



**GARY R. HERBERT**  
Governor  
**GREG BELL**  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

**MICHAEL R. STYLER**  
Executive Director

### Division of Oil, Gas and Mining

**JOHN R. BAZA**  
Division Director

OK

# Inspection Report

Permit Number:	<b>C0150009</b>
Inspection Type:	<b>COMPLETE OVERSITE</b>
Inspection Date:	<b>Wednesday, March 07, 2012</b>
Start Date/Time:	<b>3/7/2012 8:51:00 AM</b>
End Date/Time:	<b>3/7/2012 12:00:00 PM</b>
Last Inspection:	<b>Wednesday, November 21, 2012</b>

Representatives Present During the Inspection:	
Company	Guy Davis
OSM	Elizabeth Shaeffer
OGM	Pete Hess

Inspector: Pete Hess

Weather: Overcast, warm, 40-50 degrees. Flurries off & on.

InspectionID Report Number: 3038

Accepted by: jhelfric

3/20/2012

Permittee: **ENERGY WEST MINING CO**  
Operator: **ENERGY WEST MINING CO**  
Site: **TRAIL MOUNTAIN MINE**  
Address: **PO BOX 310, HUNTINGTON UT 84528**  
County: **EMERY**  
Permit Type: **PERMANENT COAL PROGRAM**  
Permit Status: **ACTIVE**

#### Current Acreages

3,538.98	<b>Total Permitted</b>
10.39	<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:

Ms. Elizabeth Shaeffer, Environmental Protection Specialist with the USDOJ / OSMRE / WRCC, attended the complete inspection this day.

This site remains in temporary cessation status.

Attachment A / Special Conditions of the State issued mining permit has two stipulations;

1) a requirement to submit quarterly surface and ground water monitoring data in an electronic form to the DOGM water monitoring EDI. The Permittee is current on this requirement.

2) The Permittee must monitor in-mine ground water flows during entry development when volumes equal or exceed 5 GPM for the parameters listed in "DOGM Guidelines for Groundwater Quality" (See Page 6 of the current State permit, dated February 21, 2010). There is no mining occurring at this time. This stipulation is not applicable at this time.

The site is snow covered; access through the site by 4 X 4 was possible.

Inspector's Signature:

*Pete Hess*

Date

Wednesday, March 7, 2012

Pete Hess,

Inspector ID Number: 46



**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 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 checked="" 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 checked="" 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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 checked="" type="checkbox"/>	<input checked="" 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
11. Contemporaneous Reclamation	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14. Subsidence Control	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
15. Cessation of Operations	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
16.a Roads: Construction, Maintenance, Surfacing	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
16.b Roads: Drainage Controls	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
22. Other	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

### **3. Topsoil**

The single topsoil pile located in Fan Canyon was snow covered; there were no visible problems noted.

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

The diversions which were visible appeared capable of functioning as designed. The main inlet and outlet of the undisturbed bypass culvert were observed, as was the inlet of the Fan Canyon undisturbed lateral. All trash racks were clear of debris. Nielson Construction has used roto-mill material to construction a diversion berm on the County road immediately outside of the East perimeter fence / permit boundary. The berm is to prevent undisturbed drainage from flowing onto the permit area at the gate locations, and filling up the permitted ditches, thence flowing into the sediment pond. Some material has passed through the chain link fence material and landed in the permit boundary diversion. The Permittee was instructed to clean this out.

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

The 4th Quarter 2011 sediment pond inspection was completed by Mr. John Christensen, Utah registered P.E., on December 16, 2011. There were no unstable conditions or other hazards identified by the Permittee's qualified individual at that time. Mr. Christensen noted that there is only .03 AF of sediment storage capacity remaining as of the inspection date. The Permittee has scheduled cleaning of the mine site facilities pond during 2nd quarter 2012. The P.E. certification of the 4th Quarter report was completed by Mr. Christensen on January 20, 2012.

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

At the request of the Division, the Permittee has installed four temporary diversions across the facilities pad to sub-divide that watershed. The diversions route runoff from the portal escarpment and ancillary roads directly to the concrete perimeter diversion at the east permit boundary. These diversions will be removed by grading when the site is re-activated. The outlets where the ditch flow drops into the concrete ditch is ripped to further minimize erosion. The diversions can be easily crossed by vehicle.

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

The Division assigned hydrologist for the Trail Mountain permit area completed a review of the 3rd Quarter 2011 water monitoring data on March 6, 2012. Task ID # 3920 report revealed that all required water monitoring points were monitored for the required parameters. There were two irregularities identified in the data, both being at springs; 1) total hardness for the July sample at 18-2-1, and 2) the flow volume at 18-3-1 in July. Both irregularities were outside two standard deviations. The depth to water level in well TM-1B began rising in 2003 and continues on an upward trend. The cause is not evident. The Permittee is still entering water data into the DOGM EDI pipeline for the first quarter of 2012; that data entry is not due for completion until March 31, 2012.

**4.e Hydrologic Balance: Effluent Limitations**

Discharge monitoring reports for the 4th Quarter of 2011, and January of 2012 were reviewed for timely submittal, and parameter exceedances. All four monitoring periods were noted as "no discharge" for both of the permitted outfalls (001A / sediment pond and 002A / mine water).

**5. Explosives**

There are no explosive or detonator storage magazines at the site; all storage is maintained either at the Central Warehouse (not DOGM permitted) or by the explosive vendor. The Permittee maintains liability coverage for damage incurred from the use of explosives under the general liability policy.

**7. Coal Mine Waste, Refuse Piles, Impoundments**

**8. Noncoal Waste**

Non-coal waste was not visible at the site.

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

The electrical substation is de-energized. Wildlife was not observed within the permit boundary.

**10. Slides and Other Damage**

The shot creted highwall located directly behind the Pump House remains unchanged (some material has spalled due to deterioration of the red dog material behind it).

**14. Subsidence Control**

Secondary extraction in this Mine was terminated in 2001;

**15. Cessation of Operations**

The permit area remains in temporary cessation status.

**16.a Roads: Construction, Maintenance, Surfacing**

Material which spalls from the escarpment above the portal access road has been cleared. Erosion of the road base material adjacent to the steel crossing plates at the lower gate (just north of the sediment pond) was observed. The Permittee was instructed to repair this, possibly with some roto-mill material.

**16.b Roads: Drainage Controls**

All drainage controls which were visible appeared capable of functioning as designed.

**19. AVS Check**

The Division completed a mid-term permit review of the Trail Mountain Mine permit, which included an evaluation of the ownership and control information through the OSM applicant / violator system, on September 16, 2009. Although several deficiencies were detected by the evaluation, all were corrected by October 5, 2009, which is the incorporation date of the approval.

**20. Air Quality Permit**

Please see comment under Section 1.

**21. Bonding and Insurance**

The general liability insurance is due for the annual renewal on August 28, 2012; the coverage amounts for the each occurrence and general liability categories are \$ 2,000,000 each, which exceeds the requirement established under R645-301-890.100. Coverage for damage incurred from the use of explosives is provided. The cancellation of coverage notification of the Division requirement is adequate. The Division holds a surety bond in the amount of \$ 1,354,000 to ensure the reclamation of the Trail Mountain site.