

0016

Document Information Form

Mine Number: C/015/017

File Name: Internal

To: DOGM

From:

Person N/A

Company N/A

Date Sent: JANUARY 5, 1982

Explanation:

INSPECTION MEMO TO COAL FILE

cc:

File in:
C/015, 017, Internal

Refer to:

- Confidential
- Shelf
- Expandable

Date _____ For additional information

January 5, 1982

Inspection Memo
to Coal File:

RE: Utah Power & Light Company
Church Mines
ACT/015/017
Emery County, Utah

DATE: December 9, 1981
TIME: 9:15-11:00 a.m., and 3:15-5:00 p.m.
WEATHER: Cool and Partly Cloudy
COMPANY OFFICIALS: Larry Guymon and Val Payne
STATE OFFICIALS: Dave Lof and Ken Wyatt
ENFORCEMENT ACTION: NAOC 81-4-6-4

Compliance With Permanent Performance Standards

771 et al Permits

Interim approval from the Division was given May 11, 1978. No new developments are in progress requiring further approvals or permits.

817.11 Signs and Markers

The mine entrance sign was present, clearly legible and contained the required information. Perimeter markers were clearly visible throughout the mine permit area.

817.21-.25 Topsoil

This area has been mined since 1938. No further surface disturbances have occurred since the passage of The Surface Mining Control and Reclamation Act of 1977 with the exception of the sediment pond. Topsoil from this excavation is being stored just south of the sediment pond. This soil was seeded in March 1981. Due to inaccessible road conditions, inspectors could not personally tour the area to observe revegetation success and erosion protection.

817.41-.52 Hydrologic Balance

The upper mines (Beehive and Little Dove) are graded to capture surface runoff from the portal area and the access road to East Mountain. This water is conveyed into the Beehive Mine and stored in underground sumps for mine use. Runoff and surface water from the rest of the permit area is diverted by a series of ditches, berms and culverts into the natural drainage leading to the sediment pond. Three areas of concern notices were issued from the office concerning the hydrologic balance. NAOC #1 of 4 was written in reference to a large gully formed in the downslope between the upper coal stockpile pad and the tippel pad. It reads as follows:

File in:

- Confidential
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- Expandable

Refer to Record No. 10016 Date _____
In C/ 015, 017, Internal
For additional information

NAOC 81-4-6-4, #1 of 4

Nature of Concern:

Insure that appropriate sediment control measures are designed, constructed and maintained in order to minimize erosion to the extent possible.

Pertinent Regulation of Permit Condition:

UMC 817.45.

Portion of Operation to Which Notice Applies:

The downslope between the upper coal stockpile pad and the tipple pad.

Compliance Action Required:

- A. Develop and submit to the Division complete and adequate plans for the conveyance of disturbed area runoff in a controlled manner from the upper coal stockpile pad to the tipple pad, i.e., a catch basin on the coal stockpile pad and a culvert to convey the runoff down to the tipple pad.
- B. Implement these plans immediately upon Division approval.

Deadline:

- A. Forty-five (45) days, no later than January 26, 1982.
- B. Immediately upon approval.

NAOC #2 of 4 was written for two areas of the Des-Bee-Dove Mine. The disturbed area drainage ditch on the west side of the parking/office pad had sections where drainage would be blocked or impaired due to noncoal wastes in the ditch and slumpage of the highwall. The second concern was the mine portal pad. A ponding problem exists on the pad near the conveyor. The pad should be maintained to prevent ponding and insure that runoff flows from the pad into the Beehive Mine.

NAOC 81-4-6-4, #2 of 4

Nature of Concern:

Proper maintenance of designed disturbed area runoff sediment control measures.

Pertinent Regulation of Permit Condition:

UMC 817.45.

Portion of Operation to Which Notice Applies:

- A. Disturbed area drainage ditch on the west side of the parking/office pad.
- B. The Beehive-Little Dove pad.

Compliance Action Required:

- A. Clean the ditch out.
- B. Clear the pad of noncoal wastes and regrade the pad so that the disturbed area runoff may drain freely into the Beehive portal, i.e., there should be no ponding of runoff on the portal pad.

Deadline:

- A. Two weeks, no later than December 25, 1981.
- B. Thirty (30) days, no later than January 11, 1982.

Straw bales located just north of the hairpin curve of the mine access road were well worn and in need of replacement. The observation of coal fines in the natural drainage below these bales is evidence that these straw dikes are not functioning as intended. Erosion has occurred creating a bypass in which runoff from the road enters undisturbed areas without first being passed through a sediment control structure (i.e., straw dikes).

In the same vicinity, straw bales in the ditch adjacent to the Class II road leading to the pumphouse were heavily laden and almost buried with sediment. In both cases, replacement of straw bales is required.

NAOC #81-4-6-4, #3 of 4

Nature of Concern:

Prevent to the extent possible additional contributions of sediment to stream flow or runoff outside the permit area.

Pertinent Regulation of Permit Condition:

UMC 817.45.

Portion of Operation to Which Notice Applies:

- A. Straw bales in the diversion ditch where the Class I road makes the hairpin curve.
- B. Straw bales in the diversion ditch along the Class II road to the lower water tank and pump house.

Compliance Action Required:

A. and B. Replace the straw bales.

Deadline:

Two weeks, no later than December 25, 1981.

UMC 817.52 Surface and Ground Water Monitoring

The sediment pond was issued a NPDES discharge permit on August 12, 1980, to discharge into the natural drainage that eventually empties into Grime's Wash. The permit, #UT-0023591, expired December 31, 1980. A permit renewal request letter was available dated April 7, 1981. A letter dated January 5, 1982, from the EPA grants renewal for this permit until December 31, 1986.

No perennial or intermittent streams occur in the mine area due to its high elevation and arid conditions.

Surface runoff is occasionally sampled from the wash below the Church mines. Runoff occurs unpredictably and no consistent monitoring is performed.

Water, when encountered in the mining process, is retained underground for mine use. Three in mine water samples were obtained October 8, 1981. These data were available for examination.

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

Des-Bee-Dove Mine, in conjunction with Wilberg Mine, anticipates generating 11,000 tons of waste rock during their operating lives. A waste rock site is located just north of the Wilberg Mine road approximately one and one-half miles southeast of Wilberg Mine. This waste rock disposal area was granted approval from the Division with three stipulations on September 28, 1981.

UMC 817.89 Disposal of Noncoal Waste

Noncoal waste is temporarily stored on the Deseret Mine pad. Periodically, these wastes are hauled to Hunter Power Plant's landfill for disposal.

A problem existed concerning the placement of noncoal waste on the Little Dove portal pad. Conveyor belting was lying in various parts of this pad in an uncontrolled fashion. The fourth area of concern notice was issued for this problem and reads as follows:

NAOC #81-4-6-4, #4 of 4

Nature of Concern:

Improper placement and storage of noncoal wastes.

Pertinent Regulation of Permit Condition:

UMC 817.89.

Portion of Operation to Which Notice Applies:

Little Dove Mine portal pad.

Compliance Action Required:

Place all noncoal waste in a designated portion of the permit area and in a controlled manner.

Deadline:

Thirty (30) days, no later than January 11, 1982.

UMC 817.97 Protection of Fish, Wildlife and Related Environmental Values

Utah Power & Light submitted to the Division on December 11, 1981, plans pertaining to raptor protection of the 69 KV power lines presently on the Church Mine permit area. This submission is currently being examined to determine if the plans are adequate.

UMC 817.121-.126 Subsidence Control

During the interim program, Utah Power & Light has initiated two monitoring systems. The first consists of on-the-ground surveying of a monument grid layout. The second method uses aerial photogrammetry.

The permanent plan submittal proposes both a conventional field survey method and a photogrammetrical monitoring scheme. The aerial photogrammetry method will be conducted once yearly by the U. S. Forest Service. The field survey plan calls for two to three surveys yearly.

INSPECTION MEMO TO COAL FILE

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UMC 817.150-.176 Roads

Roads in the mine permit area appear to be maintained adequately. However, the Class II road leading to the pump house from the main access haul road and the Class I road at the hairpin turn below the mine entrance need attention. In both cases, replacement of straw bales was required as mentioned in the above NAOC #81-4-6-4, #2 of 4.

KEN WYATT
RECLAMATION OFFICER

Ken Wyatt

cc: Tom Ehmett, OSM
Larry Guymon, Emery Mining Company
Val Payne, Emery Mining Company
Inspection Staff

KW/btb

Statistics:

Vehicle: #EX 71885--178 miles; #EX 68805--220 miles
Per Diem: 2 persons X 3 days, 12.5 hours = \$260.65
Grant: A & E