



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:	C0070041
Inspection Type:	PARTIAL
Inspection Date:	Tuesday, October 11, 2016
Start Date/Time:	10/11/2016 9:00:00 AM
End Date/Time:	10/11/2016 2:30:00 PM
Last Inspection:	Wednesday, September 21, 2016

Representatives Present During the Inspection:	
OGM	Priscilla Burton
OGM	Cheryl Parker

Inspector: Priscilla Burton,

Weather: sun 60F

InspectionID Report Number: 5661

Accepted by: DHADDOCK
10/25/2016

Permitee: **WEST RIDGE RESOURCES**
 Operator: **WEST RIDGE RESOURCES**
 Site: **WEST RIDGE MINE**
 Address: **PO BOX 910, EAST CARBON UT 84520-0910**
 County: **CARBON**
 Permit Type: **PERMANENT COAL PROGRAM**
 Permit Status: **ACTIVE**

Current Acreages

8,080.58	Total Permitted
31.24	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:

This site evaluation was conducted in conjunction with the mid-term review. The site is inactive. The portals are temporarily sealed. The conveyor belting has been removed. The coal stockpile is gone. Several structures have been removed from their foundations. The office and maintenance facilities were in use. Several storage yards were in use. Beverly Wisner, Engineering Technician with DOGM, and Karen Odendahl, Environmental Specialist with UtahAmerican Energy, also attended the inspection. Refer to Map 1-0 Permit Map, Map 5-5 Surface Facility Map, Map 7-2 Mine Site Drainage Map and Map 7-7 Operational Monitoring Locations for culverts ditches, catch basins, yards and reclaimed areas mentioned in this report.

Priscilla Burton

Digitally signed by Priscilla Burton
 DN: cn=Priscilla Burton, o, ou,
 email=priscillaburton@utah.gov, c=US
 Date: 2016.11.01 14:07:31 -06'00'

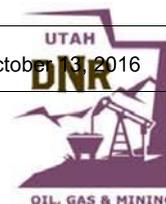
Inspector's Signature:

Date Thursday, October 13, 2016

Priscilla Burton,

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.
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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 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 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 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 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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 checked="" type="checkbox"/>	<input type="checkbox"/>
17. Other Transportation Facilities	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
18. Support Facilities, Utility Installations	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

1. Permits, Change, Transfer, Renewal, Sale

UEI is negotiating the sale of the Bear Canyon degas well and associated disturbance (location shown on Map 1-0).

4.a Hydrologic Balance: Diversions

A large storm hit the site a week ago. The diversion ditches are cut deeply. The Permittee has completed much of the maintenance work to remove clogs from culverts, however, down drains in the vicinity of the loadout still require maintenance. Culvert DC8 below the access road to the coal pile is crushed.

4.b Hydrologic Balance: Sediment Ponds and Impoundments

The pond (Cell B) did not discharge during the storm.

4.c Hydrologic Balance: Other Sediment Control Measures

Sheet flow across the coal storage yard has eroded approximately 2-3 inches of soil from the surface. It is recommended that sediment cleanout (currently stockpiled on the coal pad) be used to create water bars along the contour of the coal pad to reduce overland flow velocity.

Several storage yards at the site contribute sediment to ditches and the pond during storm events. As equipment is removed from the site, the goal to consolidate storage into a single yard could be achieved over time. This would allow interim reclamation of the open areas and reduce sediment flow across the site.

5. Explosives

Explosive storage is at the upper material storage yard. All explosives have been removed to Lila Canyon.

9. Protection of Fish, Wildlife and Related Environmental Issues

Tamarisk was noted near the fan portal and along ditches in the disturbed area. Tamarisk is a Utah Class 3 noxious weed and must be removed. Tamarisk was also noted at the catchment A site. Tamarisk in this location should also be controlled. However, it was noted that tamarisk is prevalent throughout the Grassy trail drainage, the management of which is under the direction of the BLM.

11. Contemporaneous Reclamation

We hiked to the abandoned mine portal in B Canyon that was briefly re-opened for ventilation and access in 2012. The B Canyon work is described in App. 5-19. The area was reclaimed and seeded two years ago (2014). There was good cover, although some of the cover was weedy. A small vertical air monitoring pipe was placed in the backfill.

15. Cessation of Operations

The site is inactive. All portals are temporarily sealed. The conveyor belting has been removed. The coal stockpile is gone. Several structures have been removed from their foundations. The office and maintenance facilities were in use. Several storage yards were in use. The federal coal lease SL 058754 has not been retired, but is mostly mined (Map 5-4B Mining Projections). The Permittee has expressed future plans to re-open the portals to mine pillars 1,200 ft. inby to the 8th Right Mains. No further advance is contemplated because ground water will be encountered beyond that location, at an elevation of 6,000 ft.

16.b Roads: Drainage Controls

Ditches DD4, DD5, DD9, DD6, DD11 and DD12 along the paved roads and in the loadout are deeply incised due to erosional flow.

17. Other Transportation Facilities

The loadout is designated as a storage facility and is being used as such.

18. Support Facilities, Utility Installations

Power to the conveyor is being maintained for security.

19. AVS Check

An AVS check was run on 9/1/2016. A linking entity's violation under conditional status was reported.

22. Other

Catch Basin A was observed to be full of sediment and non-functional. Some flow in the channel now bypasses the catch basin and flows over the road or the flow by passes the weir of the catch basin, so that sedimentation no longer occurs. The catch basin should either be maintained or reclaimed. The catch basin is on BLM land. The catch basin was inspected by the BLM in the last six months. The Division agreed to contact the BLM about the possibility of reclaiming this catch basin.

ATTACHMENT A – Photos



PHOTO 1 coal storage yard



PHOTO 2 clogged coal stockyard undisturbed bypass inlet



PHOTO 3 sealed man portal



PHOTO 4 sealed conveyor portal

ATTACHMENT A – Photos continued



PHOTO 5 sealed man portal



PHOTO 6 fan sealed with foam



PHOTO 7
Tamarisk and willows along DD4-A



PHOTO 8
Interim reclamation on slope above DD4

ATTACHMENT A – Photos continued



PHOTO 9

High wall and conveyor with belting removed



PHOTO 10

Warehouse shop at the end of the Materials storage yard

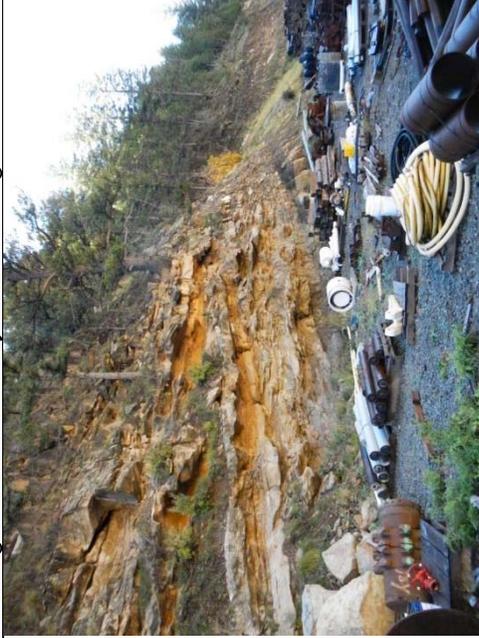


PHOTO 11

North facing cut slope by the explosives storage



PHOTO 12

Water tank and topsoil stockpile at the East end of the Materials storage yard

ATTACHMENT A – Photos continued	
	 <p style="text-align: center;">PHOTO 14 Jersey barriers form Catchment A</p>
<p style="text-align: center;">PHOTO 13 Flow exiting creek before Catchment A crosses road</p>	
<p style="text-align: center;">PHOTO 15 Catchment A silted in.</p>	 <p style="text-align: center;">PHOTO 16 Catchment A wier is no longer functional and should be reclaimed.</p>

ATTACHMENT A – Photos continued



PHOTO 17

B Canyon reclamation was completed in 2014.



PHOTO 18

Stand pipe at the B Cyn reclaimed portal.