



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:	TECHNICAL
Inspection Date:	Tuesday, October 28, 2014
Start Date/Time:	10/28/2014 8:00:00 AM
End Date/Time:	10/28/2014 2:00:00 PM
Last Inspection:	Thursday, October 16, 2014

Inspector: Priscilla Burton,

Weather: sun 60F

InspectionID Report Number: 4006

Accepted by: DHADDOCK
11/4/2014

Representatives Present During the Inspection:	
OGM	Cheryl Parker
Company	Kirk Nicholes
OGM	Keenan Storrar
OGM	Priscilla Burton

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
329.00	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:

We first focused our attention on sediment control adjacent to the Robinson Creek re-alignment. Then we discussed the approved Dwg 5-21 construction plans for the ongoing Robinson Creek reconstruction project. We observed the temporary repair of the Pond #3 spillway. We checked the repair of the gully on the west side of the reclaimed excess spoil pile. We looked at drainage ditch #1 along its length and the water replacement well.

Pit 10 is being expanded to the south over Pit 9 panel 3 (Dwg 5-10A) in order to recover the lost cutter head. At the time of the inspection, alluvium was being removed from the surface of Pit 11 to create the high wall for the expanded Pit 10 (Dwg 5-10). Alluvium had recently been blasted in Pit 21. Coal was being hauled from the Pit 21 High Wall Trench 3 development.

Inspector's Signature:

Priscilla Burton,

Inspector ID Number: 37

Digitally signed by Priscilla Burton
 DN: cn=Priscilla Burton, o, ou,
 email=priscillaburton@utah.gov, c=US
 Date: 2014.11.13 18:18:53 -07'00'

Date Thursday, October 23, 2014



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 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 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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 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"/>

3. Topsoil

Topsoil removed from the surface of Pit 11 has been piled on the NE corner of former pit 5, east of the ongoing reconstruction of Robinson Creek. A small area has been spread out.

Just east of the re-aligned Robinson Creek, topsoil will be applied to the exposed subsoil and the surface will be seeded and mulched per plan. The toe of the slope abutting the reconstructed Robinson Creek will be protected with a silt fence or excelsior log immediately. Topsoil is stockpiled on top of the excess spoil pile. Topsoil was not applied to the gully repair on the west side of the Excess Spoil Pile.

Topsoil from the trench 1 (pit 16 vicinity) is piled on the excess spoil pile to be utilized promptly on the pile.

4.a Hydrologic Balance: Diversions

Ditch #1 was inspected from its southern outlet point (east of pond #4) for about 150 yds up-channel along the Berm shown in Dwg. 5-26. The Berm is currently functioning and has recently had minor work to improve the divide between mine disturbance and Ditch #1 draining the undisturbed area to the east. Material piled to the west of the Berm has sloughed into the ditch draining to pond #4, but water is still able to flow past these areas. Maintenance of the ditch west of the Berm may be necessary before 2015 monsoon events.

We visited Ditch #1 at the outlet, the road crossing at Swapp Ranch, and at the top. The ditch was dry both up and/or down channel at each location.

Currently, the partially reconstructed Lower Robinson Creek acts as the northern segment of Ditch #4. Runoff from Watershed 3 (Dwg. 5-26) drains into the reconstructed channel, flows to the lower end of the final alignment, and is then diverted to the top/beginning of Ditch #4.

Ditch #4 is functioning and drains water to Pond #3.

4.b Hydrologic Balance: Sediment Ponds and Impoundments

The spillway for Pond #3 is under repair. It will be built back to the specifications laid out in the MRP.

Ponding is occurring where the refuse and backfill pile slope toes are adjoining. The plan is to dig a channel through this area to allow water to drain north into Ditch #4.

4.c Hydrologic Balance: Other Sediment Control Measures

Reclamation for Watershed 6 (Dwg. 5-26) was staged upon a ~2 acre area in the southwestern corner of the watershed. This staging area is currently disturbed and does not have any soil stabilization or erosion mitigation measures to prevent runoff from flowing unmitigated into the abutting Lower Robinson Creek diversion and eventually offsite. Multiple rills and gullies were observed flowing from the disturbed area into the diversion. This area was identified as being a priority for soil stabilization and/or erosion control measures.

4.d Hydrologic Balance: Water Monitoring

The three water monitoring wells just south of pond #4 (SS group, Dwg. 7-2) were observed.

We were unable to locate an additional well in the northeastern area of the permit.

9. Protection of Fish, Wildlife and Related Environmental Issues

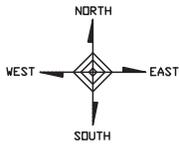
Cheat grass was sprayed in the area bordering ditch #4 on the north side of the spoil pile. Tamarisk is moving in and colonizing Pond #3 and needs to be controlled. Thistle is beginning to establish on the berm of Pond #4 and along Ditch #1 at the Dame access road. The thistle needs to be controlled.

12. Backfilling And Grading

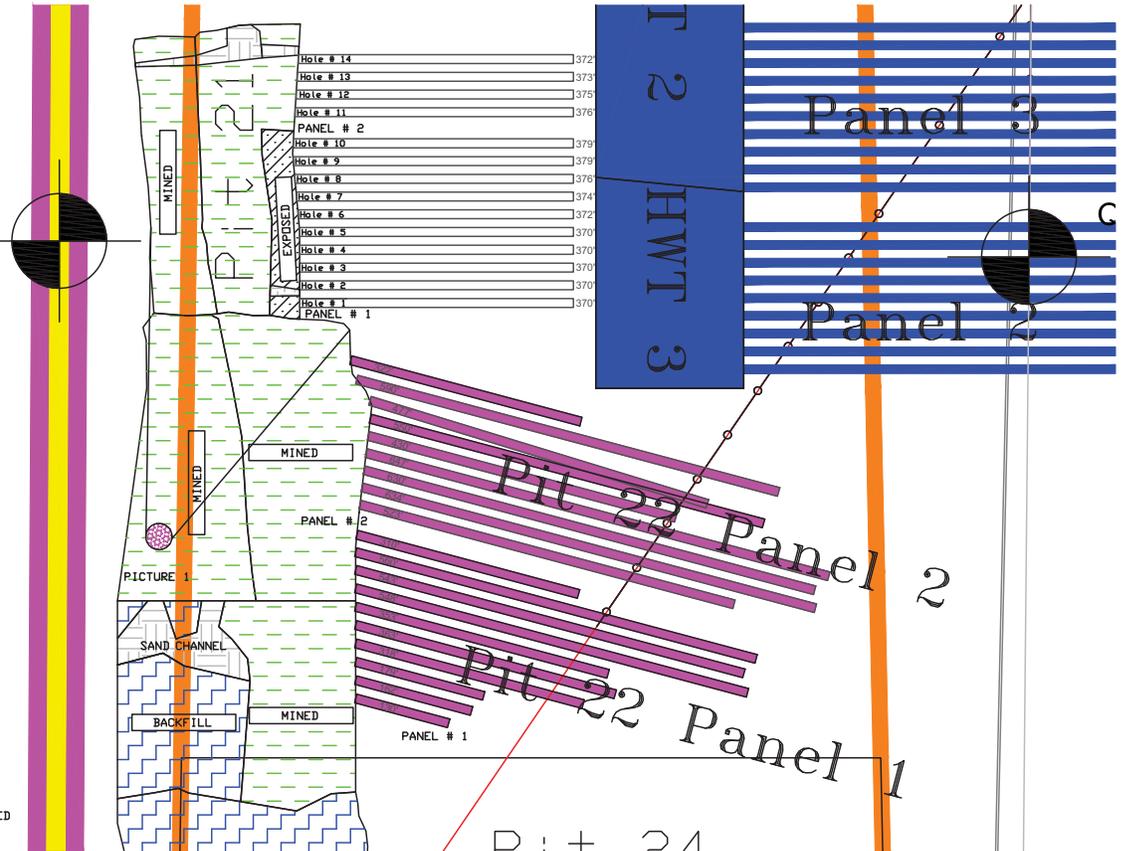
Subsoil had recently been ripped with a Harvey's Harrow on the east side of the Excess Spoil Pile. Subsoil had recently been placed on subsoil Pile #2. Pit 10 is being expanded to the south over Pit 9 panel 3 (Dwg 5-10A) in order to recover the lost cutter head. At the time of the inspection, alluvium was being removed from the surface of Pit 11 to create the Pit 10 high wall (see drawing 5-10). This highwall will be benched at 40 ft. intervals and result in approximately 280 ft. disturbance from the east edge of pit 10 shown on coal boundary shown on Dwg 5-10, covering both pit 11 and pit 12 area. Alluvium was stockpiled in a flat topped pile to the east of Trench 1 above panel 4 (Drawing 5-10A). Trench 1 construction has stalled at this point. The trench 1 highwall is partially developed out of pit 9 south to panels 1 & 4. The alluvium above panels 1 & 4 have been laid back to a 4h:1v slope. Alluvium had recently been blasted in Pit 21. Coal was being hauled from Pit 21.

1/16TH CORNER
30

10-31-14
8.5' X 11'
1" = 200'



- PICTURE TAKEN
- EXPOSED COAL
- MINED
- BACKFILLED
- PARTIAL UNCOVERED



D: + 24



Looking east at the haul road. Pit 10 highwall is benched. Pit 10 is being enlarged to the south to recover the auger bit. Alluvium being pushed with dozer above the Pit 10 highwall. Alluvium is stockpiled to the south of pit 10 in a flat topped mound. The truck on the haulroad (far right) is approaching the location of Trench Highwall 1 (THW1) which is just west of the flat topped mound of alluvium.



Above: northern end of the reconstruction of Robinson Creek. West side (left of photo) has been laid back 3h:1v. East side (on the right) will be laid back as well. Below: Southern end of Robinson Creek reconstruction with water held on site by an embankment.





Above: Robinson Creek outlet to be repaired. Below: Realigned section of Robinson Creek on left. Note the interim seeding on the slope. On right subsoil and topsoil covers graded pit 3. This area will be graded, seeded and treated with sediment control before run off enters the realigned drainage.





Above: Ripping on contour of subsoil covering the east facing slope of the Excess Spoil Pile. Below: Drainage from permanent and new temporary spoil pile creates ponded water. Grading is needed to direct the water to Ditch #4.





Above and below: Rill repair on the north side of the excess spoil pile. Site will be seeded and mulched.





Above: Pond #3 with tamarisk beginning to invade. Below: Pond #3 spillway temporary repair.





Above: Pond #4 spillway. Below: Pond #4 inlet.





Ditch #1 outlet.



Wells along south permit boundary.



Above: Slumped area at south permit boundary likely due to former soil pit. Needs repair.
Below: Vegetation and disturbed area in front of Dames access.





Above: Ditch #1 North of Dames access. Fence line is permit boundary.
Below: Ditch #1 South of Dames access.





Above: Replacement water well on East side of permit area.

Below: View of alluvium removal from Pit 10 and excess spoil piles from the water well.





Above: Topsoil pile #2 surface.

Below: Area of topsoil pile #2 to be reseeded. mine facilities in background.

