



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:	Wednesday, July 29, 2020
Start Date/Time:	7/29/2020 2:30:00 PM
End Date/Time:	7/29/2020 4:00:00 PM
Last Inspection:	Tuesday, June 23, 2020

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

Inspector: Justin Eatchel

Weather: Sunny and clear, 82F

InspectionID Report Number: 6735

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:

The Division met with Karin Madsen on the afternoon of July 29 to conduct a Partial inspection. Overall, the site appeared stable. Water continues to flow from the sealed portals, and samples were taken from the inlet to the water treatment pond and again at the UPDES #002 outfall.

Inspector's Signature:

Justin Eatchel,
Inspector ID Number: 73

Justin Eatchel

Date: Monday, August 3, 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 type="checkbox"/>	<input type="checkbox"/>	<input 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 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 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 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 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 type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13. Revegetation	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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"/>

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 as mandated by State of Utah regulation R645-301-521.200 through -521.250.

4.a Hydrologic Balance: Diversions

Most diversions on site appear to be in good condition and are free of debris although the C-6 culvert behind the main office is beginning to accumulate silt and other debris at the inlet. A recent rainstorm has contributed to the buildup of debris. Scamp Construction is scheduled to do maintenance work on site in August, and clearing this debris is one of the items they will be tasked with. Culverts that run beneath FR 0248 appear clear and unobstructed.

4.b Hydrologic Balance: Sediment Ponds and Impoundments

No appearance of instability or other structural weakness were observed at the time of this inspection. The pond is currently impounding a small amount of murky water which was made murkier by the recent rains. The sediment markers are standing and in good condition and sediment levels are several inches beneath the 60% cleanout elevation of 7769.0'. The pond is currently not discharging and appears as though it has not discharged in quite some time.

4.d Hydrologic Balance: Water Monitoring

Water continues to discharge from the mine. Flowrate at the time of inspection = 316gpm. Flocculant and coagulant are not being applied to the mine water at this time. Samples were taken at UPDES #002 and pre-002 and delivered to the Utah State Health Laboratory in Taylorsville for processing. Samples were delivered on Thursday, July 30, the day following this inspection.

10. Slides and Other Damage

The rebuilt block wall beside the lower sediment pond appears to be stable and no signs of movement were visible. Gabion baskets appeared stable and in good operating condition.

11. Contemporaneous Reclamation

The Division is currently reviewing Division Order DO19B (Task# 6142) which proposes to update to the reclamation procedures within the Mining and Reclamation plan.

13. Revegetation

The slopes between the main office and culvert C-6 were treated with seed several months ago in March and some grasses and forbes are exhibiting varying degrees of growth along this slope. There is a small section in the middle of the slope that is still mostly barren where it appears the seed did not take well. This area was disturbed with heavy equipment last year when culvert C-6 was cleaned and an earthen berm built to divert burn scar debris flows away from the culvert inlet.

16.a Roads: Construction, Maintenance, Surfacing

Forest road FR 0248 that leads into the site appeared to be in good operating condition. There did not appear to be any cracks or other signs of instability in the vicinity of the slide that occurred in April, 2019.

ATTACHMENT A – Crandall Canyon Partial Inspection, July 29, 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.



PHOTO 3 –HIGHWALL

The face of the highwall overlooking the water treatment facility. No recent spalling or sloughing is evident. There appeared to be less seepage than usual.



PHOTO 4 – ARMORED DRAINAGE DITCH

Drainage ditch DD-7 and culvert C-3.

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



PHOTO 6 – LOWER SEDIMENT POND
Silty on the left, green organic debris on the right.



PHOTO 7 – USFS 0248 REINFORCED SECTION
Blocks and Gabions appear stable.



PHOTO 8 – USFS 0248 REINFORCED SECTION
Close-up picture of photo 7. The blocks and Gabions appear stable.

ATTACHMENT A – Crandall Canyon Partial Inspection, July 29, 2020



PHOTO 9 – USFS 0248
No sloughing or cracking apparent.



PHOTO 10 – CULVERT C-6
Silt starting to collect at the mouth of the culvert.



PHOTO 11 – SEDIMENT MARKER
This is the sediment marker on the south end of the sediment pond. The welded bolt 1/3 up from the water level = the 60% cleanout level.



PHOTO 12 – PERMIT SIGN
Located at the entrance to the permit area.