



# 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:	Tuesday, February 26, 2019
Start Date/Time:	2/26/2019 1:15:00 PM
End Date/Time:	2/26/2019 3:00:00 PM
Last Inspection:	Tuesday, January 29, 2019

Representatives Present During the Inspection:	
OGM	Justin Eatchel
Company	Karin Madsen

Inspector: Justin Eatchel

Weather: Clear and sunny, 31F

InspectionID Report Number: 6367

Accepted by:

Permittee: **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	<b>Total Permitted</b>
34.23	<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:

Met with Karin Madsen to complete this partial inspection. Water samples were taken from the water treatment facility and delivered to the Utah State Health Laboratory. There was a significant amount of snow present at the mine, but the primary road into the site was clear.

Inspector's Signature:

Justin Eatchel,

Inspector ID Number: 73

*Justin Eatchel*

Date: Wednesday, March 6, 2019



**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 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 type="checkbox"/>	<input type="checkbox"/>
4.b Hydrologic Balance: Sediment Ponds and Impoundments	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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 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 type="checkbox"/>	<input type="checkbox"/>	<input 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 type="checkbox"/>	<input type="checkbox"/>
10. Slides and Other Damage	<input checked="" 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 checked="" 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 checked="" 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 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 checked="" 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"/>

**4.d Hydrologic Balance: Water Monitoring**

The water treatment facility continues to reside in offline status due to frozen pumps and water lines. Permittee is and has been in compliance for a while, which is a large reason why the efforts to restore functionality to the water treatment facility are at an ebb. Permittee also has recently contacted the USFS concerning plans to route mine water directly to Huntington Creek in the Spring, bypassing the treatment facility altogether. The current flow is 229 gpm.

**16.a Roads: Construction, Maintenance, Surfacing**

Despite the abundance of snow, the primary road into the site has been plowed and kept clear of snow and ice.

**16.b Roads: Drainage Controls**

Difficult to assess the condition of drainage ditches and culverts since there is between 2 - 4 feet of snow everywhere.

**ATTACHMENT A – Crandall Canyon Partial Inspection, February 26, 2019**



**PHOTO 1 – WATER TREATMENT FACILITY**  
Overlooking the water treatment pond. Water sampling location Pre-002 is from the end of the white PVC at center.



**PHOTO 2 – WATER TREATMENT FACILITY**  
Another view of Water sampling location Pre-002.



**PHOTO 3 – TREATMENT POND OUTFALL**  
The water flowing through the outlet is sampling point for UPDES discharge #002. That snow is almost waist deep.



**PHOTO 4 – WEEPING HIGHWALL**  
Frozen tears cling to the face of the highwall overlooking the water treatment facility.

**ATTACHMENT A – Crandall Canyon Partial Inspection, February 26, 2019**



**PHOTO 5 – CRANDALL CREEK**

The culvert left of center is the 72" bypass that runs beneath the main mine site.



**PHOTO 6 – SNOW FILLED DD-7**

Drainage ditch 7 parallel to the USFS road. Icicles clinging to the highwall build up from melting snow and ice above.



**PHOTO 7 – SEDIMENT POND**

The sediment pond is currently a frozen winterland.



**PHOTO 8 – USFS ROAD**

Road was in good condition and free of ice and snow.