



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, August 14, 2019
Start Date/Time:	8/14/2019 10:00:00 AM
End Date/Time:	8/14/2019 12:30:00 PM
Last Inspection:	Monday, July 15, 2019

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

Inspector: Justin Eatchel

Weather: Sunny and clear, 83F

InspectionID Report Number: 6504

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	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 for this partial inspection. Water samples were taken from the water treatment pond and delivered to the Utah Health Laboratory.

Inspector's Signature:

Justin Eatchel,
Inspector ID Number: 10

Date Thursday, August 22, 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 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 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 checked="" 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 type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15. Cessation of Operations	<input checked="" 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 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"/>

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

The earthen dike that was previously redirecting all runoff past the entrance to culvert C-6 was recently removed and the drainage recontoured to direct all runoff into the culvert. The overflow trench still resides adjacent to the culvert to capture excess runoff in the event that the culvert should become plugged.

Drainage ditch DD-7 was paved last month and it appears to be redirecting runoff into the sediment pond as designed.

4.b Hydrologic Balance: Sediment Ponds and Impoundments

Sediment pond appears approximately 1/3 full.

4.d Hydrologic Balance: Water Monitoring

Mine water discharge was 383 gpm, and coagulant and flocculant are not being applied to the mine water at this time. There was a marked improvement in water quality over last month, and almost no coagulated iron could be seen floating freely in the pond.

8. Noncoal Waste

Over the course of the last month SCAMP has been engaged in cleaning out the iron sludge in the water treatment pond. The sludge was disposed of in the Burma pond.

10. Slides and Other Damage

The reinforced Gabion wall adjacent to the sediment pond appears stable with no signs of cracking, sloughing, or other movement.

The mud that had been deposited in the Forest Service trailhead parking lot by last month's mudslide had been cleaned up and disposed of.

11. Contemporaneous Reclamation

The Division is currently reviewing Genwal's updated Final Reclamation Plan (DO 19B, Task #5968).

16.b Roads: Drainage Controls

Drainage ditch DD-7 is currently redirecting approximately 1 - 2 gpm of water from the north slopes through culvert C-3 and into the sediment pond. The concrete lined ditch appears to be performing well.

ATTACHMENT A – Crandall Canyon Partial Inspection, August 14, 2019



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 outlet is sampling point for UPDES discharge #002.



PHOTO 3 – WEEPING HIGHWALL
The face of the highwall overlooking the water treatment facility. No recent spalling or sloughing is evident.

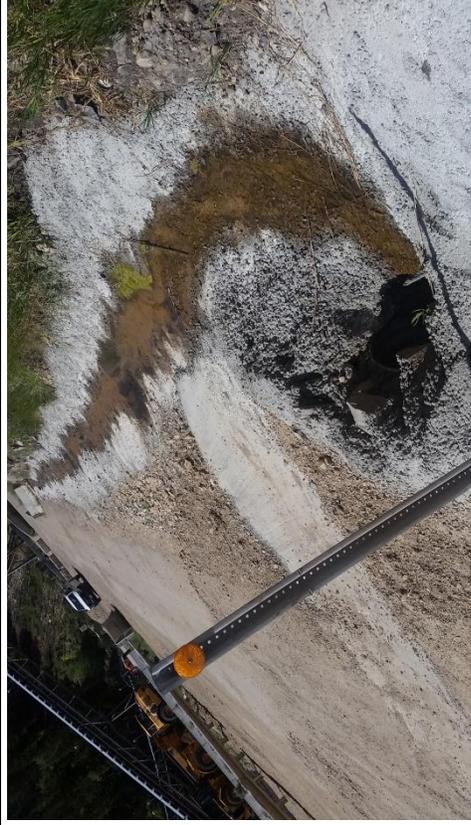


PHOTO 4 – ARMORED DRAINAGE DITCH
This is drainage ditch DD-7 – it appears to be draining into culvert C-3 as planned.

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PHOTO 5 – ARMORED DRAINAGE DITCH

This is drainage ditch DD-7 – Fairly steady flow ~ approx. 1 gpm coming off the north sideslopes.



PHOTO 6 – SEDIMENT POND

Perhaps 1/4 full and a little mossy.



PHOTO 7 – USFS 0248 REPAIRS

This is the completed section of repairs.



PHOTO 8 – USFS 0248 REPAIRS

A side view of the wall.

ATTACHMENT A – Crandall Canyon Partial Inspection, August 14, 2019



PHOTO 9 – CULVERT C-6

The drainage around the culvert has been contoured so that runoff flows into the culvert (blue arrow), and overflow follows the green arrow into bypass trench in case the culvert becomes plugged.



PHOTO 10 – SEALED NORTH PORTAL

.These pipes drain the mine water behind the cinderblock seals.



PHOTO 11 – PERMIT SIGN



PHOTO 12 – TOPSOIL SIGNAGE

All topsoil piles were posted.