



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 30, 2018
Start Date/Time:	1/30/2018 10:30:00 AM
End Date/Time:	1/30/2018 12:00:00 PM
Last Inspection:	Tuesday, December 19, 2017

Representatives Present During the Inspection:	
OGM	Justin Eatchel
OGM	Joe Helfrich
OGM	Todd Miller
Company	Karin Madsen

Inspector: Justin Eatchel

Weather: Clear and sunny, 40F

InspectionID Report Number: 6067

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:

Met with Karin Madsen at the mine site for this partial inspection. Joe Helfrich and Todd Miller were also in attendance. A layer of snow approximately 4 - 5 inches thick has blanketed the site.

Inspector's Signature:

Justin Eatchel,
Inspector ID Number: 73

Date Monday, February 13, 2018



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 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 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 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 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 type="checkbox"/>	<input type="checkbox"/>	<input 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 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.a Hydrologic Balance: Diversions

Culverts and ditches appeared stable.

4.b Hydrologic Balance: Sediment Ponds and Impoundments

The sediment pond was covered over with ice and snow. The Burma pond was impounding a moderate amount of water since cell #2 is currently being cleaned out.

4.d Hydrologic Balance: Water Monitoring

Water continues to discharge from the mine. Iron sludge is being cleaned out of cell #2. The sludge is dropped off at the Burma pond where the iron precipitate will settle out. Water samples were taken prior to treatment, and again at the outfall post treatment. Mine water discharge = 273gpm, Coagulation injection rate = 19.9ppm, and Flocculant injection rate = 7.66ppm.

ATTACHMENT A – Photos January 30, 2018 partial inspection



PHOTO 1 – WATER TREATMENT POND

This is cell #1 – Iron sludge is being cleaned out today from adjacent cell #2. The vacuum truck just barely exited the site with a load of sludge, bound for the Burma pond.
January 30, 2018



PHOTO 3 – TREATMENT POND

Another shot of the treatment pond and the highwall in the background.
January 30, 2018



PHOTO 2 – TREATMENT POND OUTFALL

This is where sample 002 is taken. The highwall in the background was sloughing chunks of ice and snow that would pile up at the base of the wall. Water appears clear.
January 30, 2018



PHOTO 4 – HIGHWALL AND COUNTY ROAD

Seepage from this highwall has slowed down significantly compared to last month.
January 30, 2018

ATTACHMENT A – Photos January 30, 2018 partial inspection



PHOTO 5 – COUNTY ROAD
This is the repaired section of county road above the gabion wall. It currently appears stable.
January 30, 2018



PHOTO 6 – GABION WALL SUPPORT STRUCTURES
Support structures reinforcing County road. Snow covered sediment pond on the left.
January 30, 2018

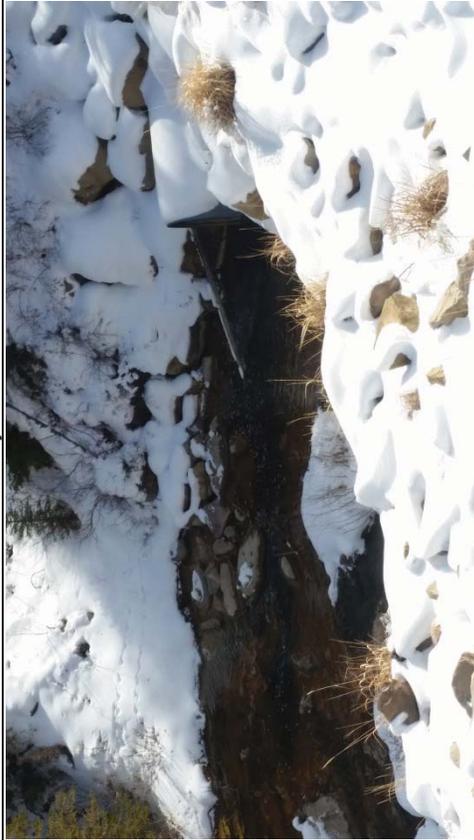


PHOTO 7 – CRANDALL CREEK
This is where Crandall Creek exits the 72” culvert running underneath the length of the site.
January 30, 2018

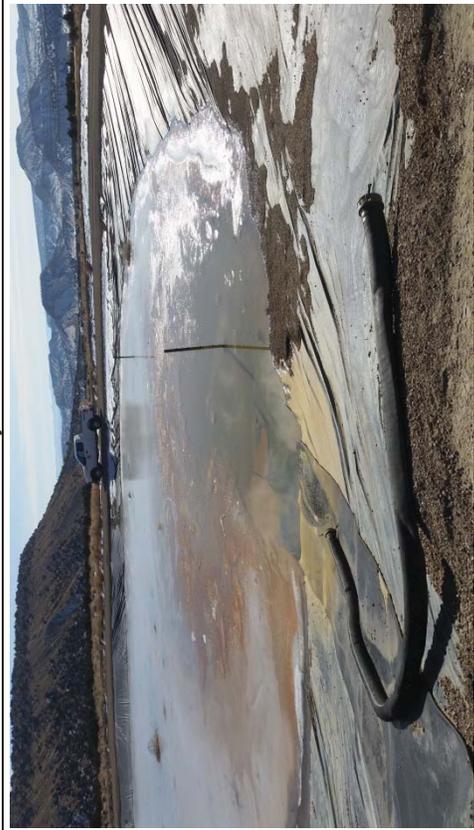


PHOTO 8 – BURMA POND
Most of this water came from the recent cleanup of cell #2.
January 30, 2018

