



# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

# Inspection Report

Permit Number:	C0150019
Inspection Type:	TECHNICAL
Inspection Date:	Friday, July 19, 2013
Start Date/Time:	7/19/2013 10:30:00 AM
End Date/Time:	7/19/2013 1:30:00 PM
Last Inspection:	Wednesday, June 05, 2013

Representatives Present During the Inspection:	
OGM	Priscilla Burton
OGM	Ingrid Campbell
Company	Dennis Oakley

Inspector: Priscilla Burton,

Weather: sun 90 F

InspectionID Report Number: 3548

Accepted by: jhelfric

7/31/2013

Permitee: **PACIFICORP**  
 Operator: **ENERGY WEST MINING CO**  
 Site: **COTTONWOOD/ WILBERG**  
 Address: **PO BOX 310, HUNTINGTON UT 84528**  
 County: **EMERY**  
 Permit Type: **PERMANENT COAL PROGRAM**  
 Permit Status: **ACTIVE**

#### Current Acreages

4,114.18	<b>Total Permitted</b>
45.27	<b>Total Disturbed</b>
21.29	<b>Phase I</b>
21.29	<b>Phase II</b>
21.29	<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:

Walked the site and discussed revisions to the MRP recently reviewed as Task 4329. Refer to Dwg 4-5 for facility locations.

Inspector's Signature:

Digitally signed by Priscilla Burton  
 DN: cn=Priscilla Burton, o, ou,  
 email=priscillaburton@utah.gov, c=US  
 Date: 2013.08.05 15:06:23 -0600'

Priscilla Burton,

Inspector ID Number: 37

Date

Friday, July 19, 2013

Note: This inspection report does not constitute an official statement of compliance with the regulatory program of the Division of Oil, Gas and Mining.  
 telephone (801) 538-5340 • facsimile (801) 359-3940 • TTY (801) 538-7458 • www.ogm.utah.gov



**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 checked="" 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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**

Revisions to the MRP are under review (Task 4329).

### **3. Topsoil**

Four topsoil stockpiles and a subsoil pile are at the site. The topsoil piles are well vegetated. Further maintenance of sediment control on the entrance topsoil stockpile was determined to be un-necessary, as there is no evidence of erosion from the pile and a road ditch contains any sheet wash. Sediment controls on the two other roadway piles are functioning and should be maintained. There was cryptogamic soil covering large areas of soil on the topsoil stockpiles. A rill is forming on the south face of the subsoil pile. Sediment control on the subsoil stockpile should be maintained. The large topsoil stockpile, to the west of the sediment pond, is well vegetated and there was no evidence of erosion.

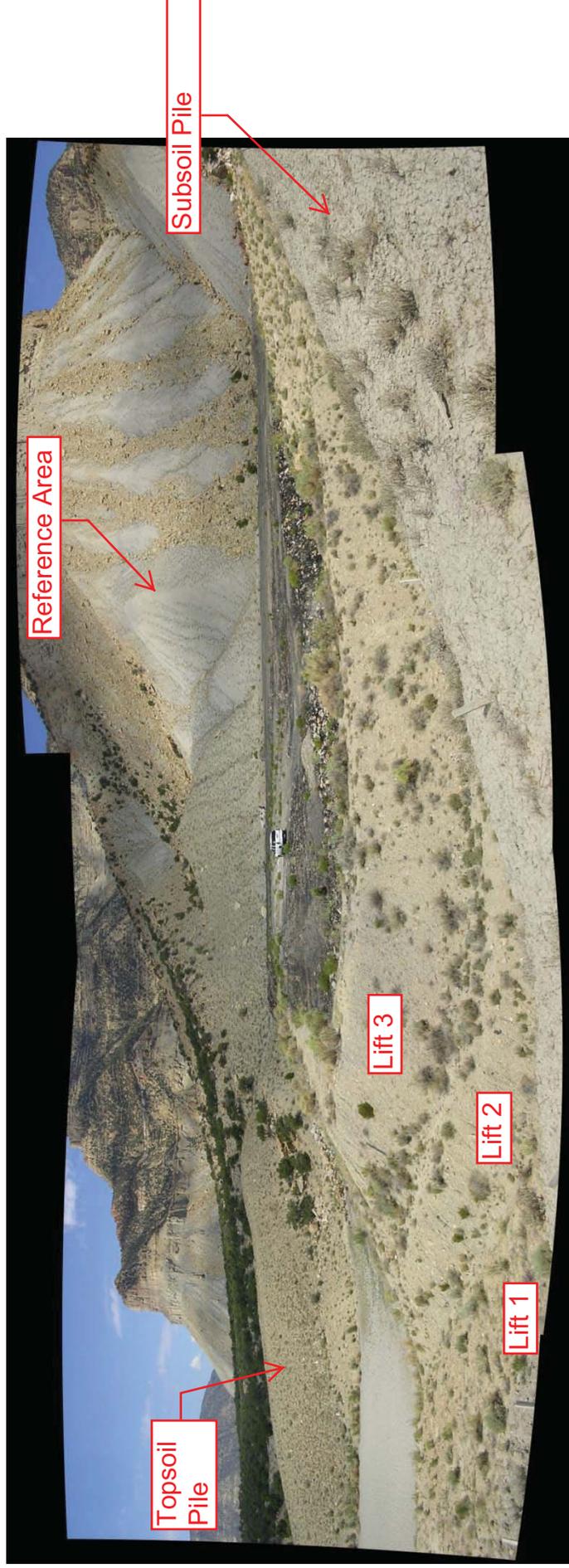
The interim reclamation treatments used on the topsoil stockpiles are described in Chap. III, Section IV Interim Reclamation of the MRP (pp. 3-6 through 3-8, dated 1990). Treatments included surface roughening before seeding, seeding during late Fall after October 1, fertilizer application in an approximate combination and rate of Ammonium Nitrate 50 lbs/ac and Triple Superphosphate 75 lbs/ac., followed by mechanical raking of seed, followed by an application of 2 tons/ac mulch blanket or hay mulch. (There was evidence of staples used to hold a mulch blanket on the largest topsoil stockpile and the subsoil pile.) The Interim seed mix resulted in approximately 115 seeds/sq. ft. (55 grass, 45 forb, 15 shrub) and consisted of Grasses: Thickspike Wheatgrass (2 lbs/ac), Streambank Wheatgrass(2), Basin Wildrye (3), Indian Ricegrass (2), Bottlebrush Squirreltail(1), Sandberg Bluegrass(0.5), Alkali Sacaton (0.25). Forbs: Cicer Milkvetch (1), Yellow sweetclover(3), Palmer penstemon(0.5), Alfalfa (1). Shrubs: Shadscale (3), Castle Valley Saltbush (3), Winterfat (3), Basin Big Sagebrush (0.25). The total was 25.50 lbs seed/acre.

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

The sediment pond was dry.

### **13. Revegetation**

Vegetation of the topsoil piles was very well established and controlling erosion. The location of the saltbush reference area was noted.



Cottonwood Waste Rock Site.



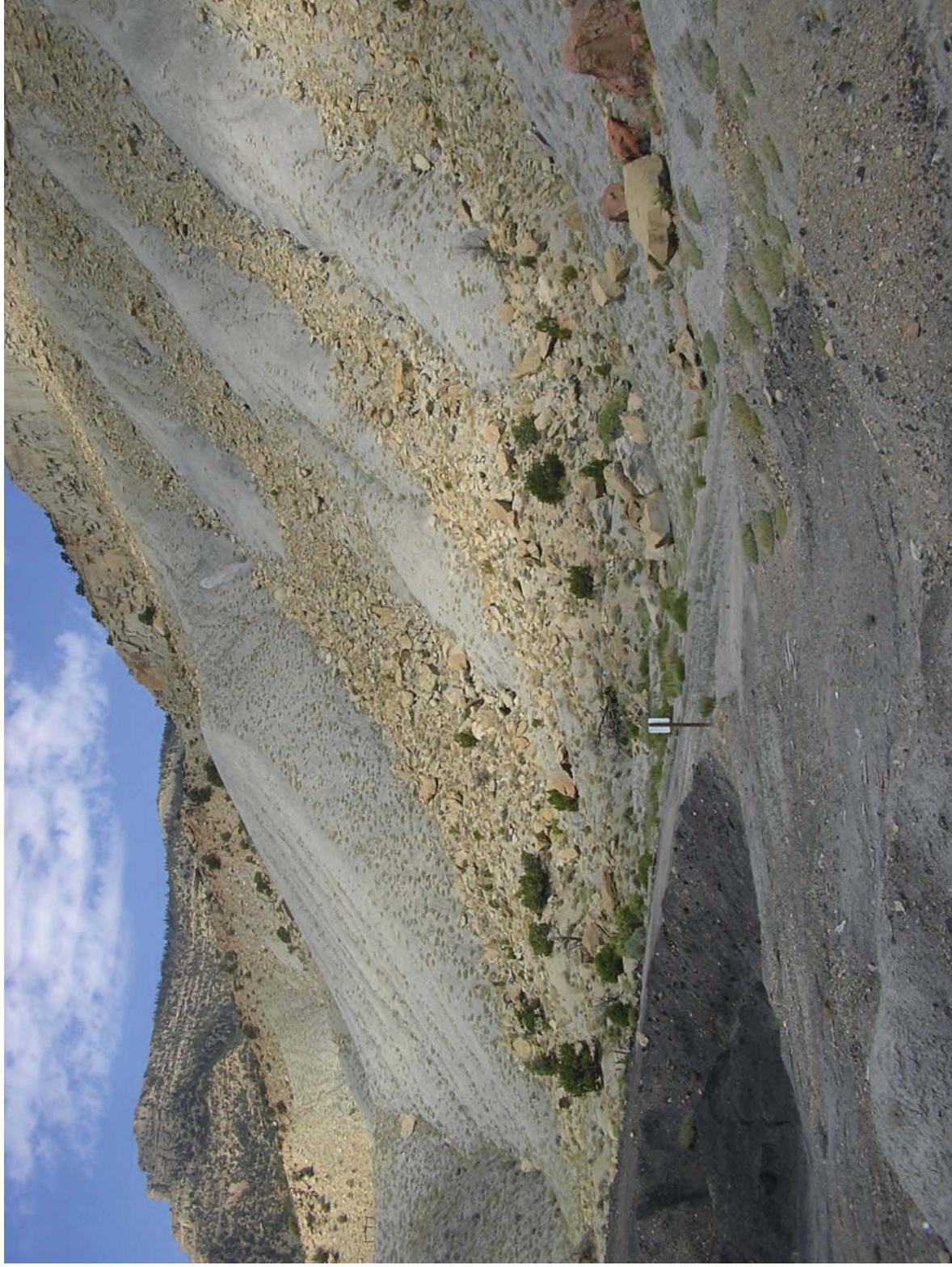
Topsoil pile and dry sediment pond



Sediment pond and three reclaimed lifts and subsoil pile in background.



subsoil pile



Reference Area.



Topsoil stockpile at the entrance to the site.



Two topsoil stockpiles along road. (Vehicle is parked at the second topsoil stockpile.)



7/19/2013

Image USDA Farm Service Agency  
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Image State of Utah

Google earth

Imagery Date: 9/14/2011 39°17'47.80" N 111°07'18.62" W elev 6809 ft eye alt 7783 ft