



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:	COMPLETE
Inspection Date:	Wednesday, July 26, 2017
Start Date/Time:	7/26/2017 1:00:00 PM
End Date/Time:	7/26/2017 3:30:00 PM
Last Inspection:	Wednesday, June 28, 2017

Representatives Present During the Inspection:	
OGM	Justin Eatchel
OGM	Steve Christensen
OGM	Daron Haddock
OGM	Arati Umarvadia
OGM	Joe Helfrich
Company	Karin Madsen

Inspector: Justin Eatchel

Weather: 79F Mostly Sunny

InspectionID Report Number: 5937

Accepted by:

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: **INACTIVE**

Current Acreages

1,257.75	Total Permitted
34.23	Total Disturbed
11.89	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 inspection was conducted by several members of the Division immediately following an interagency meeting at the Price Field Office. The meeting was centered around how to proceed with a Reclamation Plan for Crandall Canyon that is most equitable for all affected landowners.

Inspector's Signature:

Justin Eatchel

Justin Eatchel,

Inspector ID Number: 73

Date Wednesday, August 23, 2017



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 checked="" 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 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 type="checkbox"/>	<input type="checkbox"/>
4.d Hydrologic Balance: Water Monitoring	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4.e Hydrologic Balance: Effluent Limitations	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Explosives	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. Disposal of Excess Spoil, Fills, Benches	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Coal Mine Waste, Refuse Piles, Impoundments	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
8. Noncoal Waste	<input checked="" 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
11. Contemporaneous Reclamation	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12. Backfilling And Grading	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13. Revegetation	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14. Subsidence Control	<input checked="" 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
16.b Roads: Drainage Controls	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
17. Other Transportation Facilities	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
18. Support Facilities, Utility Installations	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
19. AVS Check	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
20. Air Quality Permit	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
21. Bonding and Insurance	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
22. Other	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

1. Permits, Change, Transfer, Renewal, Sale

Existing permit expires on May 13, 2018. No new permitting actions are currently pending with the Division.

2. Signs and Markers

Permit identification sign is readily visible on the main road. Topsoil piles are marked. Two of the three sediment pond markers had fallen over and Karin indicated that wet conditions had prevented them from re-surveying and re-establishing them. This will need to be addressed when conditions allow.

3. Topsoil

Topsoil piles stable and vegetative growth has taken hold.

4.a Hydrologic Balance: Diversions

Culverts appeared to be functioning, although a small area to the north of the primary road above the gabion wall appears to impounding a small volume of water.

4.b Hydrologic Balance: Sediment Ponds and Impoundments

Sediment pond and Burma pond appeared stable and functioning properly. The portals were inspected and appeared to be properly sealed, although water had ponded just outby of the seals in all of the entries.

4.d Hydrologic Balance: Water Monitoring

Water continues to discharge from the mine. Samples were taken prior to treatment, and again at the spillway after treatment, and samples sent to Utah State Laboratory for processing. Water appeared clear. Mine water discharge = 360 gpm, Coagulation injection rate = 4.4 ppm, Flocculant injection rate = 1.3 ppm.

7. Coal Mine Waste, Refuse Piles, Impoundments

Treatment pond sludge gets transported to the Burma pond.

9. Protection of Fish, Wildlife and Related Environmental Issues

Posted signs caution against leaving food items at the memorial site to prevent attracting bears.

10. Slides and Other Damage

The gabion wall that had previously failed some time ago has been repaired by Scamp Construction. 12" diameter stabilizing posts were driven approximately 30' into the structure to stabilize it. Small tension cracks in the road above the structure indicate that the gabion wall may still be settling. Additionally, jersey barriers located on the road leading to the sediment pond are tipping towards the creek at roughly a 45 degree angle, and appear unstable.

15. Cessation of Operations

Site has been in cessation since 2007.

16.a Roads: Construction, Maintenance, Surfacing

Main road to the facility is a patchwork quilt of different resurfacing jobs completed in the past. Many spots are very rough and appear to be sloughing along the shoulders.

20. Air Quality Permit

An air quality approval order was issued March 20, 2003 which allows 4,300,000 tons of coal storage per rolling 12 month average.

21. Bonding and Insurance

Current posted reclamation bond is \$2,082,910, and a surety bond of \$720,000 has been posted to address the cost of perpetual water treatment.