



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:	PARTIAL
Inspection Date:	Wednesday, April 23, 2014
Start Date/Time:	4/23/2014 8:30:00 AM
End Date/Time:	4/23/2014 2:00:00 PM
Last Inspection:	Tuesday, March 18, 2014

Representatives Present During the Inspection:	
OGM	Priscilla Burton
OGM	Steve Christensen
OGM	Anna Daniel
Company	Kirk Nicholes

Inspector: Priscilla Burton,

Weather: overcast, windy, 45 F

InspectionID Report Number: 3819

Accepted by: jhelfric

4/29/2014

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:

Pit 23 is mined out on the west side. Overburden removal is occurring in Pits 22 and 23 east side. Auger mining was underway in Pit 9. Refer to Dwg 5-10 for pit locations. Backfilling of Pit 6 from Pit 22 overburden was ongoing. Exploration drilling was ongoing in the vicinity of Pit 14. The 2013 reclaimed areas were walked and photographed, refer to Map 5-38A dated 3/14/14. Ponds and diversions were observed, refer to Dwg 5-3 for locations.

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: 2014.05.01 13:49:36 -06'00'

Date

Friday, April 25, 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 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 checked="" 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 type="checkbox"/>	<input type="checkbox"/>	<input 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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

A 60 day extension to the abatement of NOV 10135 for filling Pit 6 was granted by Director Baza. Pit #6 must now be rough backfilled and graded by June 16, 2014 (Outgoing letter, 4/9/2014)

2. Signs and Markers

A disturbed area boundary sign is needed along the berm on the Lower Robinson Creek side of the road in the location of the storage yard.

3. Topsoil

The recent grading on topsoil pile #2 has helped to eliminate the low spot that was accumulating salts. Additional work on the pile was requested to smooth out piles placed on the south west end of the pile and to spread out piles of grubbed vegetation.

Topsoil recently salvaged from Pit 22 and 23 that came from soil map unit 12 was noted on the surface of graded pits 3 & 5. This topsoil is derived from shale and is of lesser quality than the rest of the topsoil being used in reclamation of pits 3 & 5. Blending the soils from map unit 12 with the adjacent stockpiled material was determined to be the best way to get the depth and quality required for final reclamation of the pits.

4.a Hydrologic Balance: Diversions

Ditch 4 to Pond 3 was dry (see Dwg 5-34 for ditch design). Ditch 4 appeared stable. No evidence of cutting or erosion was observed during the inspection. At the access to Dame property, undisturbed ditch 1 was flowing at about 1 - 2 gal/min. Refer to Dwg 7-15 for road access location and Dwg 5-33 for as-built ditch design. Both Ditch 4 and Ditch 1 were completed in 2013. Ditch 1 berm was seeded in July 2013.

4.b Hydrologic Balance: Sediment Ponds and Impoundments

Maintenance is required on the ditch and inlet to pond 2 (Dwg 5-34 for design). The recent grading work on the slope adjacent to Pond 2 will be seeded with an interim mix to control erosion at the site. Kirk Nichols indicated that he wants to clean out the fan of sediment deposition in the inlet location inside Pond 2. Although the sediment level in Pond 2 is well below the 60% clean-out level, the deposition of sediment in the inlet area of the pond is fairly large.

Overflowing water storage tanks are sending a large amount of water through culvert 7 along a ditch that flows to Pond 1A (see Dwg 5-3A). The storage tank water valve should be repaired ASAP and flow along this ditch should be watched because it is downcutting the ditch and creating a meanders in the ditch.

11. Contemporaneous Reclamation

Reclamation completed in 2013 was photographed. A small area along the surface of the spoil pile should be reworked to remove equipment tracks. Then it should be mulched and seeded this year. The topsoil berm left along the lower Robinson Creek diversion should be smoothed out or used in the 2014 reclamation of adjacent area.

12. Backfilling And Grading

Backfilling of Pit 6 from Pit 22 overburden was ongoing.

16.b Roads: Drainage Controls

Topsoil access road berm requires maintenance on the north side of the road, upper section and on the south side above culvert 10. In addition, the berm running behind the storage units along the north side of the topsoil access road needs maintenance to prevent encroachment of mining activity into the undisturbed area and to separate the undisturbed and disturbed drainage. See Dwg 5-23 for berm design along this road.

21. Bonding and Insurance

Auger mining was underway in Pit 9. Pit 23 is mined out on the west side. Overburden removal is occurring in Pits 22 and 23 east side. Pit 22 is approximately the northern most bonded area in Phase II. Refer to Dwg 5-10 for pit locations and Dwg 5-3 for bonding phases. Advance to Pit 21 will require additional bonding.



Pit 23 in background. Pit 26 in foreground.



Pit 23



Pit 6



Coal conveyed to truck by auger mining in Pit 9.



Graded area near Pond #2 and inlet to Pond #2.



Looking south at Ditch 1 from Dame's access road. Subsoil in distance. Topsoil far right.



Looking north at Ditch 1 from Dame's access road.



Flow in diversion Ditch 1.



2012 Reclamation looking SW at the NW end of spoil pile



Looking north at the same section of 2012 reclamation as at left.



2013 reclamation looking east at reclamation on west side spoil pile.



Looking west at same section of reclamation. (2013 reclamation is in the background.)



2013 reclamation near lower Robinson Creek



Small sprigs are emerging.



Topsoil berm along Lower Robinson Creek diversion to be used or spread out in 2014 reclamation.



Turkey manure mulch and straw bales used in 2013 reclamation.



Loose soil in berm needs compaction.



Rill in 2013 reclamation



Excelsior logs need to be set into ground.



Rill needs attention.



Ditch carrying overflow to Pond 1 in coal yard.



Berm to control flow from storage yard is necessary.



Berm necessary to keep undisturbed and disturbed drainage separate.