1983 were examined. This area remain with the operator concerning the s conditions present. Mr. Guymon indicated e are conducted every other day and re cracks were observed, however, no seeps or wet spots were present in the outer embankment.

File in:
☐ Confidential
☐ Shelf
☐ Expandable
Refer to Record No 0028 Date
In C/ 015, 017, Internal
For additional information

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UMC 817.41-.52 Hydrologic Balance

The sediment pond's sediments excavated last fall and stored northwest of the sediment pond as approved by the Division in November 1983 were examined. This area remains very moist. A discussion was held with the operator concerning the stability of the dike due to the wet conditions present. Mr. Guymon indicated that visual observations of the dike are conducted every other day and recorded in a notebook. Some settling cracks were observed, however, no seeps or wet spots were present in the outer embankment.

The use of plants for dewatering purposes was discussed with the operator. Vegetative species for this purpose would need to be both salt tolerant and flood tolerant and also adaptable to clay type soils. Suggested plant species with these characteristics are listed in the Attachment 1.

UMC 817.52 Surface and Ground Water Monitoring

UP&L was issued NPDES permit # UT-0023591 effective May 12, 1982. This permit expires on December 31, 1986 and allows discharge from the Des-Bee-Dove sediment pond into Grimes Wash. The only reported discharge from this pond occurred in August 1983 during a precipitation event in excess of the 10 year 24 hour event.

UMC 817.89 Disposal of Noncoal Waste

Noncoal waste generated at the Des-Bee-Dove Mine is currently hauled to the Hunter Power Plant's solid waste land fill. Mr. Guymon indicated that UP&L is considering changing these practices to utilize the Emery County sanitary land fill. This change would result in considerable savings to the company.

UMC 817.100 Contemporaneous Reclamation

The old water tank/pump station access road still needs portions to be reclaimed. Plans for this activity have been prepared but were not submitted to the Division last fall. The operator indicated that this work would be done following the MRP final approval since the reclamation plan has been incorporated into the MRP which is scheduled for approval sometime this spring.

UMC 817.111-.113 Revegetation

The sediment storage area adjacent to the sediment pond should be revegetated with salt and flood plants for the time being. This would help dewater and stabilize this area. Possible species that could be utilized are described in Table 1 (See attachment 1). UP&L should consider utilizing some of these species to help dewater and reclaim this area.

UMC 817. 121-.126 Subsidence Control

Subsidence due to the Des-Bee-Dove Mining operation is monitored and reported in an annual subsidence report submitted to the Division. Subsidence monitoring is conducted using aerial photogrammetric techniques in conjunction with monumented grid surveys. The 1982 subsidence report was received by the Division in October 1983. For further discussions on subsidence the reader is referred to a Memo to Coal File dated January 20, 1984 or the actual 1982 Utah Power and Light Company subsidence report filed with the Division.

ATTACHMENT I

TABLE I

Common Name Genus Species	Intro or Native	Salt Tolerance	Flood Tolerance	Soil Adaptability
* Alkali Sacaton (Sporobolus airoides)	N	Good	Good	clayey
* Western Wheatgrass (Agropyron smithii)	N	Good	Good	Medium - clayey
* Inland Saltgrass (Distichlis spicata)	N	Very/Good	Fair/Good	Medium - clayey
* Yellow Sweetclover (Melilotis officinalis)	N	Fair/Good	Poor/Fair	All
Shadscale (Atriplex confertifolia)	N	Good	Fair	All
Strawberry Clover (Trifolium fragiferum)	I	Good/Fair	Good	Medium - clayey
Nuttal Saltbush (Atriplex nuttalii)	N	Good	Good	Medium - clayey
Basin Wildrye (Elymus cinereus)	N	Good/Fair	Good/Fair	Medium - Clayey
* Tall Wheatgrass (Agropyron elongatum)	I	Very Good	Good	Medium - clayey
Tall Fescue (Festuca arundinacea)	I	Fair/Good	Good	Medium - clayey
Green Molly (Kochia americana)	N	Good	Fair	Medium - clayey
Slender Wheatgrass (Agropyron trachycaulum)	N	Fair/Good	Poor/Fair	Medium - clayey
Winterfat (Ceratoides lanata)	N	Good	Good	Various

* Highly recommended

Sources

1. Long, Stephen G., Characteristics of Plants Used in Western Reclamation 2nd ed., Environmental Research & Technology Inc. 1981.

2. Thornburg, Ashley M., Plant Materials for Use on Surface-Mined Lands in Arid and Semiarid Regions. Soil Conservation Service, Technical Publication #157, January 1982.

3. Vallentine, John F., Range Development and Improvement, 2nd ed., BYU Press 1971.

UMC 817.150-.176 Roads

The main mine access road damaged in the August 12, 1983 flood is still in a state of ill repair. Mr. Guymon indicated that until the overall mine MRP is approved that no repair work on this access road would be conducted. Rock generated from the road's realignment would be used in the stabilization of the adjacent material storage pad's downslope. This rock cannot be approved for use in the material storage pad's downslope until the overall MRP is approved. The operator further stated that the adjacent material storage pad's downslopes will be regraded and stabilized at the same time that the road is repaired.

Ken Wyatt KW
Field Specialist

KW:re

cc: Jodie Merriman, OSM
Larry Guymon, Emery Mining Corporation
Joe Helfrich, DOGM
Mary Boucek, DOGM

Statistics: See UP&L's Deer Creek Mine memo dated March 28, 1984
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