



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:	C0150032
Inspection Type:	TECHNICAL
Inspection Date:	Friday, August 10, 2012
Start Date/Time:	8/10/2012 9:00:00 AM
End Date/Time:	8/10/2012 2:00:00 PM
Last Inspection:	Monday, July 30, 2012

Representatives Present During the Inspection:	
OGM	Priscilla Burton
OGM	James Owen
OGM	Kenneth Hoffman
Company	Jay Marshall

Inspector: Priscilla Burton,
 Weather: Sun turning to rain, 65 degs.
 InspectionID Report Number: 3194

Accepted by: jhelfric
8/13/2012

Permitee: **GENWAL RESOURCES INC**
 Operator: **GENWAL RESOURCES INC**
 Site: **CRANDALL CANYON MINE**
 Address: **PO BOX 910, EAST CARBON UT 84520-0910**
 County: **EMERY**
 Permit Type: **PERMANENT COAL PROGRAM**
 Permit Status: **ACTIVE**

Current Acreages

6,235.80	Total Permitted
27.15	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:

We followed a game trail that links the existing ends of USFS hiking trail 085 and then hiked down to the slide area below pad #6 to confer about treatment options to improve vegetation and monitor stability of the slide area. Kyle Beagley, USFS Minerals Specialist, came with us to look at the proposed game trail link for USFS Trail 085.

Inspector's Signature: 
 Priscilla Burton,
 Inspector ID Number: 37

Date Wednesday, August 15, 2012



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

4.c Hydrologic Balance: Other Sediment Control Measures

While onsite a plan for placement of Excelsior logs was made with the company representative, and a Division soil scientist, hydrologist, and engineer. The plan is to place 20 ft long Excelsior logs across the slide area with 15 ft spacing going up. This plan would result in the placement of approximately 11-15 logs.

10. Slides and Other Damage

The slope failure observed during the inspection can be classified as a circular arc rotational slip. The failure appears to remain partially unrestrained which may lead to additional slope failure along the rupture surface. A combination of saturation along with the weight of winter snow pack is the most likely cause of the initial failure and would be the most likely cause of additional failure. The slope cannot be stabilized through earthwork, bolting, or other physical ground control methods. OGM's recommendation is to attempt to stabilize the slope through sediment control measures and vegetation establishment efforts. If vegetation can be established the slope may stabilize completely. Annual monitoring was requested at various points within the failure as a method of tracking future failures and success of stabilization. Photos will also be required as a part of monitoring. A GPS waypoint was taken at the head of the slide.

13. Revegetation

Planting seedlings below the headcut of the slide would be beneficial to stabilize the soil and help to prevent enlarging the "bowl" beneath the cut. Seed should also be cast on the loose soil after it is "terraced" with excelsior logs.

22. Other

Trail is established across USFS property. Trail needs hand work across SITLA property to East Mountain saddle. We flagged and noted GPS waypoints where the game trail takes off from the reclaimed SITLA road and where it returns to the East Mountain ridgeline. Several game trails skirt the mountain and the one with the least incline will be flagged. Thunder and lightning ran us off the mountain before we had time to flag the best trail between the two waypoints. Game trails provide the quickest and easiest access to the slide area below pad #6, as well.

8/10/2012 12:56:44 pm

1st excelsior log above head cut

3rd trail sign

2nd trail sign

trail sign

approximate location of SITLA/USFS boundary

© 2012 Google
Image USDA Farm Service Agency



Imagery Date: 9/14/2011

1997

39°27'23.11"N 102°27'11.11"W elev 10277 ft

Eye alt 20629 ft



Inspection Report 3194 Attachment
August 10, 2012



Approximate location of trail sign to divert foot traffic from reclaimed slope on SITLA surface.

Slide area.



Excelsior log placed above the cut of the slide.



Stable slope above slide area.



Unstable slope below the failure.



Slope under discussion.



Portion of reclaimed access road in background.