



# 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:	<b>C0150032</b>
Inspection Type:	COMPLETE
Inspection Date:	Tuesday, February 25, 2020
Start Date/Time:	2/25/2020 11:00:00 AM
End Date/Time:	2/25/2020 1:30:00 PM
Last Inspection:	Tuesday, January 28, 2020

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

Inspector: Justin Eatchel

Weather: Sunny, clear, cold, 26F

InspectionID Report Number: 6641

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:

The Division met with Karin Madsen on the morning of Tuesday, February 25 for this complete inspection. Most of the site was inaccessible due to a thick blanket of snow that is still plentiful at the site. Water samples were taken at the water treatment facility and delivered to the Utah State Health Laboratory in Taylorsville.

Inspector's Signature:

Justin Eatchel,

Inspector ID Number: 73

Date

Thursday, March 5, 2020



**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 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 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 checked="" type="checkbox"/>	<input type="checkbox"/>
11. Contemporaneous Reclamation	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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 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 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 checked="" type="checkbox"/>	<input 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 type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

## **1. Permits, Change, Transfer, Renewal, Sale**

The existing DOGM permit was renewed on May 13, 2018, and will expire on May 13, 2023. The current UPDES permit was renewed on January 27, 2018, and will expire at midnight, January 31, 2023. The active Stormwater Pollution Prevention Plan (SWPPP) for this site is up to date.

## **2. Signs and Markers**

The permit identification sign at the entrance contains all of the necessary information. Topsoil signs are posted and visible on all topsoil piles, and disturbed area perimeter signs are in place.

### **4.a Hydrologic Balance: Diversions**

Most of the culverts on site were still buried beneath approximately 24" of fresh snow.

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

The current level of the sediment pond was low, frozen over, and buried under snow.

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

Water continues to discharge from the mine. Flowrate during today's inspection = 314gpm. Flocculant and coagulant were not being applied to the mine water at this time because the discharge lines had frozen in recent weeks. Samples were taken at 002 and pre-002 and delivered to the Utah State Health Laboratory in Taylorsville for processing.

## **10. Slides and Other Damage**

The recently rebuilt block wall beside the lower sediment pond appears to be stable and no signs of movement were visible.

## **11. Contemporaneous Reclamation**

The company is currently in the process of revising their reclamation plan.

## **15. Cessation of Operations**

Site has been in temporary cessation since 2007.

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

The roads into the site were covered with approximately 8 - 10 inches of fresh snow from a recent storm. None of the roads were plowed at the time of inspection, and full access was limited.

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**20. Air Quality Permit**

Air quality approval order for permit DAQE - AN0225003-03 was approved and issued on March 20, 2003. It allows for 4,300,000 tons of coal to be stored per rolling 12 month average. This permit has no expiry.

**21. Bonding and Insurance**

Liability insurance is provided through Lloyd's Underwriters at London and is valid until June 1, 2020. A reclamation bond in the amount of \$2,082,910 is currently held through Indemnity National Insurance Co.

**ATTACHMENT A – Crandall Canyon Complete Inspection, February 25, 2020**



**PHOTO 1 – WATER TREATMENT FACILITY**

Overlooking the water treatment pond. Water sampling location Pre-002 is from the end of the white PVC left of center.



**PHOTO 2 – TREATMENT POND OUTFALL**

The water flowing through the trash rack is sampling point for UPDES discharge #002. Snow drifts are over 2' deep here.



**PHOTO 3 – WEEPING HIGHWALL**

The face of the highwall overlooking the water treatment facility. No recent spalling or sloughing is evident.



**PHOTO 4 – SEDIMENT POND**

Buried under at least 2 feet of fresh snow.

**ATTACHMENT A – Crandall Canyon Complete Inspection, February 25, 2020**



**PHOTO 5 – PRIMARY ROAD**

Unplowed roads were covered with approximately 10” of fresh snow.



**PHOTO 6 – PRIMARY ROAD**

Unplowed roads were covered with approximately 10” of fresh snow.



**PHOTO 7 – BURMA POND**

Pond was approximately 30% full.