State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

GARY R. HERBERT
Governor

GREG BELL
Lieutenant Governor

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

Inspection Report

Permit Number:	**C0150032**
Inspection Type:	PARTIAL
Inspection Date:	Wednesday, April 25, 2018
Start Date/Time:	4/25/2018 10:15:00 AM
End Date/Time:	4/25/2018 11:30:00 AM
Last Inspection:	Wednesday, March 28, 2018

Inspector: Justin Eatchel,

Weather: Sunny and clear, warm. 65F

InspectionID Report Number: 6136

Accepted by:

Representatives Present During the Inspection:	
OGM	Justin Eatchel
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	**Total Permitted**
34.23	**Total Disturbed**
11.89	**Phase I**
	Phase II
	Phase III

Mineral Ownership

- [x] Federal
- [ ] State
- [ ] County
- [ ] Fee
- [ ] Other

Types of Operations

- [x] Underground
- [ ] Surface
- [ ] Loadout
- [ ] Processing
- [ ] Reprocessing

Report summary and status for pending enforcement actions, permit conditions, Division Orders, and amendments:

This partial inspection was completed on Wednesday, April 25. At the time of this inspection, somebody had accidently ignited a "warming fire" over a mile up the canyon and over the ridge from the Crandall Canyon facilities, and fire crews were stationed on the lower end of the paved Forest Service road. A helicopter was busily ferrying crews from the paved road to the vicinity of the fire in addition to dropping water on the active flames. By the time this inspection had completed, fire crews had almost fully contained the fire, which burned slightly more than 110 acres.

Inspector's Signature: Justin Eatchel

Justin Eatchel,
Inspector ID Number: 73

Date Monday, May 7, 2018

Note: This inspection report does not constitute an affidavit of compliance with the regulatory program of the Division of Oil, Gas and Mining.

1594 W North Temple, Suite 1210, PO Box 145801, Salt Lake City, UT 84114-5801
telephone (801) 538-5340 • facsimile (801) 359-3940 • TTY (801) 538-7458 • www.ogm.utah.gov

UTAH DNR OIL, GAS & MINING

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 performace 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	☐	☐	☐	☐
2. Signs and Markers	☑	☐	☑	☐
3. Topsoil	☑	☐	☑	☐
4.a Hydrologic Balance: Diversions	☑	☐	☐	☐
4.b Hydrologic Balance: Sediment Ponds and Impoundments	☑	☐	☑	☐
4.c Hydrologic Balance: Other Sediment Control Measures	☐	☐	☐	☐
4.d Hydrologic Balance: Water Monitoring	☑	☐	☑	☐
4.e Hydrologic Balance: Effluent Limitations	☐	☐	☐	☐
5. Explosives	☐	☑	☐	☐
6. Disposal of Excess Spoil, Fills, Benches	☐	☑	☐	☐
7. Coal Mine Waste, Refuse Piles, Impoundments	☐	☐	☐	☐
8. Noncoal Waste	☐	☐	☐	☐
9. Protection of Fish, Wildlife and Related Environmental Issues	☐	☐	☐	☐
10. Slides and Other Damage	☐	☐	☐	☐
11. Contemporaneous Reclamation	☐	☐	☐	☐
12. Backfilling And Grading	☐	☐	☐	☐
13. Revegetation	☑	☐	☐	☐
14. Subsidence Control	☐	☑	☐	☐
15. Cessation of Operations	☐	☐	☐	☐
16.a Roads: Construction, Maintenance, Surfacing	☑	☐	☑	☐
16.b Roads: Drainage Controls	☑	☐	☐	☐
17. Other Transportation Facilities	☐	☐	☐	☐
18. Support Facilities, Utility Installations	☐	☐	☐	☐
19. AVS check	☐	☐	☐	☐
20. Air Quality Permit	☐	☐	☐	☐
21. Bonding and Insurance	☐	☐	☐	☐
22. Other	☐	☐	☐	☐

2. Signs and Markers

All topsoil, permit notification, and buffer zone signs were in place.

3. Topsoil

Topsoil piles were fully vegetated, and mature vegetation in place over much of the topsoil piles.

4.b Hydrologic Balance: Sediment Ponds and Impoundments

The sediment pond is beginning to fill up with snow melt. Some of the sediment markers have fallen over, but will be repaired as soon as practicable.

4.d Hydrologic Balance: Water Monitoring

Water continues to discharge from the mine, and flow has slowed since last month. Flowrate = 210 gpm, Flocculent = 2.05 ppm, and Coagulant = 26.0 ppm

16.a Roads: Construction, Maintenance, Surfacing

Certain sections of the paved forest service road leading into the permit area are in disrepair. There are plans to repair those sections this summer.

ATTACHMENT A – Photos April 25, 2018 Partial Inspection

PHOTO 1 – ACCESS TEMPORARILY RESTRICTED
This sign was erected by fire crews fighting a small fire over a mile up canyon from the facilities site.

April 25, 2018

PHOTO 2 – THE FINE PRINT

April 25, 2018

PHOTO 3 – TREATMENT FACILITY + HIGHWALL

April 25, 2018

PHOTO 4 – CLOSEUP OF TREATMENT FACILITY
Note the helicopter in the background.
April 25, 2018

ATTACHMENT A – Photos April 25, 2018 Partial Inspection

PHOTO 5 – TREATMENT FACILITY OUTFALL

April 25, 2018

PHOTO 6 – PAVED USFS ROAD

This section of road is just above the sediment pond.

April 25, 2018

PHOTO 7 – REINFORCED USFS ROAD

This section of road is adjacent to the sediment pond. It currently appears stable.

April 25, 2018

PHOTO 8 – CRANDALL CREEK

This 72” culvert appeared unobstructed and functioning well.

April 25, 2018

ATTACHMENT A – Photos April 25, 2018 Partial Inspection

PHOTO 9 – SEDIMENT POND
Sediment markers need to be reset.
April 25, 2018

PHOTO 10 – GROUNDED HELI
Helicopter taking a brief break from ferrying crews and water from the "pumpkin" shown above.
April 25, 2018

PHOTO 11 – FIRE CREW BASE STATION
A crew of about a dozen firefighters took off from this station on the lower USFS road leading into the mine.
April 25, 2018

PHOTO 12

April 25, 2018