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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:	C0070039
Inspection Type:	PARTIAL
Inspection Date:	Thursday, October 3, 2019
Start Date/Time:	10/3/2019 8:00:00 AM
End Date/Time:	10/3/2019 2:30:00 PM
Last Inspection:	Thursday, September 19, 2019

Representatives Present During the Inspection:	
OGM	Amanda Daniels
Company	Vicky Miller

Inspector: Amanda Daniels

Weather: Clear, 45F

InspectionID Report Number: 6538

Accepted by: SCHRISTE
10/16/2019

Permitee: **CANYON FUEL COMPANY**
Operator: **CANYON FUEL COMPANY**
Site: **DUGOUT CANYON MINE**
Address: **PO BOX 1029, WELLINGTON UT 84542**
County: **CARBON**
Permit Type: **PERMANENT COAL PROGRAM**
Permit Status: **ACTIVE**

Current Acreages

9,568.00	Total Permitted
106.88	Total Disturbed
37.00	Phase I
19.00	Phase II
1.82	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:

On October 3, 2019 the Division of Oil, Gas and Mining staff (the Division) conducted a field inspection of the gob gas vent hole sites (the sites) at the Dugout Canyon Mine. The purpose of the field inspection was to document the condition of the sites, associated access roads, and to inspect reclamation work. Overall the condition of the inspected sites (both reclaimed and un-reclaimed) was very good. No evidence of off-site impacts were observed during the inspection from the sites that were accessible.

The degas pads have been reclaimed with the exception of G-11. Site G-11 is still being utilized as a staging area to facilitate reclamation work on the AMV road. It does not appear the additional reclamation work has taken place in 2019. The existing roads have not been maintained as much as they have in previous years making access difficult to some areas and inaccessible by vehicle to others.

Generally, fence maintenance is falling behind at most of the pad site. This Permittee was informed of this during the time of the inspection.

Inspector's Signature: _____

Date: Tuesday, October 15, 2019

Amanda Daniels,

Inspector ID Number: 70

Note: This inspection report does not constitute an affidavit of compliance with the regulatory program of the Division of Oil, Gas and Mining. telephone (801) 538-5340 • facsimile (801) 359-3940 • TTY (801) 538-7458 • www.ogm.utah.gov



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 type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.c Hydrologic Balance: Other Sediment Control Measures	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4.d Hydrologic Balance: Water Monitoring	<input type="checkbox"/>	<input type="checkbox"/>	<input 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 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 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 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.c Hydrologic Balance: Other Sediment Control Measures

G-12: This site was reclaimed in 2011. A small bolder retaining wall was constructed on the portion of the highwall area. There also is a small rip-rapped diversion channel to divert runoff around the pad. The site appeared stable. There were cattle on the pad during the time of the inspection. The fence surrounding the pad needs maintenance to prevent cattle access to the pad. Despite the cattle grazing, the site was well vegetated. This site has received Phases I and II bond release.

G-11: This site has not yet been reclaimed. It is located at the base of the AMV road and has been utilized as a staging area in the past for reclamation and maintenance activities. This site appeared stable.

G-31: This site was reclaimed in 2013. The pad was not visited during the inspection due to the lower portion of the un-reclaimed AMV road being impassible by vehicle. It was observed from pad 30. There were not any obvious problems with the site that could be observed from a distance. This site has received Phases I and II bond release.

G-18: This site was reclaimed in 2012. The pad was not visited during the inspection due to the lower portion of the un-reclaimed AMV road being impassible by vehicle. It was observed from pads G-30 and G-7 and there were not any obvious problems with the site that could be observed from a distance. This site has received Phases I and II bond release.

G-19: This site is accessed by the lower portion of the un-reclaimed AMV road. Due to the lack of maintenance, the road was impassible by vehicle during this visit. The site was reclaimed in 2010 and has received Phase I bond release.

G-9 and G-10: These sites are accessed by a steep existing dirt road. This road has not been maintained recently and was impassible with a vehicle. These sites were not inspected during this visit.

G-25: This site was reclaimed in 2013. The reclaimed pad appeared stable and well vegetated with grasses. Sage has moved in but appears less mature than some of the other reclaimed pads. The site does not appear to have been grazed. G-25 has received Phase I bond release.

G-26: This site was reclaimed in 2013. The site appears stable with strong vegetation. The fence surrounding this site appeared to need some maintenance. G-26 has received Phase I bond release.

G-30: This site was reclaimed in 2013. There is a short access road leading to the pad that has also been reclaimed. The G-30 pad is one of the larger pads, and appears to be in good shape. The pad and reclaimed access road appeared stable and well vegetated. This site has received Phase I bond release.

G-14: This site was not visited during this inspection. The pre-existing road leading to this site has not been recently maintained and is not currently accessible by vehicle. An ATV would be required to access the site. This site was reclaimed in 2010 and has received Phases I and II bond release.

G-15: This site was reclaimed in 2015. This pad was never drilled. This pad is located adjacent to an existing road. At the request of the landowner, a rock retaining wall and rock channels have been constructed. There was no evidence of instability during the inspection. This site has not received Phase I bond release.

G-13: This site was reclaimed in 2009. The site is bisected by an existing road. Both sides of the site appear stable, well vegetated, and in good condition. This site has received Phases I and II bond release.

G-16: The pad of G-16 was reclaimed in 2013, and the access road to the pad was reclaimed in 2014. The reclaimed road appeared stable with no evidence of erosion, and was well vegetated. The reclaimed degas pad was stable as well. There was some evidence of grazing on the pad. The fence of this pad did need maintenance work. This site has received Phases I and II bond release.

G-22: The access road between G-16 and G-22 has been reclaimed and appeared to be in the same condition as the access road to G-16. The G-22 reclaimed pad was well vegetated and appeared similar to the reclamation of G-16. The access road and pad site were stable with no evidence of erosion. G-22 was reclaimed in 2013 and has received Phase I bond release.

G-17: The site was reclaimed in 2014-2015. The reclaimed pad appeared stable and in good condition, there did not appear to be a problem with weeds. This site has not yet received Phase I bond release.

G-7: This site was reclaimed in 2009. The reclaimed area appears to be in the same condition as the undisturbed land around it, with a good deal of mature sage and grasses. The site appeared stable. This site has received Phases I and II bond release.

G-2: This site was reclaimed in 2009. The reclaimed area was stable and was well vegetated with a large amount of sage. Thistle was not observed. This site has received Phases I and II bond release.

G-5: This site was reclaimed in 2009. The reclaimed area was in good condition, appeared stable, and was very well vegetated. This site has received Phases I and II bond release.

G-6: This site was reclaimed in 2007. The reclaimed pad appears stable and was vegetated with grasses and some sage. It appears that Elk or other wildlife have grazed this site. This site has received Phases I and II bond release.

AMV road: The AMV road was not visited during this inspection. The upper portions (between pad G-31 and G-18 as well as from pad G-31 down to topsoil pile STP-6) have been reclaimed but not the lower. This lower portion needs maintenance work to allow vehicle access to the reclaimed portions. From the bottom of the AMV road it is evident that work needs to be done. The Permittee stated that maintenance on the lower portion of the road has been scheduled. The Division has requested to be informed when this work is complete.

13. Revegetation

Overall, reclaimed sites were well vegetated. Thistle did not appear to be a problem at the visited sites. See comments in section 4.c for more details.

16.a Roads: Construction, Maintenance, Surfacing

Road maintenance is needed for the un-reclaimed portion of the AMV road.































