



State of Utah

Department of Natural Resources

MICHAEL R. STYLER  
Executive Director

Division of Oil, Gas & Mining

JOHN R. BAZA  
Division Director

JON M. HUNTSMAN, JR.  
Governor

GARY R. HERBERT  
Lieutenant Governor

Representatives Present During the Inspection:	
Company	Mark Reynolds Resident Agent
OGM	Pete Hess Environmental Scientist III

**Inspection Report**

Permit Number:	C0150025
Inspection Type:	PARTIAL
Inspection Date:	Thursday, March 06, 2008
Start Date/Time:	3/6/2008 1:15:00 PM
End Date/Time:	3/6/2008 2:40:00 PM
Last Inspection:	Friday, February 08, 2008

Inspector: Pete Hess, Environmental Scientist III

Weather: Clear; above freezing.

InspectionID Report Number: 1574

Accepted by: Jhefric *JK*  
4/10/2008

Permittee: **CO-OP MINING CO**  
 Operator: **CO-OP MINING CO**  
 Site: **BEAR CANYON MINE**  
 Address: **PO BOX 1245, HUNTINGTON UT 84528**  
 County: **EMERY**  
 Permit Type: **PERMANENT COAL PROGRAM**  
 Permit Status: **ACTIVE**

**Current Acreages**

10,967.39	<b>Total Permitted</b>
40.46	<b>Total Disturbed</b>
	<b>Phase I</b>
	<b>Phase II</b>
	<b>Phase III</b>

**Mineral Ownership**

- Federal
- State
- County
- Fee
- Other

**Types of Operations**

- Underground
- Surface
- Loadout
- Processing
- Reprocessing

**Report summary and status for pending enforcement actions, permit conditions, Division Orders, and amendments:**

The Division notified the Permittee on March 5, 2008 that the fourth quarter of 2007 surface and ground water monitoring information for the Bear Canyon Mine permit area had been successfully uploaded into the permanent data base files. The Permittee continues to meet the Special Condition included as Attachment "A" of the current State permit relative to electronic water monitoring submittals. There are no pending compliance actions at this site.

Inspector's Signature:

*Pete Hess*

Date

Friday, March 07, 2008

Pete Hess, Environmental Scientist III  
Inspector ID Number: 46

**Note:** This inspection report does not constitute an affidavit of compliance with the regulatory program of the Division of Oil, Gas and Mining.

**REVIEW OF PERMIT, PERFORMANCE STANDARDS PERMIT CONDITION REQUIREMENTS**

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 Not Applicable.
  - b. For PARTIAL inspections check only the elements evaluated.
2. Document any noncompliance situation by reference 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, Divison Orders, and amendments.

	Evaluated	Not Applicable	Comment	Enforcement
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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Topsoil	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.a Hydrologic Balance: Diversions	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4.b Hydrologic Balance: Sediment Ponds and Impoundments	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4.c Hydrologic Balance: Other Sediment Control Measures	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.d Hydrologic Balance: Water Monitoring	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4.e Hydrologic Balance: Effluent Limitations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Explosives	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. Disposal of Excess Spoil, Fills, Benches	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Coal Mine Waste, Refuse Piles, Impoundments	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. Noncoal Waste	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
9. Protection of Fish, Wildlife and Related Environmental Issues	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. Slides and Other Damage	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11. Contemporaneous Reclamation	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
12. Backfilling And Grading	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13. Revegetation	<input type="checkbox"/>	<input type="checkbox"/>	<input 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16.a Roads: Construction, Maintenance, Surfacing	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16.b Roads: Drainage Controls	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
17. Other Transportation Facilities	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
18. Support Facilities, Utility Installations	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
19. AVS Check	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
20. Air Quality Permit	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
21. Bonding and Insurance	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
22. Other	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**1. Permits, Change, Transfer, Renewal, Sale**

The Division is preparing to initiate a mid-term review of the Bear Canyon Mine permit, as of April 2, 2008.

**4.a Hydrologic Balance: Diversions**

The ditches and culvert inlets which are located along the bank toe of the #3 and #4 Mine access roads remain snow covered. The berms have or are in the process of melting off. Some melt water is reporting to the road surfaces, and is helping to keep dust generated by mine vehicles down. The diversion identified as D-14U on PLATE 7-1B (connects the open channel spillway from pond "A" to Bear Creek) needs to have the rock and rabbit brush which have accumulated removed.

**4.b Hydrologic Balance: Sediment Ponds and Impoundments**

The sites ponds remain frozen; some pond cleaning will more than likely be necessary in the spring.

**4.d Hydrologic Balance: Water Monitoring**

The Permittee notified the Division on February 14, 2008 that an inflow of approximately 200 gallons per minute had been intercepted by the retreating #1 Longwall panel located in the #4 Mine (Tank seam). The Permittee believes this inflow is from a perched aquifer. Mr. Reynolds informed the Division that the in-Mine pump system was backing up and that the continuous miner development section was flooding. The current system uses three inch boreholes (2) through the interburden connecting the #3 Mine (Blind Canyon seam / lower Mine) with the #4 Mine (Tank seam). The three inch bores were felt to be the restriction on the system, causing an inadequacy in flow quantity. The flow volume is being discharged to Bear Creek just below the right fork road junction (permitted UPDES outfall). The flow was observed this day. The turbidity of the mine water discharge is very low when visually compared with the undisturbed flow in Bear Creek coming from above the Mine site. No samples were taken. Mr. Reynolds indicated that flow meters will be able to provide data relative to the intercepted inflow from the #1 Longwall panel.

**8. Noncoal Waste**

Some non-coal waste is appearing with the melting off of the snow. Dumpster locations were in good order. Several derelict vehicles are in storage on the maintenance shop pad. The Permittee should remove these ASAP. Mr. Reynolds informed the Division that XTO has shown an interest in locating a CBM well at the maintenance shop pad. C.W. Mining Company is negotiating with that Company at this time.

**11. Contemporaneous Reclamation**

The demolition of the remaining facilities at the Bear Canyon #1 Mine Hiawatha belt portal was discussed; the Division has requested that this work be accomplished during the summer of 2008.

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**20. Air Quality Permit**

JBR Environmental is preparing the air quality modeling revision for the Permittee, prior to submittal to the Utah DEQ / Division of Air Quality.