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State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

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INSPECTION REPORT

Partial: X Complete:_ Exploration:_
Inspection Date & Time: April 21, 1994, 9:30 A.M. to 1:30 P.M.
Date of Last Inspection: March 29, 1994

Mine Name: Hiawatha County: Carbon Permit Number: **ACT/007/011**
Permittee and/or Operator's Name: U. S. Fuel Co.
Business Address: P. O. Box 887, Price, Utah 84501
Type of Mining Activity: Underground X Surface_ Prep. Plant_ Other_
State Officials(s): Paul Baker and Steve Johnson
Company Official(s): Gary Gray
Federal Official(s): None
Weather Conditions: Partly Cloudy, 60's, Patchy snow at higher elevations
Existing Acreage: Permitted- 12707 Disturbed- 290 Regraded-_ Seeded-_ Bonded- 290
Increased/Decreased: Permitted- 0 Disturbed- 0 Regraded- 0 Seeded- 0 Bonded- 0
Status: _Exploration/ X Active/_Inactive/_Temporary Cessation/_Bond Forfeiture
Reclamation (X 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.

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

INSPECTION REPORT

(Continuation sheet)

PERMIT NUMBER: ACT/007/011 DATE OF INSPECTION: April 21, 1994

(Comments are Numbered to Correspond with Topics Listed Above)

1. Permits, Change, Transfer, Renewal, Sale

At the beginning of the inspection, Mr. Mike Watson gave us U.S. Fuel's response to the most recent deficiency letter for the alternate topsoil borrow sites.

On April 7, 1994, the Division received a submittal dated April 5, 1994, intending to address remaining deficiencies from the 1992 permit renewal review and Division Order. Remaining deficiencies deal primarily with retention of the roads, approximate original contour, and erosion and sediment control in the road areas.

4. Hydrologic Balance

a. Diversions

Ditches and culverts were recently cleaned or were in the process of being cleaned. The inlets to the culverts labelled '48" CMP Undisturbed Drainage (3)' and '24" CMP (4)' had been cleaned, but there was still some sediment in these culverts that should be cleaned.

d. Water Monitoring

In the Middle Fork of Miller Creek across from the old West Hiawatha Schoolhouse, we found one place where there was an orange precipitate in the stream. Above the place with the orange precipitate, there is an area where the snow is melting and there is about 1-2 gallons per minute of water flow. Then, above an old retaining structure, the water goes under the ground. When the water reemerges below the structure, there is no precipitate for a few feet. We took a water sample where the water first emerges from below the retaining structure and another several yards lower in the area where the precipitate was present. Field parameters were:

	Upper Sample	Lower Sample
Temperature	58°F	61.5°F
Conductivity	3280 mmhos	4130 mmhos
pH	7.5	7.6
Dissolved O_2	5.1	6.4

We had intended to have a lab test one of the samples for dissolved iron, but the sample was not filtered. If the problem is still present at the next inspection, another sample will be taken.

Even if there is a problem with the water quality, our impression was that it is probably not being caused by current operations. However, we felt that it would be worthwhile to at least determine if there is a water quality problem.

7. Coal Mine Waste, Refuse Piles, Impoundments

U.S. Fuel is continuing to harvest coal fines from slurry pond 5. Grading of pond 4 and refuse pile 2 is nearly complete; Mr. Gray said that the steepest slopes are now about 4h:1v (although they seemed steeper to a person walking on them). U.S. Fuel needs to do some additional work on the relatively flat top so that drainage flows properly.

Copy of this Report:

Mailed to: Marcia Petta (OSM), Mike Watson (U.S. Fuel)

Given to: Joe Helfrich, Daron Haddock (DOGM)

Inspector's Signature: Paul B. Baker #41 Date: April 22, 1994