



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Joe Helfrich
INSPECTION REPORT

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Partial: XXX Complete: Exploration:
Inspection Date & Time: 10/16/97 / 7:45a.m.-4:30p.m.
Date of Last Inspection: 9/8/97

Mine Name: SUFCO Mine County: Sevier Permit Number: ACT/041/002
Permittee and/or Operator's Name: Canyon Fuel Company
Business Address: 397 South 800 West, Salina, Utah 84564
Type of Mining Activity: Underground XXX Surface Prep. Plant Other
Company Official(s): Ken May, John Black
State Officials(s): Peter Hess Federal Official(s): None
Weather Conditions: Cool, 70's, Sunny
Existing Acreage: Permitted- 17301 Disturbed- 67.8 Regraded- 0.5 Seeded- 0.5 Bonded- 0.5
Increased/Decreased: Permitted- Disturbed- Regraded- Seeded- Bonded-
Status: Exploration/ XXX Active/ Inactive/ Temporary Cessation/ Bond Forfeiture
Reclamation (Phase I/Phase II/ Final Bond Release/ Liability Year)

REVIEW OF PERMIT, PERFORMANCE STANDARDS & PERMIT CONDITION REQUIREMENTS

Instructions

- 1. Substantiate the elements on this inspection by checking the appropriate performance standard.
a. For complete inspections provide narrative justification for any elements not fully inspected unless element is not appropriate to the site, in which case check N/A.
b. For partial inspections check only the elements evaluated.
2. Document any noncompliance situation by referencing the NOV issued at the appropriate performance standard listed below.
3. Reference any narratives written in conjunction with this inspection at the appropriate performance standard listed below.
4. Provide a brief status report for all pending enforcement actions, permit conditions, Division Orders, and amendments.

Table with 5 columns: Item, EVALUATED, N/A, COMMENTS, NOV/ENF. Rows include items like PERMITS, CHANGE, TRANSFER, RENEWAL, SALE; SIGNS AND MARKERS; TOPSOIL; HYDROLOGIC BALANCE; etc.



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(Comments are Numbered to Correspond with Topics Listed Above)

1. PERMITS, CHANGE, TRANSFER, RENEWAL, SALE

A comparison of Plate 7-6, "East Spring Canyon Drainage Details", revealed that several field conditions at the site do not correlate with what is shown on this map. This map was last certified by Mr. Richard White, P. E., on December 24, 1991. Field changes which were noted but not implemented on Plate 7-6 include the following:

- 1) The interception ditch for undisturbed watershed ESC-6 flows in the opposite direction from what is shown on Plate 7-6.
- 2) A ditch has been installed behind the idle mine fan motor house to direct DIS-1 runoff around the "shed" into the 10-inch mine yard drainage system drop drain. This diversion is not shown on Plate 7-6; it is doubtful that a design exists for this ditch.

It is recommended that the permittee re-evaluate the drainage patterns and controls for water sheds' DIS-1 and MSH-2. Plate 7-6 shows two drop drains (one on the north end of the mine's warehouse and shop and one on the south) which are supposed to receive the flow from DIS-1. A distance of 260 feet exists between these drains and the flow between the drains appears to be uncontrolled. Pooling is evident. A ditch design and some grade work need to be implemented on the facilities pad to ensure positive flow from DIS-1 to the drop drains.

The interception ditch for undisturbed watershed MSH-2 is receiving runoff from an exposed cut bank located on the NW corner of the building labeled "covered storage" on Plate 7-6. Two problems are seen here:

- 1) Undisturbed runoff is eroding the cut bank, and
- 2) This same sediment is filling in the diversion creating a negative grade for flow. The eastern 30 feet of MSH-2 is actually an impoundment which overflows and runs uncontrolled to the depression where the fan sits.

Notice of violation N97-46-4-3, 3of 3, "Failure to provide accurate surface drainage maps" was issued to the permittee in order to correct the problems noted in paragraphs 1) and 2) above.

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4a. HYDROLOGIC BALANCE: DIVERSIONS

Based on problems that were observed with respect to the "interception ditches and pipes for undisturbed watersheds ESC-7 and MSH-2, i.e., blocked pipes, improper drainage gradient, and silted in diversions, notice of violation N97-46-4-3, 1 of 3 was issued to the permittee for "failure to maintain diversions".

7. COAL MINE WASTE/REFUSE PILES/IMPOUNDMENTS

As noted in the August 18 inspection report for the site, the active lift at the waste rock site is very close to maximum capacity. Construction work for the new lift has been initiated; topsoil is being stripped in the area just west of the refuse out slope. No workers were observed in this area today.

10. SLIDES AND OTHER DAMAGE

The effect of "El Nino" over the past several months has made apparent the fact that the drainage needs to be re-evaluated in several areas of the surface facilities pad. The fact that this drainage is flowing over two areas where exposed cut banks exist presents an erosion problem. The area on the NW corner of the "covered storage" building depicted on Plate 7-6 is one such area that shows cutting away of the soil. The area at the toe of watershed DIS-1 is another showing significant gullies. As noted above, the permittee should look at the possibility of redirecting the flows above these banks to prevent a recurrence. Notice of violation N97-46-4-3, 2 of 3 was issued to the permittee for "failure to minimize erosion". The permittee must repair these areas and stabilize them to abate the violation.

Note: This inspection report does not constitute an affidavit of compliance with the regulatory program of the Division of Oil, Gas, and Mining.

Copy of this Report:

Mailed to: Ken May (Canyon Fuel) Henry Austin (OSM)
Given to: Joe Helfrich (DOGMI) Filed to: Price Field Office
Date: October 20, 1997

Inspector's Signature:  #46
Peter Hess