



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

INSPECTION REPORT

Norman H. Bangarter
Governor
Dee C. Hansen
Executive Director
Dianne R. Nielson, Ph.D.
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340

Partial: Complete: XX Exploration
Inspection Date/Time: July 12, 1994/07:45am-02:20pm
Date of Last Inspection: June 15, 1994

Mine Name: Convulsion Canyon County: Sevier Permit Number: ACT/041/002
Permittee and/or Operator's Name: Southern Utah Fuel Company
Business Address: P. O. Box P, Salina, UT 84654
Type of Mining Activity: Underground XX Surface Prep. Plant Other
Officials(s): State: Peter H. Hess Company: Mike Davis
Federal Official(s): Weather Conditions: Clear/Sunny Hot 90's
Exist Acres: Permitted-17308 Disturbed-69.71 Regraded-3.5 Seeded-3.5 Bonded-69.71
Increased/Decreased: Permitted- Disturbed- Regraded- Seeded- Bonded-
Status: Exploration/ Active/XXX Inactive/ Temp Cessation/ Bond Forfeiture
Reclamation (Phase I/ Phase II/ Final Bond Release/ Liability Year)

REVIEW OF PERMIT, PERFORMANCE STANDARDS & PERMIT CONDITION REQUIREMENTS

Instructions

- Substantiate the elements on this inspection by checking the appropriate performance standard.
 - 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.
 - For partial inspections check only the elements evaluated.
- Document any noncompliance situation by referencing the NOV issued at the appropriate performance standard listed below.
- Reference any narratives written in conjunction with this inspection at the appropriate performance standard listed below.
- Provide a brief status report for all pending enforcement actions, permit conditions, Division Orders, and amendments.

	EVALUATED	N/A	COMMENTS	NOV/ENF
1. PERMITS, CHANGE, TRANSFER, RENEWAL, SALE	[XX]	[]	[XX]	[]
2. SIGNS AND MARKERS	[XX]	[]	[XX]	[]
3. TOPSOIL	[XX]	[]	[XX]	[]
4. HYDROLOGIC BALANCE:				
a. DIVERSIONS	[XX]	[]	[]	[]
b. SEDIMENT PONDS AND IMPOUNDMENTS	[XX]	[]	[XX]	[]
c. OTHER SEDIMENT CONTROL MEASURES	[XX]	[]	[XX]	[]
d. WATER MONITORING	[XX]	[]	[XX]	[]
e. EFFLUENT LIMITATIONS	[XX]	[]	[XX]	[]
5. EXPLOSIVES	[XX]	[]	[]	[]
6. DISPOSAL OF EXCESS SPOIL/FILLS/BENCHES	[]	[XX]	[]	[]
7. COAL MINE WASTE/REFUSE PILES/IMPOUNDMENTS	[XX]	[]	[XX]	[]
8. NONCOAL WASTE	[XX]	[]	[XX]	[]
9. PROTECTION OF FISH, WILDLIFE AND RELATED ENVIRONMENTAL VALUES	[XX]	[]	[XX]	[]
10. SLIDES AND OTHER DAMAGE	[]	[XX]	[]	[]
11. CONTEMPORANEOUS RECLAMATION	[]	[XX]	[]	[]
12. BACKFILLING AND GRADING	[]	[XX]	[]	[]
13. REVEGETATION	[]	[XX]	[]	[]
14. SUBSIDENCE CONTROL	[]	[XX]	[]	[]
15. CESSATION OF OPERATIONS	[]	[XX]	[]	[]
16. ROADS:				
a. CONSTRUCTION/MAINTENANCE/SURFACING	[XX]	[]	[XX]	[]
b. DRAINAGE CONTROLS	[XX]	[]	[XX]	[]
17. OTHER TRANSPORTATION FACILITIES	[]	[XX]	[]	[]
18. SUPPORT FACILITIES/UTILITY INSTALLATIONS	[XX]	[]	[XX]	[]
19. AVS CHECK (4th Quarter-April, May, June) <u> </u> date	[]	[XX]	[]	[]
20. AIR QUALITY PERMIT	[XX]	[]	[XX]	[]
21. BONDING & INSURANCE	[XX]	[]	[XX]	[]

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PERMIT NUMBER: ACT/041/002

DATE OF INSPECTION: July 12, 1994

(Comments are Numbered to Correspond with Topics Listed Above)

1. Permits -

Permit ACT/041/022 issued by the Utah DOGM remains in effect from June 10, 1992 through May 20, 1997.

2. Signs and Markers -

Identification signs showing name, business address, telephone number and permit number were evident at all public road access points and at all disturbed areas inspected.

Disturbed area markers were inspected throughout the site. Red are corner markers; red/yellow/red are markers between corners.

Stream Buffer Zone markers were placed along Convulsion Canyon Creek in proximity to the Spring Collection Field and the Leechfield.

Topsoil storage marker signs were placed on all five topsoil piles located throughout the site.

3. Topsoil -

Three topsoil piles are located near the waste rock disposal site along the County access road; one pile lies South of the Main Facilities sediment pond; pile #5 is East of the Main Substation. All piles were free of contamination and were well defined with markers.

4a. Diversions -

The ditches and drop culverts in the pad area were free of obstructions and in good repair. A six-inch pipe which helps drain the Main Mine Fan Diffuser area was blocked, but was immediately cleaned. Water was flowing from the East Spring Canyon main drainage CMP into Sediment Pond UPDES #002.

4b. Sediment Ponds and Impoundments -

The site has three sediment ponds; the Main Facilities pond (UPDES #002) lies directly South of the main pad area and operates in series with a concrete sediment trap located east of the tipple. This sed trap has an oil skimmer and is periodically mucked out with an FEL. Sediment, (mainly coal fines) and water are then dumped in the pad area for fugitive dust control. The last pond is located at the Waste Rock Disposal Site along the County access road. This is a total containment pond with a secondary which can be used for sediment control while the first is being cleaned.

It should be noted that surface cracks were evident in numerous areas about these ponds; these cracks are probably caused by the extremely dry conditions the entire State is experiencing this year.

The cracks are evident in both fill banks and natural grade areas. The ponds were both dry. Mr. Davis committed to tamping/filling of these cracks.

The Second Quarter Impoundment inspection report was completed by Mr. Davis on June 28, 1994; no abnormalities were reported.

4c. Other Sediment Control Measures -

All silt fences which were inspected were in good repair and appeared to be functioning properly.

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4d. Water Monitoring -

The approved permit requires that nine surface sampling points be monitored every four months or tri-annually. These are:

- 1) 006--located in the South fork of the North fork of Quitchupah Creek; last sampled October 4, 1993.
- 2) 007--located in the upper North fork of Quitchupah Creek; last sampled October 4, 1993.
- 3) 022--located in Mud Spring Canyon just above the mine; last sampled October 4, 1993.
- 4) 030--located in East Spring Canyon above mine; last sampled October 5, 1993.
- 5) 041--located in Quitchupah Creek above North fork; last sampled October 4, 1993.
- 6) 042--located in North fork of the Quitchupah; last sampled October 4, 1993.
- 7) 046--located in Convulsion Canyon above pump house; last sampled October 5, 1993.
- 8) 047A--located in East Spring Canyon above Convulsion Canyon; last sampled October 5, 1993.
- 9) 090--located in Box Canyon at the permit boundary; last sampled October 4, 1993.

The waste rock disposal site has five wells which are all sampled quarterly; all were last sampled, October 4, 1993.

The site contains four flow monitoring points that are monitored 3 times per year: 047 is the pumphouse effluent; 057 is the spring at Duncan Draw; 062 is the underground North Main in the #6 entry; and 089 is the spring fed pond at the head of Box Canyon. All points were last sampled October 4 & 5, 1993.

4e. Effluent Limitations -

Effluent parameters are monitored under UPDES 0022918 which became effective May 1, 1991 and expires April 30, 1996. There are three UPDES discharge points:

- 1) 001--located at East Spring; is presently inactive, but will be used as the mine retreats.
- 2) 002--this discharge point is located at the main sediment pond directly below the facilities pad.
- 3) 003--Also designated 021. This is presently the active mine discharge point that dumps directly into Quitchupah Creek.

The May 1994, EPA Discharge Monitoring Reports were reviewed for the three discharge points. The operator had difficulty in finding these records and eventually obtained a copy from the Utah Division of Water Quality. A better record keeping method needs to be established for these reports. No exceedances were noted. Review of the reports was achieved prior to the end of the inspection.

7. Coal Mine Waste/Refuse Piles/Impoundments -

The refuse pile, MSHA ID#1211-UT-09-00089-01, located along the County access road was inspected. Combustible non-coal waste was evident in some of the end dumped piles. Suggested to operator that this be removed, (also from future piles as they are placed).

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8. Non-coal Waste -

The non-coal waste storage facility was inspected. Cyclone fence gates prevent wind dispersment of material over the site. Trash is hauled to the Salina land fill on a regular basis. One gate appeared to be in need of repair. The mine site was clear of trash.

9. Protection of Fish, Wildlife and Related Environmental Values -

The SPCC plan was certified by SUFCO's resident P.E., Wes Sorensen on January 8, 1992. None of the bulk storage tanks on site are bermed, as any spillage will report to UPDES 002.

16a. Construction/Maintenance Surfacing -

All primary roads are hard surfaced and in good condition. The facilities yard is unsurfaced.

16b. Drainage Controls -

Road ditches and culverts were all in good repair and free of obstructions.

18. Support Facilities/Utility Installations -

The site has two substations, a tipple/truck loadout and numerous other facilities. As run-of-mine coal is the finished product, there is no coal processing waste. Both substations have good drainage and adequate guarding. There are no PCB's on site.

20. Air Quality Permit -

BAQE-891-89 was approved by the Utah DEQ on March 27, 1990.

21. Bonding and Insurance -

Liability insurance is held with Fidelity and Casualty Company of New York. Policy #MCDOO1870 remains in effect until March 16, 1995. Limits are as follows:

General Aggregate.....	\$2,000,000
Products-Comp/OpAgg.....	\$2,000,000
Personal & Adv Injury.....	\$2,000,000
Each Occurance.....	\$2,000,000
Fire Damage (any 1 fire).....	\$100,000,000
Medical Expense (any 1 person).....	\$10,000,000

Bond #U605244-14 in the amount of \$1,690,000 became effective April 12, 1991. Coverage is provided by the United Pacific Insurance Company.

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: Southern Utah Fuel Company Bernie Freeman (OSM)
Given to: Joe Helfrich (DOGM) Filed to: Price Field Office
Date: July 22, 1994

Inspector's Signature and Number: *Peter H. Hess* #46

Peter H. Hess