June 29, 1982

Inspection Memo
to Coal File

RE: Natomas Trail Mountain Coal Co.
Trail Mountain Mine
ACT/015/009
Emery County, Utah

DATE:	June 8, 1982
TIME:	9:30 a.m. - 12:00 a.m.
WEATHER:	Warm and Clear
COMPANY OFFICIAL:	Andy King
STATE OFFICIAL:	Ken Wyatt

Compliance with Permanent Performance Standards

771 et al Permits

An interim approval letter dated May 11, 1978, from Ron Daniels, of the Division, to John Bell was examined.

A letter dated December 7, 1981, from Wayne Hedberg of the Division, approves the installation of the Cottonwood Creek bypass culvert. Four areas of concern were noted in this approval.

1. Mr. King stated that an Army Corp of Engineers 404 permit would be required. Trail Mountain has not applied for this permit at this time.

2. A request for a variance to sediment control from Utah State Health would depend on whether or not the stream will be culverted for the entire length of the mine area. This depends on the budgeting, which in turn, depends on the outcome of the emergency lease application submitted last year. If the budget does not approve the entire culverting length, 500 feet will be culverted and the water will be dammed and pumped around while the culvert is installed. If the budget does approve the entire mine yard bypass culvert system, no pumping will be done and the sediment control variance will be required. Plans for the culvert extension were received on June 28, 1982 and are currently being reviewed.

3. State Health Bureau of water pollution control must concur with the proposed design for the sedimentation pond.

4. The U.S. Forest Service had concerns about the rip-rap sizing criteria as proposed for dissipating peak flow velocities at the culvert outlet. The sizing proposed may not adequately prevent scouring of the stream channel at this point.

Trail Mountain is hereby recommended to obtain the required permits and approvals from other agencies as soon as possible in order to prevent unnecessary delays in the culvert construction process. An easement from the LDS Church and Utah Power and Light will also be required as this work affects their right of way properties.

No water rights certificate was available, however, a letter from the Cottonwood Creek Consolidated Irrigation Company in Orangeville, Utah, indicated that their records showed Trail Mountain Coal Company owning twenty (20) shares. This further indicated that each share was about .88 acre feet per year, prior to the construction of Joe's Valley Reservoir. Now, after the reservoirs construction, it is rare for a share to fall below 1 acre feet per year per share. Therefore, Trail Mountain Coal Company ownes approximately 20 acre feet per year from the Cottonwood Creek Consolidated Irrigation Company. This amounts to approximately 325,828 gallons per year.

817.11 Signs and Markers

Perimeter markers, buffer zone signs, the mine identification sign and a topsoil sign are all posted as required.

817.21 - .25 Topsoil

The topsoil stockpile located just north of the shop/office building, is protected with a berm. No seeding has been done on this stockpile as the material is planned to be redistributed over the 48 inch undisturbed bypass culvert area adjacent to the intake portals.

817.52 Hydrologic Balance

A water bar has been erected just west of the 48 inch undisturbed bypass culvert. This water bar will channel any undisturbed runoff from the base of the canyon into the culvert entrance.

The sediment pond reconstruction and Cottonwood Creek bypass culvert installation will be done this construction season. Trail Mountain would like to install additional bypass culverting for the entire mine yard. Whether or not the budget is approved for this entire culvert installation depends on the outcome of the emergency lease application submitted last year.

Mr. King and this inspector discussed the need for a culvert to help drain water from the disturbed area under the lower access road. The decision to install this culvert should await the outcome of the budgeting for the complete installation of the Cottonwood Creek bypass culvert.

817.52 Surface and Ground Monitoring

The Trail Mountain Mine was issued an NPDES permit #UT-0023728 on March 22, 1982, with an expiration date of December 31, 1986. This permit allows discharge from the sediment pond into Cottonwood Creek.

Surface water monitoring water data was available through March 1982. The April and May data had not been returned from the lab.

NOV 82-2-4-1 issued on April 7, 1982, has been abated except for part three (3) of the remedial actions, the submission of stablization plans for the stream channel and bankments. These plans shall be forthcoming in the near future. A final deadline of July 7, 1982 has been established for this NOV.

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

Any underground development waste generated at this mine is stored underground in old mined out areas.

817.89 Disposal of Non-Coal Waste

Non-coal waste is temporarily stored in a pit located northwest of the existing sediment pond. These wastes are periodically hauled from the minesite by Cox Contractors.

817.111 - .117 Revegetation

The area above the 48 inch bypass culvert from the side canyon, will be redistributed with topsoil and seed will be applied during the first favorable planting season.

817.121 - 126 Subsidence Control

Subsidence is monitored using aerial photogrametric techniques. The last flight was performed in October 1981 by Applied Earth Scientists from Denver. At the time of this inspection, Trail Mountain has not received any information regarding this flight. Control points are flagged over the permit area.

817.150 - .176 Roads

Roads in the mine area appear to be maintained adequately. The water bars constructed along the two access points as an abatment measure for NOV 82-2-4-1 adequately retained disturbed area runoff on the permit area and allow it to drain towards the sediment pond.

Ken Wyatt

KEN WYATT
RECLAMATION OFFICER

KW/tck

cc: Tom Ehmett, OSM
Andy King, Natomas Trail Mountain Coal Company
Inspection Staff

Statistics:

See SUFCO Mine memo dated about June 23, 1982