

4-25-88

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## O V E R S I G H T

## I N S P E C T I O N R E P O R T

INSPECTION DATE & TIME: March 9, 1988  
9:00 a.m. to 5:30 p.m.

Permittee and/or Operators Name: Beaver Creek Coal Co.  
 Business Address: P.O. Box 1378 Price, Utah 84501  
 Mine Name: Huntington Canyon #4 Permit Number: INA/015/004  
 Type of Mining Activity: Underground  Surface  Other   
 County: Emery State: Utah  
 Company Official (s): Dan Guy  
 State Official(s): Bill Malencik, Daron Haddock; Rade Orell (OSM)  
 Partial:  Complete:  Date of Last Inspection: Feb 9, 1988  
 Weather Conditions: see general comments  
 Acreage: Permitted 2600 Disturbed 12<sup>5</sup> Regraded 12 Seeded 12 Bonded 12<sup>5</sup>  
 Enforcement Action: None

COMPLIANCE WITH PERMITS AND PERFORMANCE STANDARDS

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

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GENERAL COMMENTS:

This complete inspection was performed by DOGM officials and accompanied by Dan Guy, BCCC representative, and Rade Orell, the oversight OSM inspector who has recently been assigned to Utah.

The weather was favorable, clear and cool; however, the majority of the road was snow packed. The vehicle finally broke through the frozen snow before reaching the sediment pond and mine site. This necessitated walking on the packed snow. Since the mine site exposure is southerly, the snow had nearly all melted and the soil surface was wet and muddy in areas of recent snow melt. The upper and lower pads were walked over.

The underground operation ceased on November 1, 1984. The mine site was reclaimed in the fall of 1985. The reclaimed area is fenced along the USFS road to prevent domestic livestock grazing. The only items remaining are the sediment pond and a small topsoil pile, both located in the same proximity. Also remaining is a gate at the Mill Creek bridge that may later be removed by the operator at the discretion of the USFS. The USFS locks the gate if moisture conditions are such that it results in tearing up the road. This is a dead-end road.

SUMMARY OF AREAS OF POTENTIAL CONCERN:

Refer to 4d and 13.

1. PERMITS:

Five-year permit was issued April 29, 1985 and expires April 28, 1990, involving 717.5 acres and is currently bonded for \$360,104. There are no outstanding or pending stipulations. Phase II bond release was approved on November 10, 1986. A recent proof of liability insurance document was reviewed, dated January 1, 1988. It was with Insurance Co. of North America and the term is for the life of the permit.

4a. STREAM CHANNEL DIVERSIONS:

A dry stream channel in the area of the coal chute was observed. The channel was riprapped. The riprap is doing its job, because most of the riprap is covered with sediment.

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**4c. SEDIMENT PONDS AND IMPOUNDMENTS:**

Sediment pond was inspected and no problems noted. Sediment pond inspection reports were reviewed. The reports were dated as follows:

Jan. 5, 1987	May 6, 1987	Sep. 7, 1987
Feb. 6, 1987	Jun. 4, 1987	Oct. 5, 1987
Mar. 11, 1987	Jul. 9, 1987	Dec. 4, 1987
Apr. 1987	Aug. 10, 1987	

All reports indicated that no problems were detected in the sediment pond or the distilling basins. The area was not accessible in January and February 1988.

**4d. OTHER SEDIMENT CONTROL MEASURES:**

While not currently considered out of compliance, some additional rill erosion, sediment control work, and water control work needs to be instituted on a small upper bench area on the lower pad west of the main drainage channel that all drains into the sediment pond. The general area is west of where the coal chute terminated and above the topsoil pile. BCCC has done subsequent riprapping on some rills that were developing. While this has put a temporary fix on further rill deepening, ultimately, undercutting will result. It was concluded as a preventative measure, additional efforts are needed. By copy of this inspection report, the operator was advised that the DOGM technical staff would provide assistance and such a request should be made to John Whitehead should assistance be needed. It is suggested that a hydrologist, soils and vegetal staff be involved in this undertaking. The operator stated he would commit to bringing in equipment and installing any additional corrective environmental control measures.

Silt fence below the topsoil pile silt fence needs to be maintained. The fence is standing but frost heaving has loosened the bottom section in two small sections. An 8-inch rill about 6 feet long has developed. This drainage is going into the sediment pond.

Three photos were taken of the aforementioned items.

**4e. SURFACE AND GROUND WATER MONITORING:**

Water monitoring plan was amended and approved March 16, 1987. The stations include 4-1-W, Little Bear Spring; 4-3-W, Upper Mill Fork,

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intermittent stream; 4-8-W, Lower Mill Fork, intermittent stream; 4-6-W, sediment pond inflow, and 4-7-W, sediment pond outflow. The outflow is an NPDES monitoring station. A mix-up in numbering on the field writeup sheets has taken place between stations 4-3-W and 4-8-W, i.e., 4-3-W was called lower and 4-8-W was called upper. The stations dropped as a result of the amendment include 4-4-W, 4-5-W, 4-9-W and 4-10-W. The MRP requires that reports be sent to DOGM, in Salt Lake City, within 60 days after the quarter ends. Reports were submitted for the first quarter, date not documented; second quarter, dated July 13, 1987; third quarter, dated November 18, 1987 and fourth quarter, dated January 5, 1988. 1988 samples were taken and/or attempted in both January and February. No problems were noted with the monitoring except for 1) the number transposing noted above, and 2) the fact that all BCCC 1988 records are to be maintained for each property and each station. Dan Guy showed us the new format which should improve the review and maintaining quality records.

4f. EFFLUENT LIMITATIONS:

NPDES discharge reports were reviewed and reports were submitted as required. The company, by letter of June 8, 1987, is approved to operate on the basis of an expired permit until a new permit is issued.

9. PROTECTION OF FISH, WILDLIFE AND RELATED ENVIRONMENTAL VALUES:

The upper pad, based on pellet observations, showed considerable elk use and very little deer sign. Some of the grass and most of the small mountain mahogany seeded browse plants had been hedged. The site appears to be an excellent area for big game animals.

13. REVEGETATION:

The vegetal cover, under an MRP requirement, must be monitored every two years following "plant establishment until bond release." The monitoring includes "cover density, species composition, and production." On August 1, 1987, a study was completed two years after seeding. The report covers species, vigor, and percent of cover. It will be submitted to DOGM, Salt Lake City, as part of the annual report.

The reclaimed area has an excellent perennial vegetal cover except for some very small areas where, because of soil and/or other conditions, retreatment is necessary. DOGM tech staff would be available for any required assistance when requested. The small areas mentioned should have a soils test before retreatment. One strand of barb needs repair at the

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lower site at the general access point. A thistle weed problem was noted on small, isolated areas on the upper and lower pads. These plants should be controlled by spraying herbicide with a backpack sprayer this spring.

14. SUBSIDENCE CONTROL:

The MRP requires that the permittee submit a subsidence report each year. Subsidence monitoring has been heretofore performed under a cooperative agreement with USFS. The coop agreement was terminated after eight (8) years. The current amended MRP approved December 8, 1987, provides for surface inspections. The subsidence report was reviewed and was included in the annual report.

16. ROADS:

USFS/public road has been ripped and seeded per specifications developed by USFS and approved by DOGM. The coal company used this road as a haul road under a special land use permit from the USFS. The permit now has been cancelled. All other roads have been removed and seeded. Last summer, the USFS summer crews installed water turnout berms and seeded the redisturbed caused by the berm construction.

Copy of this Report:

Mailed to: Dan Guy, Beaver Creek Coal

Mailed to SLC for: Brian Smith, OSM; Joe Helfrich DOGM

Filed to: PFO

Inspectors Signature and Number: Wm. J. Malencik #26 Date: Mar. 10, 1988