



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

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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

INSPECTION REPORT

Partial: X Complete: Exploration:
Inspection Date & Time: October 27, 1992, 11:00 A.M. to 12:30 P.M.
Date of Last Inspection: September 3, 1992

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, Utah 84654
Type of Mining Activity: Underground X Surface Prep. Plant Other
State Official(s): Paul Baker Company Official(s): Wes Sorensen
Federal Official(s): None
Weather Conditions: Cloudy, 60's
Existing Acreage: Permitted- 17301 Disturbed- 67.8 Regraded- 1.0 Seeded- 1.0 Bonded- 67.8
Increased/Decreased: Permitted- 0 Disturbed- 0 Regraded- 0.5 Seeded- 0.5 Bonded- 0
Status: Exploration/ X 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

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

INSPECTION REPORT

(Continuation sheet)

PERMIT NUMBER: ACT/041/002

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DATE OF INSPECTION: October 27, 1992

(Comments are Numbered to Correspond with Topics Listed Above)

1. Permits, Change, Transfer, Renewal, Sale

A response to Division Order ACT/041/002-DO92A was received on October 13, 1992, and the review is scheduled to be completed November 13, 1992. As discussed below, approval was given October 21, 1992, for the use of some revegetation techniques included in the Division Order response submittal.

3. Topsoil

The plan for topsoil salvage at the refuse pile site says that 45" of soil will be stripped prior to placement of refuse materials. This is approximately the depth of soil that was recovered except at one location where a rock ledge was encountered.

The plan says that at least 30" of topsoil will be placed on the refuse pile. I estimated a topsoil depth of 30-36".

4. Hydrologic Balance

a. Diversions

We checked the diversions at the refuse disposal site. The ditches that lead to the pond are cement-lined. They are trapezoidal, and the side slopes are 1h:1.2v, the bottom width is 12", the top width is 42", and the depth is 18". This gives a total cross-sectional area of 486 in.². The plan states that these ditches will be trapezoidal with a maximum depth of 12", a bottom width of 24", side slopes of 1h:1v, and a top width of 48", giving a cross-sectional area of 432 in.². Correspondence dated November 23, 1988, from SUFCO discusses the as-built configuration of the ditches, and approval of the as-builts was given December 27, 1988. The plan, however, was never updated to show the approved as-builts. On November 3, 1992, I requested that Mr. Sorensen provide the Division with an updated page 2-4 to be inserted in Vol.3 which would show the approved as-built design of these ditches.

b. Sediment Ponds and Impoundments

The plan states that the emergency spillway at the refuse disposal site will have dimensions as follows: The total width is to be 12'6", the bottom width 4'2", and the side slopes are to be 2h:1v. Field measurements showed the total width to be 16'4", the bottom width 8', and the sides slopes about 2h:1v. Riprap sizing was not measured.

7. Coal Mine Waste/Refuse Piles/Impoundments

I checked some of the laboratory analyses for the waste rock sampling. Third quarter analyses had not yet been received from the lab. Second quarter parameters were all within acceptable limits according to Division guidelines. Boron was the only parameter that was close to the limit for toxicity; it was present at 4.72 ppm.

13. Revegetation

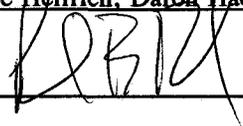
The seed label for the seed that was used on the waste rock revegetation was checked against the plan. The seed label indicated that smooth brome was used instead of mountain brome. The label was apparently in error, however, since I was only able to find seed of mountain brome at the site. We were able to find seed of several of the other species in the seed mix, also.

The plan had stated that seed would be drilled, but approval was given October 21, 1992, to hydroseed. The mulch used was a combination wood/paper fiber hydromulch. Prior to seeding, the area was gouged.

Copy of this Report:

Mailed to: Wesley Sorensen (SUECO), Bernie Freeman (OSM)

Given to: Joe Helfrich, Daron Haddock (DOGM)

Inspector's Signature: 

Paul B. Baker #41

Date: November 3, 1992