

Document Information Form

Mine Number: C/015/019

File Name: Internal

To: DOGM

From:

Person N/A

Company N/A.

Date Sent: JANUARY 19, 1984

Explanation:

INSPECTION MEMO TO COAL FILE.

cc:

File in: C/ 015, 019, Internal

Refer to:

- Confidential
- Shelf
- Expandable

Date _____ For additional information

January 19, 1984

Inspection Memo
to Coal File:

Re: Utah Power & Light
Wilberg Mine
ACT/015/019, Folder # 7
Emery County, Utah

DATE: December 20, 1983
TIME: 8:15 a.m. - 1:10 p.m.; Field 4:00 p.m. - Office
WEATHER: Clear and cold
COMPANY OFFICIAL: Larry Guymon
STATE OFFICIAL: Ken Wyatt
ENFORCEMENT ACTION: None

Compliance with Permanent Performance Standards

UMC 771 et al Permits

Applicable approvals and permits available at the mine office for inspection included:

1. Interim approval granted in a letter from Ron Daniels of the Division dated May 11, 1978.
2. The US Forest Service special use permit dated January 26, 1978 allowed for the use of 6.73 acres (1.46 miles) of Forest Service land for the mine access road and the installation of the sewer pipeline parallel to the road.
3. Two Bureau of Land Management Right of Ways were examined.
 - A. Right of Way No. UT-37642 was originally issued for a coal stockpile storage area. This was modified on August 28, 1981 to change the use of the area into a waste rock disposal area.
 - B. The second Right of Way No. UT-38063 was issued on August 30, 1977 for the installation of a 69 KV power line.

Both of the above Right of Ways expire on August 30, 2007.

File in:

- Confidential
 Shelf
 Expandable

Refer to Record No 0030 Date 1-19-84
In C/ 015, 019, Internal

For additional information

UMC 817.11 Signs and Markers

All applicable signs and markers were posted as required at the time of this inspection.

UMC 817.42-.51 Hydrologic Balance

The disturbed area ditch just northeast of the tipple was being encroached by the salt stockpile. Should any runoff from the stockpile flow into the ditch it would enter the sediment pond and contribute TDS to the already high concentration.

According to previous inspections (See memo to coal file dated October 12, 1983) and a sediment pond water sample collected during the October 14, 1983 inspection. The TDS concentration of the water in the pond was 20,982 mg/l. This water had an orange color at that time. See Table I below for more complete analyses.

TABLE I

Wilberg Mine Sediment Pond Water
October 14, 1983

Parameter	Analysis *	mg/l
Spec Conductance	32800	-
TDS	20982	-
NO₃ Na	7935	345
Cl	11500	324
SO ₄	500	10.4

*All values are milligrams per liter except Sp conductance which is umhos/cm.

Preliminary indications from this analysis shows that the majority of salts in the pond water are sodium chloride. These salts could probably be traced to salt storage practices at the Wilberg Mine. Should this pond discharge in the near future with such a high TDS concentration, the NPDES Permit will probably be violated. Utah Power and Light is encouraged to mitigate this problem at the earliest possible time. Utah Power and Light should also consider constructing a salt storage bin to prevent future contamination of disturbed area runoff and help alleviate any potential water quality problems from a sediment pond discharge.

At this time disturbed area runoff was flowing into the sediment pond. No discharge from the lower pond was occurring.

The undisturbed inlets at the mine area were all unobstructed and water was flowing in these drainages.

UMC 817.52 Surface and Ground Water Monitoring

NPDES Permit No. UT-0022896 was issued to the Wilberg Mine on November 20, 1981 with an effective date of December 20, 1981. This permit allows discharge from the mine water discharge and the sediment pond into the left fork of Grimes Wash. This permit expires on December 31, 1986.

Four discharge points are identified under this permit Pt. 001, Pt. 002, .003, and .004 correspond to the main mine water discharge, the Cottonwood Portal sediment ponds, the Wilberg Mine sediment ponds, and the Miller Canyon breakout respectively. Data for these discharge points were available through the third quarter 1983.

The only discharge reported for this monitoring period was the main mine water discharge. Data for this facility indicated that the quality was in compliance with all applicable standards.

Surface water monitoring data was available through October 1983, these data are illustrated in table II below:

TABLE II
 Surface Water Monitoring Data

DATE	SITE*	Flow (GPM)	Temp °F	pH	TSS (mg/l)	Fe	Mn	TDS	umhos COND.
6-14-83	LF	1000	44	8.2	29	.20	.02	384	650
	RF	550	48	8.1	81	.31	.05	386	650
	B	1800	48	8.2	42.5	.24	.03	427	700
7-11-83	LF	500	48	8.2	51	.23	.03	360	685
	RF	212.7	46	8.2	493	.84	.18	348	675
	B	850	54	8.2	142.5	.43	.05	431	800
8-9-83	LF	400	62	8.3	<5	<.05	<.01	356	650
	RF	80.3	66	8.6	18.0	.19	<.01	283	525
	B	675	62	8.2	7.5	<.05	<.01	526	825
9-13-83	LF	150	48	8.3	6.5	<.05	<.01	372	675
	RF	50	50	8.4	10.5	.08	<.01	332	600
	B	400	52	8.3	8.0	<.05	<.01	557	900
10-10-83	LF	75	48	8.2	5.0	<.05	<.01	295	680
	RF	16.6	53	8.3	23.0	.10	<.01	280	610
	B	350	52	8.2	4.0	.08	.02	544	1000

* LF indicates Left Fork Grimes Wash
 RF indicates Right Fork Grimes Wash
 B indicated below mine sample

Inspection Memo to Coal File
ACT/015/019
January 19, 1984
Page 4

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

Underground development waste is approved to be disposed of in the waste rock disposal site according to the Bureau of Land Management Right of Way No UT-07642. Material from both mines is approved to be disposed of here. Just prior to this inspection waste rock was observed being hauled from the Des-Bee-Dove Mine off site to the Hunter Power Plant for disposal. At the Power Plant a large quantity of underground development waste was observed disposed of adjacent to the fly ash disposal site. NOV N83-7-10-1 was issued at the Des-Bee-Dove Mine (See Des-Bee-Dove Mine Memo dated January 20, 1983)

UMC 817.100 Contemporaneous Reclamation

The old fan access road up the right fork of Grimes Wash has been recontoured earlier this fall. The seed mix needed for revegetation has not yet been received by Emery Mining Corporation hence no reseeding will occur until late spring 1984.

UMC 817. 121-126 Subsidence Control

Subsidence is monitored using aerial photogrammetric techniques in conjunction with grid surveys. Annual helicopter flyovers are utilized for visual examination of subsidence areas.

The 1982 subsidence monitoring report was submitted to the DOGM on October 20, 1983. In this report the Wilberg first right and tenth right panels were two areas mentioned where surface subsidence was detected in 1981. This report indicated that subsidence detected over the first right panel in 1981 has continued even though the panel was abandoned prior to 1981. Further subsidence has also continued in the tenth right panel. This report mentioned that no adverse hydrologic impacts have occurred due to these subsidence areas.

Ken Wyatt *KW*
Field Specialist

KW:re
cc: Tom Ehmett, OSM
Larry Guymon, Emery Mining Corporation
Joe Helfrich, DOGM
Mary Boucek, DOGM

Statistics: See Co-op Mining Company, Trail Canyon Mine memo dated January 18, 1984