

Document Information Form

Mine Number: C/015/018

File Name: Internal

To: DOGM

From:

Person N/A

Company N/A

Date Sent: January 6, 1982

Explanation:

Inspection Memo

cc:

File in: C/015, 018, Internal

Refer to:

- Confidential
- Shelf
- Expandable

Date _____ For additional information

January 6, 1982

Inspection Memo
to Coal File:

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

DATE: December 9, 1981 and December 10, 1981
TIME: 9:15-11:00 a.m. and 10:45 a.m.-1:00 p.m., respectively
WEATHER: Clear and Cool
COMPANY OFFICIALS: Larry Guymon and Val Payne
STATE OFFICIALS: David Lof and Ken Wyatt
ENFORCEMENT ACTION: NOV #81-4-8-2

Compliance with Permanent Performance Standards

771 et al Permits

Division interim approval was given in a letter dated May 11, 1978.

817.11 Signs and Markers

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

817.21-.25 Topsoil

The entire mine area was developed pre-Law. Consequently, no topsoil has been saved. No new developments have occurred requiring topsoil removal, storage and protection.

817.41-.52 Hydrologic Balance

Runoff from the undisturbed drainage is passed underneath the permit area through culverts and released downstream of the sediment pond. The permit area is designed to convey disturbed area runoff through a series of drop drains and culverts into the sedimentation pond for treatment. At the time of this inspection, inspectors noted runoff bypassing the drop drains on both sides of the mine access road at the entrance. The following violation was written because of this problem:

NOV 81-4-8-2, #1 of 2

Nature of Violation:

Failure to prevent additional contributor flow or runoff outside the permit area. Failure from the disturbed area through a sedimentation area.

File in:

- Confidential
- Shelf
- Expandable

Refer to Record No 0016 Date 1-6-82

In C/ 015, 018, Internal

For additional information

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NOV 81-4-8-2, #1 of 2

Nature of Violation:

Failure to prevent additional contributions of suspended solids to stream flow or runoff outside the permit area. Failure to pass all surface drainage from the disturbed area through a sedimentation pond before leaving the permit area.

INSPECTION MEMO TO COAL FILE

ACT/015/018A

January 6, 1982

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Provision of Regulation, Act or Permit Violated:

UCA 1953, 40-10-17(2)(j)(ii)(A), UCA 1953, 40-10-18(2)(i)(ii), UMC 817.41(d), UMC 817.42(a)(1).

Portion of Operation to Which Notice Applies:

Two drop drains on each side of the mine access road as it leaves the disturbed area.

Remedial Action:

Reestablish designed structures to insure that disturbed area runoff is conveyed into the drop inlets.

Time for Abatement:

Two weeks, no later than December 25, 1981.

The downslope below and north of the ROM conveyor is in need of some erosion protection. As addressed in a previous memo (see memo of August 4, 1981) this work cannot be done until June 1982. Mr. Guymon indicated Emery Mining Company intends to create a pitch in the ROM conveyor bench. This would insure that runoff and water from the conveyor flows south to the cut side of the bench and downhill towards the office and bathhouse where it would be culverted to the sedimentation pond.

According to Mr. Larry Guymon, plans were being considered for the building of a 20 foot retaining wall on the ROM conveyor bin. This wall would enlarge coal storage capacity and is necessary to prevent coal from overflowing the bin and spilling down the slope.

An erosion problem has existed on the downslope below the ROM conveyor bin for quite some time. Coal has overflowed the bin and spilled down this slope. Plans were discussed during inspections in the summer 1981 for the stabilization of this downslope.

As discussed in a letter dated August 14, 1981, from the Division, it was recommended to Emery Mining Company to submit and fully implement plans for the stabilization of the slope below the ROM bin by fall 1981. On an October 14, 1981, inspection Mr. Guymon informed inspectors that a budget had been allotted but no plans developed. At the time of this inspection, the allotted budget had been withdrawn and no plans were anticipated for the retaining wall and slope stabilization. Because of this, Violation #2 of 2 was issued as follows:

INSPECTION MEMO TO COAL FILE

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NOV 81-4-8-2, #2 of 2

Nature of Violation:

Failure to minimize water pollution and minimize erosion through stabilization of the disturbed area.

Provisions of the Regulations, Act or Permit Violated:

UMC 817.41(d), UMC 817.45, UMC 817.100, UMC 817.101(b)(5).

Portion of the Operation to Which Notice Applies:

The slope below the ROM bin.

Remedial Action Required:

Develop and submit to the Division plans for the stabilization and temporary revegetation of the slope and implement these plans immediately upon Division approval.

Time for Abatement:

Forty-five (45) days, no later than 8:00 a.m., January 26, 1982.

817.52 Surface and Ground Water Monitoring

Deer Creek's Hydrological Monitoring Plan was approved by the Division on October 10, 1979. In this plan, Utah Power & Light is required to submit annual hydrological reports. The 1980 annual report was submitted in October 1981. However, quarterly data should be available at the minesite. The 90 day reporting period specified in the hydrological monitoring plans expires December 31, 1981. Third quarter data should be available at the next monthly inspection.

Data were available for May, June and July. Mr. Guymon stated they were still awaiting Vaughn Hansen reports for August and September. On July 21, 1981, the stream below the mine was dry while above the mine a sample was obtained for analysis.

Deer Creek Mine obtained a NPDES permit, #UT-0023604, to discharge from the sediment pond into the Deer Creek drainage. The initial NPDES permit expired December 31, 1980. A letter dated January 8, 1982, from the EPA approves renewal of this permit until December 31, 1986.

817.61 Use of Explosives

No new developments have occurred requiring explosives.

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

The Deer Creek Mine is currently not producing underground development waste. However, according to the Permanent Program submittal, underground development waste will be retained underground. In the event that underground capacity is exceeded, it is proposed that waste rock will be disposed of at the eastern edge of the lower parking pad.

817.81-.93 Coal Processing Waste

Coal is processed at the Deer Creek Mine. A small pile of processing waste was observed below the breaker and crusher station but posed no potential environmental problems.

817.89 Disposal of Noncoal Waste

Noncoal waste is hauled from the permit area and disposed of at the Hunter power plant.

817.97 Protection of Fish, Wildlife and Related Environmental Values

In response to a DOGM inspection on September 4, 1981, UP&L has submitted (December 11, 1981) a study to show the Church Mine power lines to be raptor protected. However, no mention was made to the status of raptor protection for the Deer Creek Mine power line.

The permanent mining and reclamation plans submitted to the Division states: a single pole, single cross-arm 12.5 KV line serves power to the mining area. Location of the line is its major asset, being that the natural terrain serves as a better vantage point for hunting.

However, photographs included in Volume 3 of the permanent plan show numerous other power line poles in the permit area. These poles must also provide adequate raptor protection according to UMC 817.97(c). This should be discussed with the operator during the next inspection.

On October 16, 1981, Mary Ann Wright then reclamation biologist for the Division, toured the conveyor system with Mr. Guymon to observe potential deer cross areas. Two natural crossings were observed, one at a stream crossing and a second at the coal stockpile at the conveyors terminal end. In a letter to Chris Singleton of UP&L dated August 4, 1981, Lynn Kunzler, reclamation biologist for the Division, referenced a December 1980 letter strongly suggesting that UP&L construct deer crossings along the UP&L conveyor leading to the Huntington Power Plant.

Lynn Kunzler spoke with Mr. Chris Singleton of UP&L on December 28, about possible construction of a third crossing. UP&L is going to conduct an in-house study addressing the feasibility and need of a third crossing.

817.111-.117 Revegetation

No areas have recently been revegetated. However, when the above-mentioned violation is mitigated, revegetation of the slope will be required.

817.121-.126 Subsidence Control

Subsidence monitoring for the interim program consists of monument grid surveys, visual observations and supplemented by aerial photogrammetric techniques. Monitoring is to be conducted twice yearly.

817.150-.176 Roads

Roads to and in the mine area have been in existence for years. They appear to remain stable and properly maintained except for the drainage problem at the mine entrance as addressed in NOV #81-4-8-2, #1 of 2.

KEN WYATT
RECLAMATION OFFICER

Ken Wyatt

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

KW/btb

Statistics:

See Church Mine memo dated January 5, 1982
Grant: A & E