

0010

Document Information Form

Mine Number: C/007/022

File Name: Internal

To: DOGM

From:

Person N/A

Company N/A

Date Sent: September 28, 1982

Explanation:

Inspection Memo

cc:

File in:
C/ _____, _____, Internal

Refer to:

- Confidential
- Shelf
- Expandable

Date _____ For additional information

September 28, 1982

Inspection Memo
to Coal File:

RE: C. V. Spur
Beaver Creek Coal Company
ACT/007/022
Carbon County, Utah

DATE: September 8, 1982
TIME: 2:00 p.m. - 5:00 p.m.
WEATHER: Cloudy, Afternoon Thunderstorm
COMPANY OFFICIAL: Dave Meyer
STATE OFFICIALS: Sandy Pruitt
ENFORCEMENT ACTION: None

Compliance with Permanent Performance Standards

UMC 717.11 Permits et al.

Interim approval of the mine plan submitted September 24, 1979 and amended October 23, 1979 was finally granted on September 24, 1981. The permanent program permit application submitted August 20, 1980 has been reviewed by DOGM. An ACR dated April 3, 1981 has not yet been addressed by Beaver Creek Coal Company.

An approval letter dated June 30, 1982 authorizes burial of a diesel fuel storage tank in a previously disturbed area.

UMC 817.21-.25 Topsoil

Topsoil protection is adequate. Buffer zone signs have not yet been posted along the perimeter of the refuse area closest to the stockpile as planned. The paved road inbetween the topsoil and subsoil stockpiles has been ripped up to use the asphalt for riprap, etc. The access will be maintained.

UMC 817.41-.57 Hydrologic Balance

The area behind the shop/lab/warehouse had been recently graded and gravelled. The undisturbed area drainage ditch was reestablished along the perimeter and appeared adequate. All drainage ditches inspected were adequately maintained. The culverts around the coal stockpiles and preparation plant were partially obstructed but functional and needed maintenance.

File in:

- Confidential
- Shelf
- Expandable

Refer to Record No. 0010 Date 9-28-82
In C/007, 022 Internal
For additional information

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Although the area of ponding at the base of the refuse pile may provide some enhancement for wildlife and invertebrate habitats, the hydrologic design of the runoff control system for the C. V. Spur has not yet been determined adequate, according to the ACR, but also does not account for the excess water which is accumulating at the base of the refuse pile. Further, in consideration of the approved design of the refuse disposal area, there are no provisions for the prevention of water infiltration into the fill for maintenance of the fill stability. Beaver Creek Coal Company must make a more intensive effort to determine a means toward minimizing the water accumulation.

The water level of the pond at the base of the refuse pile fluctuates with the rate of irrigation of the adjacent field. The theory that an unlined canal on the opposite side of the railroad tracks is contributing the water by infiltration under the tracks may be invalid. Following the inspection, Dave Meyer and Sandy Pruitt left the permit area to inspect the irrigation system to the south and east of the operation. The flood gate from the irrigation canal was open at that time. We discovered that the irrigation system at the base of the junction of the railroad loop and main track is need of repair. Some of the irrigation water is drained under the railroad tracks and into the field to the east of the C. V. Spur as designed. Water is then carried in a buried pipe adjacent to the tracks for release in the fields. This system appears to be functioning adequately. The 10-inch corrugated metal pipe that carries canal water (for which water rights are held) to the pumphouse is broken at the railroad junction. This pipe continues through the operations yard along the base of the refuse pile. The pipe may be receiving excess water at this point and if the valve into the pumphouse is closed, water pressure may cause seepage through the pipe seams at the point of ponding, or there may be a break in the pipe at this point (although there is no indication of flow into the pond). If this is so, repair of the system to the approved design may minimize the water accumulation problem. In any case, the pipe must be repaired to the designed function as soon as possible.

A minor modification application dated September 17, 1982 has requested approval for the addition of a new haul road and raw coal stockpile which would entail removal of sediment pond #4 and enlarging sediment pond #5 to retain the same total pond capacity. The adequacy of the total pond capacity has not yet been determined as the volume of runoff draining into the individual ponds and ultimately the filter pond (#6) has not been specified in any plans. Although Beaver Creek Coal Company needs the approval modification to accommodate their extensive coal inventory, the adequacy of the entire runoff control system and the design of the sediment ponds should be determined as the modification is reviewed to ensure on-the-ground compliance with UMC 817.46, and minimize the potential for later adjustments to the sediment control structure.

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UMC 817.52 Hydrologic Balance: Monitoring

Water monitoring data to June 1982 has been submitted to DOGM. The water level of Well CV-6-W, north of the refuse pile and ponding area, has remained at a level from two to three feet (1981 to present) indicating that the water table may not be influencing the ponding problem. Monitoring point CV-8-W was buried by refuse and hasn't been monitored since March 1982. By record, the water level in the well has been low and water quality poor. Beaver Creek Coal Company is proposing to drop the sample point. This proposal is to be filed with the Response to the ACR. A failure to monitor ground water in accordance with the approved water monitoring plan needs to be addressed for compliance with UMC 817.52(a)(1).

The official NPDES permit #UT-0023949 was received April 1, 1982 and, therefore, was effective on May 1, 1982. The permit authorizes two discharge points. 001 is for the filter pond discharge. 002 is for the processing plant facility. 002 will be a zero discharge point permitted with the provision for intentional bypass under emergency situations.

UMC 817.81-.93 Coal Processing Waste

Sloughage on the east side of the refuse pile and the wet material at the base of the fill may be indicative that the fill stability needs determination; particularly in regard to the slope of the fill and Beaver Creek Coal Company's disregard to construction and maintenance provisions, required by UMC 817.85, in the permit application as noted in the ACR.

UMC 817.111-.117 Revegetation

Beaver Creek Coal Company plans to roto-till about three acres of a weedy section of the property north of the preparation plant ponds. Species intended for use include alkali sacaton, intermediate wheatgrass, thickspike wheatgrass, bluebunch wheatgrass, Indian ricegrass, squirreltail bottlebrush, galleta grass, mat saltbrush or shadscale and globemallow.

SANDY FRUITT 
RECLAMATION OFFICER

cc: Tom Ehmett, OSM
Dave Meyer, Beaver Creek Coal Company
Inspection Staff
Dave Darby, DOGM
Lynn Kunzler, DOGM

SP/btb

Statistics:

See Huntington #4 Mine memo dated September 24, 1982
Grant: A & E