



# 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:	PARTIAL
Inspection Date:	Wednesday, April 17, 2013
Start Date/Time:	4/17/2013 7:30:00 AM
End Date/Time:	4/17/2013 12:30:00 PM
Last Inspection:	Tuesday, March 19, 2013

Representatives Present During the Inspection:	
Company	Jay Marshall
OGM	Karl Houskeeper

Inspector: Karl Houskeeper

Weather: Cloudy, Temp. 35 Deg. F.

InspectionID Report Number: 3454

Accepted by: jhelfric  
4/18/2013

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

6,295.06	<b>Total Permitted</b>
34.47	<b>Total Disturbed</b>
11.89	<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:

Checked in at the main office located at the West Ridge Mine prior to the inspection of the Crandall Mine. J.D Leonard was not present. Jay Marshall was in a meeting, but excused himself and attended the Division on the partial inspection of the Crandall Mine.

Pictures were taken and are attached to the PDF version of this inspection report.

Mine water flow was observed at 445 gpm during the inspection. A picture of the injection rates was taken and is attached.

Inspector's Signature:

Date: Wednesday, April 17, 2013

Karl Houskeeper,  
Inspector ID Number: 49

**Note:** This inspection report is not a contract. It is a record 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 type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Signs and Markers	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6. Disposal of Excess Spoil, Fills, Benches	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Coal Mine Waste, Refuse Piles, Impoundments	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input 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 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"/>

**2. Signs and Markers**

The mine identification sign at the Burma Pond and Main Mine Facility were observed, Checked and found to contain the required information to make them compliant with the Utah R645 Coal Rules.

**4.a Hydrologic Balance: Diversions**

The diversions were found to be functional.

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

Pictures of the Burma Pond and the Sediemnt Pond at the Main Mine were taken.

**5. Explosives**

Powder and Cap magazines have been removed from the mine site.

**8. Noncoal Waste**

Mine site was found to be free of noncoal waste items outside of the approved disposal containment.



Burma Pond



Crandall Creek



Crandall Creek @ Pond Discharge



Sediment Pond



Sediment Pond



High Water Marker



Sediment Marker



Crandall Creek @ Pond Discharge



Sediment Pond



Ditch DD-10



Mine Water Treatment Basin Outlet



Mine Water Treatment Basin (Looking West)



Mine Water Treatment Highwall



Mine Water Treatment Highwall

Iron Treatment Monitoring Screen

The screen displays a control interface for an iron treatment system. It features several control buttons on the left and a grid of data readouts in the center and right. The time is shown as 10:37:45 AM in red text at the top right.

**Control Buttons (Left Side):**

- Reset Souttion Pump (Cyan)
- Start mixer (Green)
- Stop Mixer (Red)
- Mixer Minutes: 3600.0 (Blue)
- START Tank Fill (Green)
- STOP Tank Fill (Red)
- Tanks Level: 54.6 (Blue)

**Data Readouts (Center and Right):**

Parameter	Value
Make Down Unit Level	30.9
Flock Frequency	3600
Coggulant Flow	-0.01
Fresh Water Flow	1.85
Flock Pump Amps	7.77
Blower Fan Amps	-0.00
Make Down Unit Amps	-0.15
Flock Flow	0.10
Coggulant Amps	0.12
Pressure Pump Amps	0.01
Tote Mixer Amps	16.55
Pond Recir Pumps Amps	32.42
Flock Tank Level	

**Navigation Buttons (Right Side):**

- Main
- Inputs
- Time
- Flow