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State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

opt *DRZ*

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INSPECTION REPORT

INSPECTION DATE & TIME: 10/10/91, 9:00am to 1:30pm

Permittee and/or Operator's Name: Southern Utah Fuel Company
Business Address: P.O. Box P, Salina, UT 84654
Mine Name: Convulsion Canyon Mine Permit Number: ACT/041/002
Type of Mining Activity: Underground Surface Other
County: Sevier Company Official(s): Wes Sorenson
State Officials(s): Priscilla Burton
Federal Official(s): none
Partial Complete Date of last Inspection: 9/23/91
Weather Conditions: sunshine, 70's
Acreage: Permitted = 17,301 Disturbed = 67.8 Regraded = 0.5
Seeded = 0.5 Bonded = 67.8 Enforcement Action: none

COMPLIANCE WITH PERMITS AND PERFORMANCE STANDARDS

	YES	NO	N/A	COMMENTS
1. PERMITS	(X)	()	()	(X)
2. SIGNS AND MARKERS	()	()	()	()
3. TOPSOIL	(X)	()	()	(X)
4. HYDROLOGIC BALANCE:				
a. STREAM CHANNEL DIVERSIONS	()	()	()	()
b. DIVERSIONS	()	()	()	()
c. SEDIMENT PONDS AND IMPOUNDMENTS	(X)	()	()	(X)
d. OTHER SEDIMENT CONTROL MEASURES	(X)	()	()	()
e. SURFACE AND GROUNDWATER MONITORING	(X)	()	()	(X)
f. EFFLUENT LIMITATIONS	(X)	()	()	(X)
5. EXPLOSIVES	()	()	()	()
6. DISPOSAL OF DEVELOPMENT WASTE & SPOIL	(X)	()	()	(X)
7. COAL PROCESSING WASTE	()	()	()	()
8. NONCOAL WASTE	()	()	()	()
9. PROTECTION OF FISH, WILDLIFE AND RELATED ENVIRONMENTAL VALUES	()	()	()	()
10. SLIDES AND OTHER DAMAGE	()	()	()	()
11. CONTEMPORANEOUS RECLAMATION	(X)	()	()	()
12. BACKFILLING AND GRADING	(X)	()	()	()
13. REVEGETATION	(X)	()	()	(X)
14. SUBSIDENCE CONTROL	()	()	()	()
15. CESSATION OF OPERATIONS	()	()	()	()
16. ROADS				
a. CONSTRUCTION	()	()	()	()
b. DRAINAGE CONTROLS	()	()	()	()
c. SURFACING	()	()	()	()
d. MAINTENANCE	()	()	()	()
17. OTHER TRANSPORTATION FACILITIES	()	()	()	()
18. SUPPORT FACILITIES UTILITY INSTALLATIONS	(X)	()	()	(X)

1. PERMITS

Amendment ACT/041/002-90F for substation construction was approved on 4/18/91. Conditions with regard to this approval were addressed with the submittal of MRP Vol 8, pages 1 - 3 (revision 5/14/91) and Maps D 326 C 100 and D 326 C 101 (revision dates 5/14/91).

Construction of the substation was ongoing during this inspection. The above mentioned narrative was used as a guide during the inspection.

As Built maps must be submitted after completion of the site.

3) TOPSOIL

The topsoil removed from the substation site is temporarily being stored on the cattle trail. This material will be relocated immediately east of the substation after construction is through.

This topsoil was sampled for N,P,K values. Reports were as follows: N = 13.9ppm, K = 278 ppm, P = 2.57 ppm.

The topsoil will be seeded and mulched as described in the amendment. The yardage of topsoil salvaged will be included in the As Built report.

The subsoil pile located at the wasterock site is being used for fill in the substation retaining wall construction (as approved). Reclamation of the depleted subsoil storage pile will follow construction.

4c) SEDIMENT PONDS AND IMPOUNDMENTS

The mine site sediment pond was dredged and enlarged in August. Sediment pond inspections were last performed on August 30, 91. As Built mine site sediment pond map (Plate 83-5) was certified by Wes Sorenson on 10/2/91 and submitted to the Division.

The mine site pond access road has been reshaped and the inslope ditch has been riprapped again after dredging of the pond.

Pond sediment was sampled on 9/19/91 for toxic/acidic nature and deposited at the waste rock storage site: pH = 7.3, Boron = 3.75ppm. The waste was non-acidic.

At the time of the inspection, the pond was being decanted to prepare for winter precipitation. As required by the NPDES permit, the operator samples twice during each month of

decantation. Decanting occurred during July, September and October.

4e) SURFACE AND GROUNDWATER MONITORING

Sampling of monitoring wells and springs is done by Keith Welch of Coastal States. The latest available information at the mine site was from 5/30/91. Of the wells monitored, the following information was of interest. B 8 is upstream of the waste rock storage site, B 6 is at lift 2 of the waste rock storage site, B 3 is down stream of this site.

SITE	pH	NO3 mg/L	Turbid. NTU's	EC umhos	TDS mg/L	diss B ppm
B 8	7.45	0.86	15	2090	n/a	n/a
B 6	6.99	3.3	40	6870	6422	n/a
B 3	7.02	6.67	3	6390	n/a	n/a

4f) EFFLUENT LIMITATIONS

A new UPDES permit #UT0022918 was issued on 5/1/91 and will expire on 4/30/90. A copy was obtained. UPDES points = 001 MW to East Spring, 002 Sed Pond, 003 MW to Quitchupah

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Sampling of ^{H₂O monitoring} UPDES points 001, 006, 007, 021 were reviewed.

Point 001 = East Spring
 006 = South Fork of North Fork of Quitchupah Creek
 007 = Upper North Fork of Quitchupah Creek
 021 = Mine water discharge to Quitchupah Creek = 003 UPDES point'

Point 021 was noticeably higher in all parameters measured.

6) DISPOSAL OF DEVELOPMENT WASTE AND SPOIL

The waste brought to the disposal site was sampled on 4/22/91 for the second quarter and on 9/3/91 for the third quarter. Boron levels were 1.94 and 3.96 ppm, respectively.

The second lift is reaching its capacity. Reclamation of the site will be done contemporaneously. Topsoil must be removed from the site of the third lift to reclaim the second lift. Removal of topsoil will be limited by moisture conditions. At present, some thought should be given to when topsoil will be removed from Lift 3 and placed on Lift 2, so that SUFCO is not caught in winter without waste disposal capacity due to not having removed the topsoil from Lift 3.

Vegetation on Lift 1 (after one season) consists mainly of annual weeds.

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18) UTILITY INSTALLATIONS

The substation backfilling operation should be complete by the end of October. At completion, a new surface facilities map will be submitted.

Reseeding of the disturbance ^{of it fence} around and below the site must be accomplished. Strawbale sediment filters will be placed at the edge of the disturbance to help retain seed and water.

Copy of this Report:

Mailed to: John Kathmann (OSM)
Mike Davis (SUFCO)
Given to: Joe Helfrich (DOGM)
Daron Haddock (DOGM)

Inspector's Signature: Duselle Burton #37, Date:
10/17/91