



OGMCOAL DNR &lt;ogmcoal@utah.gov&gt;

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## Coal Hollow Inspection 11 24 2015

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**Priscilla Burton** <priscillaburton@utah.gov>  
To: Kirk Nichols <knicholes@altoncoal.com>  
Cc: OGMCOAL DNR <ogmcoal@utah.gov>

Wed, Dec 2, 2015 at 2:04 PM

Hello Kirk,

I have attached a copy of my report for the inspection on November 24, 2015. As we discussed, there are several high priority maintenance items to be accomplished: topsoil berm repair on temporary topsoil stockpile 2, Pond 1 redesign including riprap installation, Pond 3 spillway riprap repair, Pond 3 inlet riprap repair, Pit 10 polypipe to Pond 3 installation with riprap and geotextile.

Currently, the underground facilities map 5-3B does not reflect the actual facilities at the site and must be updated with the existing catch basin, the culvert beneath the haul road, the ditch along the haulroad, the two polypipes exiting the sump, and all culverts in the facilities yard.

Finally, we discussed the soil sampling which was promised in the 2014 Annual Report. You indicated those results had been received and were available. Please forward the results.

You mentioned that the alluvial slopes East and South of Pit 10 are currently being graded to reduce and possibly eliminate the overland flow into Pit 10. Thank you.

Priscilla Burton, MS, CPSSc  
Environmental Scientist III  
Utah Division of Oil, Gas & Mining  
Price Field Office  
phone: [435-613-3733](tel:435-613-3733)



**Coal Hollow Insp Rpt 5372 11242015.pdf**  
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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:	PARTIAL
Inspection Date:	Tuesday, November 24, 2015
Start Date/Time:	11/24/2015 10:00:00 AM
End Date/Time:	11/24/2015 3:00:00 PM
Last Inspection:	Wednesday, November 18, 2015

Representatives Present During the Inspection:	
OGM	Priscilla Burton
Company	Kirk Nicholes

Inspector: Priscilla Burton,

Weather: sun, 45 F

InspectionID Report Number: 5372

Accepted by: JHELFRIC

11/30/2015

Permitee: **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	<b>Total Permitted</b>
342.00	<b>Total Disturbed</b>
	<b>Phase I</b>
	<b>Phase II</b>
	<b>Phase III</b>

#### 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:

A loader, a dozer, and the PC2000 excavator were loading haul trucks with subsoil and spoil from the Excess spoil pile. Five trucks were hauling fill from the spoil pile to the north end of HWT 2. Six people were working underground to advance to cross-cut #1. Approximately 10 truckloads of coal are being transported from the site daily. Mulch and seed was being applied over pits 20-25 at the southern end of the permit area by a contractor (Kevin Heaton).

Refer to Dwg 5-3A for facilities culvert locations; Dwg 5-3B for Pit 10 Underground facilities map; Dwg 5-28 for Pond 1 design; Dwg 5-20 for Pond 3 design; and Figure 1 of App. 5-13 for the buried pipe location.

Inspector's Signature:

Priscilla Burton,  
Inspector ID Number: 37

Date Wednesday, November 25, 2015



**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 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 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 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 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 type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
22. Other	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

### **1. Permits, Change, Transfer, Renewal, Sale**

Pit #10 pipeline to Pond #3 and Pond #1 revisions were approved November 13, 2015 (Task 5012). North Lease application Task 4942 is under review. Reconstructed Robinson Creek Engineer's Statement Task 5018 is under review.

### **3. Topsoil**

Temporary topsoil stockpile #1 has been consolidated and bermed along the west side of the excess spoil pile. (This topsoil stockpile was the subject of NOV 21157, which will now be terminated). Three other temporary topsoil stockpiles are bermed along the south side of the excess spoil pile. I refer to them (from west to east) as temporary topsoil stockpiles 2, 3 and 4. Temporary topsoil stockpile 4 is signed and bermed. Temporary topsoil piles 2 and 3 require signs. The berm between temporary topsoil stockpiles 2 and 3 requires repair. This work is high priority and will be completed promptly, by the end of the week, November 27. These temporary topsoil stockpiles were created early this fall for contemporaneous reclamation use.

Topsoil stockpile #4 adjacent to Pit #10 has been partially used for reclamation of Pits 20-24. No further topsoil is expected to be removed from this stockpile and therefore the berm must be re-established completely around the stockpile and the unvegetated portions of the stockpile must be seeded. Subsoil pile #2 has been partially utilized for reclamation of HWT 2. Subsoil pile #2 is now idle, but may be used for reclamation of HWT 1.

Topsoil sampling referred to in the 2014 Annual report was completed. Analyses will be forwarded promptly.

#### **4.a Hydrologic Balance: Diversions**

Appendix 5-13 was recently approved to allow the discharge of 100 gpm (0.22 cfs) into Pond #3 for a period up to 14 days. Two pipes have been laid from Pit 10 to Pond #3, however one pipe is severed at the transition zone where it is discharging greater than 2 gpm into DD4. Water pumped from the sump in Pit #10 is collected from in mine roof bolting and from boot cleaning station and from a catch basin collecting alluvial water from the surrounding disturbed area. Whether two pipes will remain buried or one pipe would remain was not clear. Clark Atwood, the underground mine foreman indicated that both pipes were functional.

#### **4.b Hydrologic Balance: Sediment Ponds and Impoundments**

Pond 1 inlet construction was recently approved and will get underway. This work requires surveying in a ditch, shortening Culvert 6 and placement of riprap. This work is a high priority and will be completed promptly and prior to December 11. Pond 3 has been discharging for about a month through the decant. Pond 3 also has been receiving flow through DD4 from Pit 10 for some time. The pit 10 pipe is about 20 feet short of the pond and needs to be extended. Pond 3 requires riprap at its outlet and inlet and at the Pit 10 pipe inlet. This work is high priority and will be completed promptly and prior to December 11.

Pond #4 was not discharging, but was very full. Cody indicated that over 50 water truck loads (@4,000 gal/ truck) had been taken from Pond #4 in the last month. HWT 1 is a large impoundment and water is continuing to enter the pit through the alluvium at several locations.

#### **4.c Hydrologic Balance: Other Sediment Control Measures**

Water carrying sediment is entering the Pit 10 sump from the alluvium above Pit 10. There is no current sediment control in place to treat several acres of drainage. A ditch allowing flow into pit 10 and a catch basin on the bathhouse pad is not shown on Dwg 5-3B. Culverts at the mine entrance and along the haul road are not shown on Dwg 5-3B.

#### **4.d Hydrologic Balance: Water Monitoring**

Mr. Nichols has recently sampled the discharge from Pond #3.

#### **11. Contemporaneous Reclamation**

Pits 20 - 24 had received topsoil and were being mulched and seeded during the inspection. Kevin Heaton reported that 3 bales of straw @ 700 lbs ea and 6 CY of nutrimulch are applied to each acre. A photo of the seed mix is attached to this report.

#### **12. Backfilling And Grading**

HWT 1 is being backfilled with spoil from the excess spoil pile.

#### **13. Revegetation**

Pit 25 area was seeded in January 2015. Grasses and several shrub species: winterfat, sagebrush and saltbush are doing well. A photograph of the area west of the County Road is included with this report. East of the county road, the shrub species were not seeded at the request of the landowner.

**16.b Roads: Drainage Controls**

The sink hole in the county road was repaired with a culvert and fill. The area was too soft for revegetation equipment to travel over, so it was hand seeded.

Culvert #2 in the facilities yard needs to be cleaned out. Some thought needs to be given to how to redirect flow from the haul road to culvert #5 or Pond 1B so that it does not overwhelm the straw bales at the Mine entrance. Flow along both the entrance and exit segment of the haul road should be diverted.

**22. Other**

A pile of barbed wire along the east boundary will be tossed into HWT 1 while it is being backfilled.





Pit t0 to Pond 3 pipe recently approved. Two polypipes partially buried along DD4.



Temporary discharge from UG mine to DD4 through polypipe during installation of pipe.



Two pipes can remove water from UG sump. One pipe is currently active.



Bermed temporary stockpile 1 on the West side of the excess spoil pile, undisturbed topsoil on far slope (NOV 21157 terminated).



Pond 3 inlet flowing from DD4. Inlet requires riprap repair to design specifications.



Pond 3 discharge from decant pipe.



Pond 3 overflow requires riprap repair to design standard.



Polypipe is just short of Pit 10. Installation in pond requires riprap to design standard.



Far side of the pond will be new inlet (requires riprap to design standard).



Temporary topsoil stockpile 2. Temp pile 3 & 4 in distance.



Repair of breached berm at junction of Temporary topsoil stockpile 2 and Temp pile 3 needs immediate attention.



Temporary stockpile 4 is bermed and signed.



Pit 10 UG mining area, see also Dwg 5-3B



Sump water is currently pumped to Pond 3 via DD4.



Catch basin on bathhouse pad collects alluvial drainage.



Ditch above pit 10 with buried waterline leads to un-reclaimed area shown



Culvert carries alluvial drainage across the road to sump



This un-reclaimed area is the source of the flow into Pit 10



Backfill into HWT 1. Note location of truck in photo above and below.



Excessively large roadway un-reclaimed above Pit 10.



Backfill of Pit 9



Water collects on un-reclaimed area above Pit 10.



Backfill of Pit 9 on left Pit 10 in farground.



Topsoil, mulch, nutrimulch and seed applied to backfilled and regraded Pits 20 – 24 (Ph 1 bond release areas 4 and 5).

# UTAH SEED

Tremonton, UT  
435-854-3720

Name: Alton Coal Grass, Shrubs & Flowers Mix

Mix#: 2014.0517

Kind	Variety	Purity of Mix	Germ	Origin
Triticale	Quickgard	27.07%	90%	WA
Indian Ricegrass	VNS	12.66%	77%	WA
Western Wheatgrass	Recovery	10.95%	89%	ID
Slender Wheatgrass	Revenue	10.05%	97%	CN
Antelope Bitterbrush	VNS	8.21%	89%	ID
Blue Flax	Appar	5.60%	87%	ID
Utah Sweet Vetch	Timp	5.48%	89%	OR
Mountain Lupine	VNS	5.30%	92%	UT
Mountain Snowberry	VNS	3.69%	88%	UT
Palmer Penstemon	VNS	2.49%	98%	UT
Sandberg Bluegrass	VNS	2.00%	73%	CN
Showy Goldeneye	VNS	1.17%	98%	UT
Kentucky Bluegrass	Wildhorse	1.15%	85%	ID
White Western Yarrow	VNS	0.50%	90%	NZ

Other Crop:

0.09%

Noxious Weeds:

None

