6-28-89
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State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

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INSPECTION REPORT

INSPECTION DATE & TIME: 06-16-89
9:15 AM - 12:45 PM

Permittee and/or Operators Name: Soldier Creek Company
Business Address: P.O. Box I , Price, Ut. 84501
Mine Name: Soldier Canyon Permit Number: ACT/007/018
Type of Mining Activity: Underground xxx Surface ____ Other ____
County: Carbon
Company Official (s): Dave Spillman
State Official(s): James Leatherwood
Partial: xxx Complete: ____ Date of Last Inspection: 05-05-89
Weather Conditions: Sunny, warm
Acreage: Permitted 2973 Disturbed 12 Regraded 0 Seeded 0 Bonded 32.2
Enforcement Action: none

COMPLIANCE WITH PERMITS AND PERFORMANCE STANDARDS

	YES	NO	N/A	COMMENTS
1. PERMITS	( )	( )	( )	( )
2. SIGNS AND MARKERS	( )	( )	( )	( )
3. TOPSOIL	(x)	( )	( )	( )
4. HYDROLOGIC BALANCE:				
a. STREAM CHANNEL DIVERSIONS	( )	( )	( )	( )
b. DIVERSIONS	( )	( )	( )	( )
c. SEDIMENT PONDS AND IMPOUNDMENTS	( )	( )	( )	( )
d. OTHER SEDIMENT CONTROL MEASURES	(x)	( )	( )	(x)
e. SURFACE AND GROUNDWATER MONITORING	( )	( )	( )	( )
f. EFFLUENT LIMITATIONS	(x)	( )	( )	(x)
5. EXPLOSIVES	( )	( )	( )	( )
6. DISPOSAL OF DEVELOPMENT WASTE AND SPOIL	( )	( )	( )	( )
7. COAL PROCESSING WASTE	( )	( )	( )	( )
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	( )	( )	( )	( )
b. DRAINAGE CONTROLS	( )	( )	( )	( )
c. SURFACING	( )	( )	( )	( )
d. MAINTENANCE	( )	( )	( )	( )
17. OTHER TRANSPORTATION FACILITIES	( )	( )	( )	( )
18. SUPPORT FACILITIES UTILITY INSTALLATIONS	( )	( )	( )	( )

INSPECTION REPORT
(continuation sheet)

PERMIT NUMBER: ACT/007/018 DATE OF INSPECTION 06-16-89

(Comments are Numbered to Correspond with Topics Listed Above)

4. Hydrologic Balance:
   d. Other Sediment Control Measures

The straw berms installed downslope from the exploration site required minor maintenance. The maintenance was conducted forthwith. Further maintenance will be conducted as necessary.

   f. Effluent Limitations

As stated in the May 5, 1989 inspection report, there is an indication that discharge from MW-2 is affecting Soldier Creek. The creek bottom is significantly darker in color (gray to black) from the point of discharge to approximately 0.2 to 0.3 miles downstream. Samples were taken upstream and downstream from the discharge. Samples were analyzed for nitrate-nitrogen, pH, electrical conductivity and temperature with the Hach field spectrometer in the field.

	Upstream	Downstream
Nitrate - N (mg/l)	0.113	0.075
pH	8.3	8.0
EC (mmhos/cm)	0.82	1.10
Temp (C)	18.3	16.5

Temperature and pH were also evaluated furhter downstream near the topsoil stockpile. Temperature and pH were 18.6 and 8.7, respectively. The analyzed data did not indicate anything out of the ordinary. The darker coloration seemed to be associated with a microbial growth along the streambed floor. No microbial life was noted in areas of high velocity waters, most likely due to scouring. In shallow, slow flowing portions of the downstream, gas production from the microbial activity was evident.

The microbial activity had most probably taken place in past history but the usual high runoff would scour the microbial colonies from most of the surfaces, impeding growth. The flow in Soldier Creek is low due to the recent lack of precipitation. The low flows are allowing the microbial activity to flurish.

In evaluating the potential effects of the unknown microbial activity, transmission pathways and possible sensitive receptors were considered. Transmission could occur through digestion, inhalation, or direct contact. No senstive receptors in the transmission impact range were visably noted. Further and more extensive sampling, analysis and evaluation of the water characteristics, potential impacted sensitive receptors and modes of transmission is currently being evaluated by the Division technical staff.

Copy of this Report:
Mailed to: Dave Spillman -- SCCC, Brain Smith -- OSM
Given to: Joe Helfrich
Inspectors Signature and Number: James Fetherson #16 Date: 06-26-89