

June 29, 1984

TO: Inspection Memo to Coal File:
 FROM: David Lof, Mining Field Specialist 
 RE: Diamond Shamrock Coal Unit, Trail Mountain Coal Mine,
ACT/015/009, Folder #7, Emery County, Utah

DATE: May 29, 1984
TIME: 1:45 - 5:20 p.m.
WEATHER: Sunny and Hot
COMPANY OFFICIALS: Allen Childs
STATE OFFICIALS: David Lof, Tom Wright
ENFORCEMENT ACTION: None

Compliance With Permanent Performance Standards

UMC 771 et al Permits

The following permits and or approvals were reviewed in the operators office during the inspection.

1. A May 11, 1978 letter from the Divison granting tentative approval for the operators mine plan based upon approval of their 211 plan by the USGS.
2. A May 3, 1984 letter from the Division approving the as-built culvert inlet structure of the Cottonwood Creek bypass. There were three conditions attached to the approval letter.
 - A. Required the operator to reline the channel utilizing a filter blanket if interstitial scour or stream bank erosion become evident in the future.
 - B. The second condition required that the channel cross sections and inlet riprap design drawings be certified pursuant to UMC 784.23 (e). The certification was to be submitted to the Divison by June 1, 1984.
 - C. Required that the operator install a box type trash rack as per the April 1983 Vaughn Hansen submission. The trash rack was suppose to be installed by June

- 1, 1984. The operator was suppose to notify the Division of any delays regarding the installation of the trash rack and establish a new day for implementation.
3. A May 23, 1984 letter to the operator from the Division approving the operator's relocation of their oil storage tanks.
4. A May 23, 1984 letter from the Division to the operator responding to the operator's request to change their sediment pond inspection schedule. The operator wanted to change from a weekly inspection schedule to a quarterly inspection of the sediment ponds. In lieu of the quarterly inspection schedule, the Division approved a bi-weekly inspection schedule.

UMC 817.11 Sign and Markers

A complete mine identification sign was properly posted at the entrance to the mine site. Roof bolts were being maintained along the county road to delineate the eastern perimeter of the operators permit area.

UMC 817.21-.25 Topsoil

During an April 13, 1984 inspection, I asked the operator to install strawbales at the base of the topsoil stockpile. At the time of this inspection I found that the strawbales had been placed at the base of the topsoil stockpile, but had not been inset nor staked in place. Mr. Childs said that they would complete the installation with in the next week.

UMC 817.41-.52 Hydrologic Balance

Sediment pond inspections were properly documented through May 22, 1984.

We inspected the inlet to the Cottonwood Creek bypass culvert and found that the operator had not been able to install the trash rack as required in condition #3 of the May 3, 1984 approval letter from the Division. Mr. Childs said that high flows had prevented them from installing the trash rack. He further indicated that the stream had apparently peaked a week prior to the inspection. An inspection of the present trash rack and riprap did not indicate any problems. Therefore, I discussed with Mr. Childs the possibility of waiting until a low flow period later in the summer in order

to install the trash rack. Mr. Childs told me that he was scheduled to meet with Wayne Hedberg, Division Hydrologist, on May 30, 1984 and that he would discuss it further with him at that time.

I discussed with Mr. Childs the completion of the installation of the final 300 feet of half-round culvert at the north end of the mine yard. He said that they were planning on finishing the installation the next week. The remainder of the half-round culvert and all the truck crossings were in good condition.

The water level in the sediment pond was almost to the primary spillway level. Mr. Childs said that they had been discharging a great deal of water from the mine because they had accidentally pumped water into the mine filling all the mine sumps and the working face. Mr. Childs said that they had completed their pumping. I told him that in case the same problem occurred again that they should be sure to not pump water into the pond beyond the primary spillway level. I inspected the primary and emergency spillway structures carefully and found that they had been constructed according to the plan, therefore, I terminated Notice of Violation N84-4-6-3, #1 of 3 effective May 8, 1984. The reason for the May 8, 1984 effective date was that the operator called me on the morning of May 8, and informed me that he was nearly finished with the remedial actions required for the violation, and that he would be done later that same day. A follow-up inspection was conducted on May 15, 1984 by Tom Wright of the Division, in order to verify the abatement of the violation.

The sediment pond discharge structure was leaking at a rate of approximately 2 gallons per minute. I took a sample of the discharge and one of Cottonwood Creek at the bypass culvert outlet. The results of the water analysis had not been received from State Health at the time of the writing of this memo.

I discussed with Mr. Childs the May 18, 1984 letter from R & M Consultants to the Division which was supposed to serve as a certification of the sediment pond at Trail Mountain. I told Mr. Childs that the letter was not satisfactory and that a letter in much the same format as the February 2, 1984 Sediment Pond certification would be more appropriate and that it should list the name of the representative of R & M Consultants who visited the site on May 10, 1984 and that the letter must be signed and stamped by a Registered Professional Engineer.

UMC 817.52 Surface and Groundwater Monitoring

Surface water monitoring data was reviewed for the months of

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February through April 1984 and there were no evident problems. In April the operator had started to measure stream flow, water temperature and field pH. These measurements had been requested during the previous monthly inspection. I also reviewed the groundwater data for UG-1 for the period of February through April of 1984 and for TM-23-1 for April, 1984 once again there were no evident problems.

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

Mr. Childs told me that they had tried to get a dozer in to rework the underground development waste pile, which is presently stored at the extreme north end of the mine yard. They had found that it was still much too wet to do anything with it.

UMC 817.89 Disposal of Noncoal Waste

Some material in the operators noncoal waste storage area was smoldering. I told Mr. Childs to have the fire put out. the operator was in the process of extinguishing the fire at the time I left the mine site.

UMC 817.100 Contemporaneous Reclamation.

Mr. Childs informed me that Pat Collins of Mount Nebo Scientific had just completed the operators 1984 contemporaneous reclamation plan and sent it in the mail to him. He further said that after he reviewed the plan that he would forward it to the Division for approval.

Miscellaneous

The operator had completed the relocation of their oil storage tanks and constructed a concrete block barrier around the fuel and oil tanks to contain any spillage from them.

DL:re

cc: Jodie Merriman, OSM
Allen Childs, Trail Mountain Coal Co.
Joe Helfrich, DOGM
Mary Boucek, DOGM
Tom Wright, DOGM

Statistics:

Vehicle: EX49611, 479 miles
Per Diem: 2 persons X 1 day, 11 hours = \$132.66
Grant: A&E
94460-22-25