



The State of Utah  
 Department of  
 Natural Resources  
 Division of  
 Oil, Gas & Mining

ROBERT L. MORGAN  
*Executive Director*

LOWELL P. BRAXTON  
*Division Director*

OLENE S. WALKER  
*Governor*  
 GAYLE F. McKEACHNIE  
*Lieutenant Governor*

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

# Inspection Report

Permit Number:	C0150025
Inspection Type:	PARTIAL
Inspection Date:	Thursday, August 19, 2004
Start Date/Time:	8/19/2004 10:10:00 AM
End Date/Time:	8/24/2004 2:05:00 PM
Last Inspection:	Monday, July 19, 2004

Inspector: Pete Hess, Environmental Scientist III  
 Weather: Partly cloudy; 70's F.  
 InspectionID Report Number: 373

Accepted by: whedberg  
 9/22/2004 OK

Permitee: **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**

3,336.18	<b>Total Permitted</b>
36.64	<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 current State permit contains three special conditions, two of which are no longer pertinent: 1) The sealing of the Bear Canyon #1 Mine on January 10, 2004 ended the possibility of transferring intercepted ground water into the old mine workings above the Big Bear and Birch springs. 2) Initiation of mining in the #3 Mine of the Wild Horse Ridge area required a Federal Mine Plan approval for Federal coal leases U-038727 and U-0020668. The last special permit condition included within Attachment "A" of the current State permit is the requirement that the permittee must submit all water monitoring information to the Division's electronic web site. The permittee is currently in compliance with this requirement.

A follow up inspection of the site was conducted on August 24, to confirm that several items which had been noted during the August 19th inspection had been addressed.

Inspector's Signature

Date Tuesday, August 24, 2004

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.

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**Inspection Continuation Sheet**

**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 type="checkbox"/>	<input type="checkbox"/>	<input 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 type="checkbox"/>	<input type="checkbox"/>
4.c Hydrologic Balance: Other Sediment Control Measures	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4.d Hydrologic Balance: Water Monitoring	<input type="checkbox"/>	<input type="checkbox"/>	<input 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 checked="" 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 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
10. Slides and Other Damage	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11. Contemporaneous Reclamation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12. Backfilling And Grading	<input type="checkbox"/>	<input 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 type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16.a Roads: Construction, Maintenance, Surfacing	<input 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 type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
18. Support Facilities, Utility Installations	<input 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"/>

#### **4.a Hydrologic Balance: Diversions**

The access road designated as "Primary Conveyor Access Road #1" (See PLATE 7-1F) has wheel tracks which are being eroded by rainfall volumes intercepting the pad area by the conveyor drive. Although PLATE 7-1F depicts ditch D-20U paralleling the access road, the ditch is not well defined on the upper 100 feet, where it parallels the toe of the cut bank. The intercepted precipitation is running uncontrolled into the wheel tracks, causing additional erosion in same. Along the lower 300 feet of ditch, the access road is sloped toward the ditch, reporting runoff to it. The drainage was discussed with Mr. Reynolds; it was suggested that water bars (possibly 2-3) be installed with the top bar at the east end of the pad. Ditch D-20U must be defined to the top of the access road, to collect the runoff and report it to the undisturbed right fork of Bear Canyon channel. Also, straw bales or some other type of water treatment mechanism should be installed where runoff in D-20U intercepts of undisturbed flow in the right fork of Bear Creek.

#### **4.c Hydrologic Balance: Other Sediment Control Measures**

The Bear Canyon disturbed area utilizes four catch basins, three of which are located in the Wild Horse Ridge addition. These three containments are designated as catch basins 1, 2 and 3. Designs for 1, 2 and 3 are contained in Appendix 7-K of the MRP. The fourth catch basin is located on the North corner of the maintenance shop, in ditch D-7D. The depicted location is at the base of the outslope forming the SSW end of the coal storage pad. Mr. Reynolds indicated that the need for this basin is questionable, as it is difficult to maintain due to its location, and any flow reporting through this ditch ultimately ends up in sediment pond "A". It appears that the intent of the basin was to catch sediment to reduce buildup in ditch D-7D, and reduce the cleaning frequency of both the ditch and pond "A". However, the location of the basin is incorrect to do much treatment, as the flow velocity reporting to this basin from the slope would not allow treatment until the termination of the event. It was suggested that the permittee remove this basin from the surface drainage treatment regime, rather than be held liable for its maintenance. Catch basin #3 has a P.E. design contained on page 7K-22 of the Bear Canyon MRP. The design calls for a minimum storage volume for sediment and water of 375 cubic feet. The storage capacity of this basin, as determined on August 24 was determined to be 540 cubic feet. The permittee still needs to survey the basin and submit an "as-built" design for same to meet the requirements of R645-301-733.110 (R645-301-531). As noted in the July inspection report, the silt fences located at the bottom of ditches D-30U and D-37U had not been installed in accordance with the approved MRP design, as depicted on page 7-105, FIGURE 7.2-15. As observed on August 19, proper installations of these fences had been performed.

**5. Explosives**

The permittee provided the assigned Division reclamation specialist a copy of the revised Plate 2-4F, which shows the new location of the powder storage magazine at the site. Due to a concern by a local MSHA inspector, this magazine was relocated to right fork of Bear Creek road crossing which accesses the No. 1 Primary Conveyor Access Road. The detonator storage magazine was moved to its original location, (location established prior to the #4 Mine portal construction activities). As indicated by Plate 2-4F, a distance of five hundred and eighty feet now separates the two magazines.

**8. Noncoal Waste**

A battery powered golf cart (once used for underground transportation purposes) was observed in the equipment storage area south of the maintenance shop. The status / condition of the batteries in this machine was not known. Mr. Reynolds was asked to have the batteries either properly stored, or properly disposed of, depending upon the permittee's need, and the status of the batteries.

**9. Protection of Fish, Wildlife and Related Environmental Issues**

As observed on August 24th, the permittee had cleaned up two areas where machines had leaked lubricants into the soils.

**20. Air Quality Permit**

The north end of the truck loading loop is an unpaved primary road. The double trailer coal trucks which were using the road on 8/19 were observed to be throwing particulates into the atmosphere at low speeds. The road surface consists of very fine, dry powder. The Division requested on 8/19 that the road be watered in accordance with section 3.5.7.2, page 3-56 of the Bear Canyon mining and reclamation plan. It was also noted that the dozer operating in the vicinity of the #4 coal pile was throwing large volumes of coal fine particulates into the atmosphere. The pad area was not kept reasonably clean, as loose coal was being trammed over by the permittee's dozer. Coal fines thrown into suspension constitute an explosion hazard. It was observed on August 24th that the primary haul road loading loop had been watered.