



The State of Utah  
 Department of  
 Natural Resources  
 Division of  
 Oil, Gas & Mining

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*Lieutenant Governor*

**Representatives Present During the Inspection:**

Gregg Galecki Environmental Scientist III

# Inspection Report

Permit Number:	C0070001
Inspection Type:	TECHNICAL
Inspection Date:	Tuesday, March 30, 2004
Start Date/Time:	03/30/2004 9:00:00 AM
End Date/Time:	03/30/2004 2:00:00 PM
Last Inspection:	

Inspector: Gregg Galecki, Environmental Scientist III

Weather: clear, sunny, some south wind, ~60 degrees F.

InspectionID Report Number: 223

Accepted by: dhaddock  
 04/05/2004

Permittee: **LODESTAR ENERGY INC**  
 Operator: **LODESTAR ENERGY INC**  
 Site: **WHITE OAK MINE**  
 Address: **HC 35 BOX 370, HELPER UT 84526**  
 County: **CARBON**  
 Permit Type: **PERMANENT COAL PROGRAM**  
 Permit Status: **ACTIVE**

**Current Acreages**

3,906.00	<b>Total Permitted</b>
151.10	<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:**

The following is a summary of information collected as part of Field Visit at the White Oak, Belina Mine site. Primary objectives were to 1) try to determine available storage in the Sedimentation Pond, 2) determine approximate size of the Temporary Retention basin, 3) Evaluate whether runoff from the disturbed site will be directed to the Sedimentation Pond, and 4) Run the Snow Course that was initially run 11Mar04.

Inspector's Signature: \_\_\_\_\_

Date Thursday, April 01, 2004

Gregg Galecki, Environmental Scientist III

Inspector ID Number: 48

**Note:** This inspection report does not constitute an affidavit 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 REQUIREMENT**

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

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

Diversions on the site are predominantly nonexistent. Water flows freely and collects in various low areas on the disturbed site. However, no appreciable water has collected in the temporary retention basin.

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

An inspection of the Sediment Pond (004) indicated the sediment storage is approximately 1/3 of capacity. Water was discharging @ approximately 5-10 gpm. Design parameters of the Sedimentation Pond indicate the designed peak flow is 19 cfs, which is well above the anticipated runoff flow. Discharge was inspected both at approximately 10:00 and 13:30. At 13:30, water entering the pond was very muddy and silty, the discharge, however, was clear. A gps survey of the temporary retention basin indicates approximately 6.6 acre-feet of storage is available in that basin.

Approximately 10-20 gpm was reporting to the temporary retention basin, but no water was being impounded. Apparently, the water was infiltrating into the fill. After approximately 15Apr04, it is recommended that the retention pond be monitored to keep the water level at a manageable level, or if the retention basin is not ponding water, try to determine if the water is saturating the fill or reporting further downstream and potentially bypassing the Sedimentation Pond.

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

Straw bales on the east and northeast side of the Sedimentation Pond will need to be monitored to ensure water continues to be directed to the Sedimentation Pond. Failure of these sediment control measures would allow uncontrolled runoff to bypass the Sediment pond and go directly to Whiskey Creek.

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

A snow course was established on 11Mar04 and re-run 30Mar04. Information from the snow course, NRCS Snotel data, and Skyline Mine weather data support that approximately 100-120 acre-feet of snow-water equivalent remains in the basin above the disturbed site. Information from a Utah State meteorologist suggests 10-30 percent of that water normally reports as runoff.

Using 100 acre-feet as an example, approximately 10 to 30 acre-feet of runoff will potentially report to the temporary retention basin. It is highly recommended this water be pumped from the temporary retention basin into the designed Sediment Pond for sediment control and reduction of saturating of the fill material. It is anticipated runoff directed toward the temporary retention basin will report at a rate ranging from 100 to 500 gpm.

## **11. Contemporaneous Reclamation**

Reclamation activities at the site were last conducted in December 2003. At that time, the site was in the middle of being reclaimed; no areas were at final grade or top-dressed. The undisturbed bypass culvert was blocked during reclamation activities and drainage was not re-established prior to leaving the site for the year.

Approximately 50% of the disturbed site drainage will report to a non-designed temporary retention basin, and all of the undisturbed runoff (120-acres) will report to the same temporary retention basin.

### **16.a Roads: Construction, Maintenance, Surfacing**

The majority of the access road leading to the site is covered by 20 to 22-inches of well-compacted snow. One south-facing section of road, approximately 300-yards long is completely void of snow.

### **16.b Roads: Drainage Controls**

Drainage from the access road was evaluated and functioning as designed.

## **22. Other**

Photos are available in M:\C0070001\IMAGES\03302004