



# 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 28, 2020    |
| Start Date/Time: | 1/28/2020 11:30:00 AM        |
| End Date/Time:   | 1/28/2020 1:00:00 PM         |
| Last Inspection: | Wednesday, December 11, 2019 |

Inspector: Justin Eatchel

Weather: Slightly overcast, 31F

InspectionID Report Number: 6609

Accepted by:

| Representatives Present During the Inspection: |                |
|------------------------------------------------|----------------|
| OGM                                            | Justin Eatchel |
| OGM                                            | Kendra Hinton  |
| Company                                        | Karin Madsen   |

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 | <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 Odendahl-Madsen on the morning of Tuesday, January 28 for this partial inspection. Most of the site was inaccessible due to a thick blanket of snow that had fallen in previous weeks. Water samples were taken and delivered to the Utah State Health Laboratory in Taylorsville.

Inspector's Signature:

*Justin Eatchel*

Date: Wednesday, January 29, 2020

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 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 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 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 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 type="checkbox"/>            | <input type="checkbox"/>            | <input 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 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 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 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 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.b Hydrologic Balance: Sediment Ponds and Impoundments**

Sediment pond was completely buried under a thick blanket of snow.

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

Water continues to discharge from the mine. Flowrate = 272gpm. 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.

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

Roads leading into the site appeared to be in good repair, and had been plowed recently.

**ATTACHMENT A – Crandall Canyon Partial Inspection, January 28, 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 – ARMORED DRAINAGE DITCH**

Drainage ditch DD-7 and culvert C-3 buried under snow.

**ATTACHMENT A – Crandall Canyon Partial Inspection, January 28, 2020**



**PHOTO 5 – CRANDALL CREEK**  
The outfall of the 72" culvert beneath the main site.



**PHOTO 6 – SEDIMENT POND**  
Buried under snow.



**PHOTO 7 – USFS 0248 REPAIRS**  
Blocks and Gabions appear stable.



**PHOTO 8 – USFS 0248**  
Roads into the site were recently plowed.