



**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, January 29, 2019
Start Date/Time:	1/29/2019 11:00:00 AM
End Date/Time:	1/29/2019 2:00:00 PM
Last Inspection:	Tuesday, December 11, 2018

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

Inspector: Justin Eatchel  
 Weather: Mostly sunny, 28F  
 InspectionID Report Number: 6345  
 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		Mineral Ownership	Types of Operations
1,257.75	<b>Total Permitted</b>	<input checked="" type="checkbox"/> Federal	<input checked="" type="checkbox"/> Underground
34.23	<b>Total Disturbed</b>	<input type="checkbox"/> State	<input type="checkbox"/> Surface
11.89	<b>Phase I</b>	<input type="checkbox"/> County	<input type="checkbox"/> Loadout
	<b>Phase II</b>	<input type="checkbox"/> Fee	<input type="checkbox"/> Processing
	<b>Phase III</b>	<input type="checkbox"/> Other	<input type="checkbox"/> Reprocessing

**Report summary and status for pending enforcement actions, permit conditions, Division Orders, and amendments:**

This partial inspection occurred on Tuesday, January 29. Recent snow storms had dropped over two feet of snow at the mine. Many locations around the mine are inaccessible to inspection because of deep snow. Site was stable and the USFS road into the site was plowed and clear.

Inspector's Signature: \_\_\_\_\_

*Justin Eatchel*

Date: Tuesday, February 6, 2019

Justin Eatchel,  
 Inspector ID Number: 73



**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 checked="" 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 checked="" 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 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 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**

Samples were taken where the mine discharges into the treatment facility and again at UPDES outfall #002. Flowrate = 235 gpm. The flocculant and coagulant lines as well as the pumps within the water treatment facility had frozen over. Water samples were delivered to the Utah State Public Health Laboratory to analyze for Iron, Aluminum, Sulphates, and Selenium.

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

The snow had been plowed and the USFS road was in good condition. Snow was too deep to proceed beyond the mine offices.

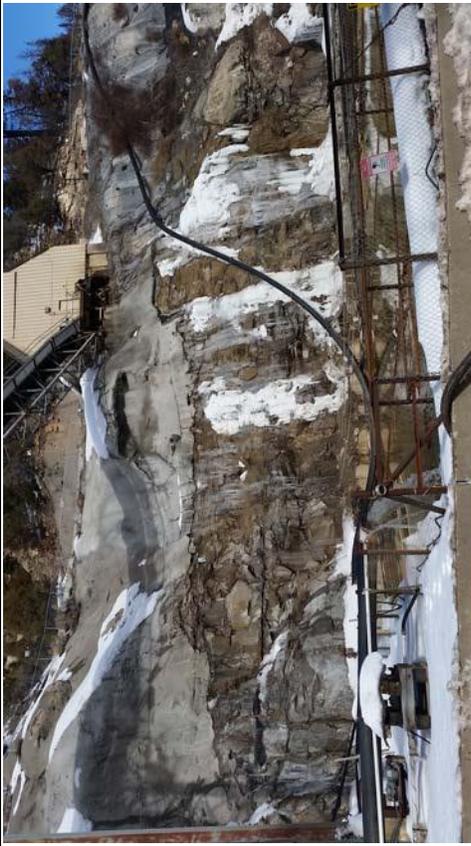
**ATTACHMENT A – Crandall Canyon Partial Inspection, January 29, 2019**



**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 – TREATMENT POND OUTFALL**  
The water flowing through the outlet is sampling point for UPDES discharge #002. That snow is over the knee in depth.



**PHOTO 3 – WEEPING HIGHWALL**  
Frozen tears cling to the face of the highwall overlooking the water treatment facility.



**PHOTO 4 – MINER'S MEMORIAL WALKWAY**  
The snow at this location is mid-thigh and difficult to traverse.

**ATTACHMENT A – Crandall Canyon Partial Inspection, January 29, 2019**



**PHOTO 5 – CRANDALL CREEK**

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



**PHOTO 6 – GABION WALL**

The steel pylons and other support structures appear stable



**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.