

Outgoing
602-50005
K

OGMCOAL - Inspection Report and Spring 2012 Baseline Field Reconnaissance

From: April Abate
To: Kirk Nicholes
Date: 2/28/2012 10:37 AM
Subject: Inspection Report and Spring 2012 Baseline Field Reconnaissance
CC: Ken Hoffman; OGMCOAL@utah.gov; Steve Christensen
Attachments: Coal Hollow_InspRpt02.23.2012.pdf; April Abate.vcf

Hi Kirk,

I have attached our inspection report from last week. Please note there are a few action items we discussed in the field that are detailed here. As I mentioned to you during last week's inspection, I would like to schedule an interagency trip this coming May to take a look at potential water monitoring sites needed for baseline if the expansion goes through. We should have Erik Petersen join us, as well as representatives from the BLM and Division of Water Rights.

I would allow for a two day visit. Some dates to consider are May 8, 9 or the following week May 15, 16. Let me know if either of these weeks will work for you.

We are just wrapping up the deficiency letter associated with the groundwater management plan. This should be going out to you this week and it will give you some time to review it before our meeting on the 9th.

Thanks and please give me a call if you have any other questions.

April

April A. Abate

Environmental Scientist III

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Starting Tuesday, September 6, 2011, our agency hours will be 8am-5pm, Monday-Friday.



GARY R. HERBERT
Governor

GREG BELL
Lieutenant Governor

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:	Thursday, February 23, 2012
Start Date/Time:	2/23/2012 1:00:00 PM
End Date/Time:	2/24/2012 11:00:00 AM
Last Inspection:	

Representatives Present During the Inspection:	
OGM	April Abate
OGM	Kenneth Hoffman
OGM	Pete Hess
State	Michael Herkimer
OGM	Steve Christensen

Inspector: April Abate
Weather: Clear 38F
InspectionID Report Number: 3029
Accepted by:

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

635.64	Total Permitted
435.00	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:

Purpose of the inspection was to discuss water quality effluent compliance requirements from all UPDES permitted outfalls and to discuss alluvial groundwater collection system. Current coal haulage rate is at 35 trucks/week, 4 days per week. Delta power plant is expected to return to full operational status around the end of May. Until then, production at the mine will be limited by the conditions at the power plant. An inspection was also performed by the Utah Department of Water Quality (UDEQ) UPDES Permit Section to evaluate compliance status with Permit #UTG040027. A separate inspection report will be filed by UDEQ.

Inspector's Signature:

April Abat
Inspector ID Number: 60

Date Monday, February 27, 2012



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 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 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 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 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.a Hydrologic Balance: Diversions

The Lower Robinson Creek temporary diversion channel showed indications of approximately 2.5 feet of downcutting. Based on discussions with Kirk Nichols, mining in this area is estimated to last for another year and half. Additional erosion controls need to be incorporated into the design plan for the temporary diversion channel. A separate amendment should be submitted to the Division detailing refining the existing design in the MRP for additional erosion control measures at the temporary diversion channel.

4.b Hydrologic Balance: Sediment Ponds and Impoundments

Inspected all sediment ponds. Pond 1 had major erosion on north inslope adjacent to concrete barriers. Inslope needs additional grading and a more robust berm needs to be emplaced to prevent runoff from the road from migrating through the concrete barriers and eventually end up eroding the inslope of the sediment pond. Pond 1B inlet was also badly eroded and needed additional rip rap. The berm between Pond 1B and the stream buffer zone also needs additional grading. Pond 2 also needs additional rip rap at the inlet. Pond 3 did have a significant amount of snow cover that limited any observations of erosion. During observation: Pond 1 was 60% full, Pond 1B had a small amount of liquid, Pond 2 was 50% full, and Pond 3 had approximately 1 foot of freeboard remaining.

4.c Hydrologic Balance: Other Sediment Control Measures

Inspected the berms at the top soil haul road and the berm located at the south side of the excess spoils pile. Both areas were bermed and seeded distinguishing the disturbed areas from undisturbed areas. The alternate sediment control area at the entrance to the mine was building up with sediment and overtopping. Clean out and replacement of haybales is needed in this area. Silt fencing below Ponds 1B and 3 were knocked down and should be repaired once weather allows access.

4.d Hydrologic Balance: Water Monitoring

Groundwater inflows at the pits are currently esimated to be at 10 gal/minute. In fall 2011 esimates were reported at approximate 25 gal/minute. The Division is currently in consultation with the Permittee on an approvable groundwater management plan. Kirk was informed of the short holding time for analysing UPDES pH and that a pH meter would be needed to conduct field measurement for the UPDES outfalls.

4.e Hydrologic Balance: Effluent Limitations

Impoundment structure was mostly backfilled per the Division's request until approval of an alluvial groundwater management plan is approved. Currently, there is no discharge from outfall location UPDES 005.

12. Backfilling And Grading

Pit 5 is actively being mined. Pits 1 and 2 are backfilled. Mining has been completed in Pit 3 but not yet backfilled.

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Inspection Continuation Sheet

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13. Revegetation

The operator is planning to seed the toe of the excess spoils pile (southwest side) approximately 10 acres in the spring.