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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:	C0250005
Inspection Type:	COMPLETE
Inspection Date:	Tuesday, September 22, 2015
Start Date/Time:	9/22/2015 9:00:00 AM
End Date/Time:	9/22/2015 4:00:00 PM
Last Inspection:	Thursday, August 27, 2015

Representatives Present During the Inspection:

OGM	Priscilla Burton
Company	Joe Kumpke

Inspector: Priscilla Burton,

Weather: overcast 75F

InspectionID Report Number: 5304

Accepted by: DHADDOCK
9/29/2015

Permittee: **ALTON COAL DEVELOPMENT LLC**

Operator: **ALTON COAL DEVELOPMENT LLC**

Site: **COAL HOLLOW**

Address: **463 North 100 West, Suite 1, CEDAR CITY UT 84720**

County: **KANE**

Permit Type: **PERMANENT COAL PROGRAM**

Permit Status: **ACTIVE**

Current Acreages

721.00	Total Permitted
342.00	Total Disturbed
	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:

During the inspection, mining activity included removal of spoil from the Excess Spoil pile for backfilling HWT2, removal of subsoil from Subsoil pile #2 for placement on Pit 20; and placement of gravel along the reclaimed Dames and county road surfaces within the permit area. Storm events last week had filled all ponds which either had or were being decanted. Citation 21157 for failure to protect topsoil and citation 21158 for failure to maintain ditches UD2 and DD4 were issued during the inspection.

Inspector's Signature: **Priscilla Burton**

Priscilla Burton,

Inspector ID Number: 37

Digitally signed by Priscilla Burton
DN: cn=Priscilla Burton, o, ou,
email=priscillaburton@utah.gov, c=US
Date: 2015.09.29 17:15:29 -06'00'

Date Wednesday, September 23, 2015

Note: This inspection report does not constitute an official statement of compliance with the regulatory program of the Division of Oil, Gas and Mining.
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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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. Signs and Markers	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Topsoil	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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 checked="" 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5. Explosives	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. Disposal of Excess Spoil, Fills, Benches	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7. Coal Mine Waste, Refuse Piles, Impoundments	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
10. Slides and Other Damage	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11. Contemporaneous Reclamation	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12. Backfilling And Grading	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15. Cessation of Operations	<input type="checkbox"/>	<input checked="" 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 checked="" type="checkbox"/>	<input type="checkbox"/>
17. Other Transportation Facilities	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
18. Support Facilities, Utility Installations	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
19. AVS Check	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
20. Air Quality Permit	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
21. Bonding and Insurance	<input checked="" 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"/>

1. Permits, Change, Transfer, Renewal, Sale

There are no amendments to the permit currently under review by the Division. There are two bond release applications being reviewed: Task 4980 (13.065 acres) and Task 4967 (100.342 acres). There are two outstanding reports due from ACD: the Lower Robinson Creek certified as-built report and the report analyzing total volume of flow discharging from the alluvial aquifer into HWT 2.

3. Topsoil

Twenty head of cattle were grazing on topsoil pile #2. This topsoil pile is well vegetated, except at the west end. Since this topsoil will be a longterm pile to be used for Pit 10 reclamation, the west end should be reseeded each fall until adequate vegetation is established.

Topsoil was replaced along the length of DD4, except at the transition zone. Topsoil has not been replaced along the north side of Pond 4 where grading work was recently done. Subsoil was being removed from the subsoil pile #2 and placed on the west side of pit 20.

Subsoil is stockpiled in a pile at the toe of the excess spoils pile. Subsoil is also windrowed along the south side of the excess spoils pile.

Topsoil was removed from the Excess Spoil pile and stockpiled in a large pile on top of the excess spoils pile and also windrowed on the south and west sides of the pile. On the west side, the windrowed topsoil was eroded by water. NOV 21157 was issued for failure to protect the topsoil.

4.a Hydrologic Balance: Diversions

Brush and debris need to be cleared from the culvert along the north side of the topsoil access road.

A berm creating UD2 and separating shop activity from Lower Robinson Creek had been breeched. A small pipe had been installed to drain a cleaning station that was installed between two portable buildings (Conex containers). NOV 21158 was issued for failure to maintain diversions and failure to prevent additional contributions of suspended solids to the stream channel. Ditch DD4 needs cleaning up and dressing up at the location above the transition zone of Lower Robinson Creek. This site has been a maintenance item in previous inspections, when it was noted that the area needed to dry out. The area was dry as can be expected and ditch DD4 was included in the above violation.

4.b Hydrologic Balance: Sediment Ponds and Impoundments

A rainstorm last week filled ponds 1, 1B and 3 to discharging. Discharge was sampled on Sunday 9/20/2015. Measures were being taken to pump down those ponds. Pond 1 has sediment clogging the outlet again. The inlet was cleaned out last quarter as stated in the June 24, 2015 pond inspection. Plans to change the location of the inlet to this pond are still not adequate and have been returned to the Permittee. Pond 3 was discharging from the stand pipe at approximately 0.25 cfs during the inspection. Pond 2 was discharging a trickle due to a leak in the culvert. Pond 1 was discharging about 1 gpm during the inspection possibly due to a leak in the culvert. Ponds 4 and 1B were not discharging during the inspection. The MRP describes the allowable pond discharge after a storm event on p. 7-78.

4.c Hydrologic Balance: Other Sediment Control Measures

Excelsior logs need to be maintained along the stream buffer zone in the vicinity of Pond 1B and Pond 3 dam outslope.

Sediment catch basins and drainage channels have been necessary along the primary road in Pit 10. If these sediment controls for these miscellaneous flows are to remain permanently, they must be described in the MRP and shown on a map in accordance with R645-301-742.330 and R645-301-742.411. A modification to the MRP narrative and to the underground facilities map is required.

4.d Hydrologic Balance: Water Monitoring

Six streams of water were visible falling from the alluvium into HWT 2 from the alluvium.

4.e Hydrologic Balance: Effluent Limitations

Ponds did not discharge in the second quarter. Discharge reports for the third quarter were not available at the mine site for UPDES permit UTG04027.

6. Disposal of Excess Spoil, Fills, Benches

Excess spoil is being reduced at the mine site. At the time of the inspection, the operating pad was approximately 30 feet above final elevation. There is about one-third of the spoils pile remaining in place.

The Second quarter inspection of the pile reported that the active bench elevation was 6918 ft. The total volume in the pile on 6/24/2015 was approximately 2,845,000 CY based upon the difference between the total storage and the remaining storage reported on the certified inspection report.

7. Coal Mine Waste, Refuse Piles, Impoundments

Six streams are still flowing into HWT 2 creating an impoundment.

9. Protection of Fish, Wildlife and Related Environmental Issues

Approximately 30 - 40 head of cattle were seen within the permit area. The cattle are entering the permit area because the south and west gate are open and the fencing along the county road is down due to the gravel operation. The gates will be closed and the county road secured when this gravel operation is completed. Livestock must be removed to allow reclaimed areas to become established.

12. Backfilling And Grading

Spoil was being end dumped into Pit 20. Subsoil was being moved from Excess Spoil pile #2 to pit 20. Approximately one third of the subsoil pile #2 had been removed from the pile.

Topsoil placement along the north side of Pond 4 is not completed yet.

13. Revegetation

Topsoiled areas around Lower Robinson Creek and Pit 21 are scheduled for mulch and seed this fall.

16.a Roads: Construction, Maintenance, Surfacing

Gravel is being laid down on thre reclaimed County road 136 and on the the reclaimed Dame's access road. The Dame's access is in a new configuration as shown on Dwg 5-38. Dames' road has been raised above the surrounding surface and has a culvert installed at a low spot. According to Kirk Nichols, this new configuration is at the request of Mr. Dames.

16.b Roads: Drainage Controls

Borrow ditches have been established on the reclaimed county road in the south end of the permit area.













Grazed topsoil pile 2 west end



Topsoil pile 2 west end.



NOV 21158 Boot wash station discharge enters UD2.



Excelsior logs along stream buffer zone require maintenance.



DD4 and topsoil respread along Lower Robinson channel. Needs mulch and seed.



NOV 21158. DD4 discontinuous at the transition zone.



NOV 21158. Erosion of south bank where DD4 is discontinuous.



NOV 21157. Topsoil stockpile erosion west side Excess spoil pile.



NOV 21158. DD4 berm failure.



NOV 21157. Topsoil west side Excess Spoil



Pond 3 discharge.



Pit 10 sump