

0016



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:	
OGM	Priscilla Burton Environmental Scientist III
Company	Dennis Oakley Environmental Engineer

**Inspection Report**

Permit Number:	C0150018
Inspection Type:	TECHNICAL
Inspection Date:	Tuesday, April 24, 2007
Start Date/Time:	4/24/2007 8:30:00 AM
End Date/Time:	4/24/2007 12:00:00 PM
Last Inspection:	Tuesday, April 17, 2007

Inspector: Priscilla Burton, Environmental Scientist III

Weather: 55 partly cloudy

InspectionID Report Number: 1280

Accepted by: whedberg *OK*  
5/4/2007

Permitee: PACIFICORP  
 Operator: ENERGY WEST MINING CO  
 Site: DEER CREEK MINE  
 Address: PO BOX 310, HUNTINGTON UT 84528  
 County: EMERY  
 Permit Type: PERMANENT COAL PROGRAM  
 Permit Status: ACTIVE

Current Acreages

19,740.78	Total Permitted
97.74	Total Disturbed
	Phase I
	Phase II
	Phase III

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:

Discussion of soil analysis information under review as Task ID #2748, site visit to soil sample locations and plan for further sampling to delineate the best available material in the permit area.

Inspector's Signature: *Priscilla Burton* Date: Tuesday, April 17, 2007  
 Priscilla Burton, Environmental Scientist III  
 Inspector ID Number: 37

**Note:** This inspection report does not constitute an affidavit of compliance with the regulatory program of the Division of Oil, Gas and Mining.  
 1594 West North Temple, Suite 1210, PO Box 145801, Salt Lake City, UT 84114-5801  
 telephone (801) 538-5340 • facsimile (801) 359-3940 • TTY (801) 538-7458 • www.ogm.utah.gov

Permit Number: C0150018  
 Inspection Type: TECHNICAL  
 Inspection Date: Tuesday, April 24, 2007

**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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. Signs and Markers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Topsoil	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.a Hydrologic Balance: Diversions	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.b Hydrologic Balance: Sediment Ponds and Impoundments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.c Hydrologic Balance: Other Sediment Control Measures	<input type="checkbox"/>	<input type="checkbox"/>	<input 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 type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. Disposal of Excess Spoil, Fills, Benches	<input type="checkbox"/>	<input 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 type="checkbox"/>	<input type="checkbox"/>	<input 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 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 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 type="checkbox"/>	<input type="checkbox"/>	<input 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**

Volume 2, Section R645-301-233, the Permittee commits to a soils sampling program. Two reasons for the sampling program are described: (1) to find suitable substitute topsoil material for the site and (2) to find suitable cover material for the refuse. The soil samples were taken in October of 2002 and provided to the Division on July 25, 2006, with supplemental information received on February 2, 2007. The Division reviewed this information (Task ID #2748) and found that the proposed substitute topsoil is not suitable for reclamation cover material due to its extreme sodicity. Mr. Oakley indicated that Energy West's options are limited for providing reclamation surface cover, and the soil above the Deer Creek undisturbed drainage culvert is still considered as the best available in the permit area. With this in mind, the need for further soil testing was discussed. Locations of previous soil testing were observed and vegetation was noted growing nearby, indicating that salt loading may be restricted to locations along the road drainage (which is the source of substitute topsoil). It was agreed to conduct further sampling to provide indication of the extent of salt loading along the roadway (and to provide a basis for gypsum calculation, if necessary) or to show that the salt is leaching through the profile over time. Locations of future soil testing were approximated on Map DS1810D. At the time of sampling, locations will be noted with GPS. Field notes will be provided to the Division. Samples of undisturbed soil will be taken for comparison with the pad fill samples. This requirement for further testing should be added as a condition on the permit. Photographs were taken of the approximate location of previous samples.