



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

ROBERT L. MORGAN
Executive Director

LOWELL P. BRAXTON
Division Director

OLENE S. WALKER
Governor

GAYLE F. McKEACHNIE
Lieutenant Governor

Representatives Present During the Inspection:	
OGM	Priscilla Burton Environmental Scientist III
OGM	James Owen

Inspection Report

Permit Number:	C0070001
Inspection Type:	COMPLETE
Inspection Date:	Monday, June 21, 2010
Start Date/Time:	6/21/2010 11:30:00 AM
End Date/Time:	6/24/2010 3:00:00 PM
Last Inspection:	Wednesday, June 09, 2010

Inspector: Priscilla Burton, Environmental Scientist III

Weather: sun 70F

InspectionID Report Number: 2401

Accepted by: jhelfric
 6/24/2010

Permitee: **LODESTAR ENERGY INC**

Operator:

Site: **WHITE OAK MINE**

Address: ,

County: **CARBON**

Permit Type: **PERMANENT COAL PROGRAM**

Permit Status: **RECLAIMED**

Current Acreages

3,906.00	Total Permitted
151.10	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:

Conditions at loadout and mine site remain unchanged. Lock is still on the gate at the mine site. Copy of key to this lock sent by certified mail to the Oman Trust on 6/22/2010.

Inspector's Signature:

Priscilla Burton

Date

Monday, June 28, 2010

Priscilla Burton, Environmental Scientist III

Inspector ID Number: 37

Note: This inspection report does not constitute an affidavit of compliance with the regulatory program of the Division of Oil, Gas and Mining.

1594 West North Temple, Suite 1210, PO Box 145801, Salt Lake City, UT 84114-5801
 telephone (801) 538-5340 facsimile (801) 359-3940 TTY (801) 538-7223 www.ogm.utah.gov

Utah!
 Where ideas connect™

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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Signs and Markers	<input type="checkbox"/>	<input checked="" 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 type="checkbox"/>	<input type="checkbox"/>
4.b Hydrologic Balance: Sediment Ponds and Impoundments	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.c Hydrologic Balance: Other Sediment Control Measures	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.d Hydrologic Balance: Water Monitoring	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.e Hydrologic Balance: Effluent Limitations	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Explosives	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. Disposal of Excess Spoil, Fills, Benches	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Coal Mine Waste, Refuse Piles, Impoundments	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. Noncoal Waste	<input checked="" 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 type="checkbox"/>	<input type="checkbox"/>
10. Slides and Other Damage	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
11. Contemporaneous Reclamation	<input type="checkbox"/>	<input checked="" 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15. Cessation of Operations	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16.a Roads: Construction, Maintenance, Surfacing	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16.b Roads: Drainage Controls	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
17. Other Transportation Facilities	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
18. Support Facilities, Utility Installations	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
19. AVS Check	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
20. Air Quality Permit	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
21. Bonding and Insurance	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
22. Other	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

3. Topsoil

Soil samples from mine site delivered to the BYU soil laboratory on June 14, 2010. Analysis to include: pH, EC, SAR, texture, N, P, K, Acid Base Accounting, %Carbon, Se, and B.

10. Slides and Other Damage

Subsidence over culvert C-14-42 at the loadout remains unchanged. Subsidence over portals at the mine site is unchanged.

12. Backfilling And Grading

Reclamation team is finalizing designs.

13. Revegetation

A full vegetation survey will be conducted later this summer.

From: Bruce Webb <bruce_webb@byu.edu>
To: "priscillaburton@utah.gov" <priscillaburton@utah.gov>
Date: Tuesday, June 29, 2010 3:18 PM
Subject: Soil Analysis Results
Attachments: r928-930acidbase.pdf; r928-930.pdf

Priscilla,

Attached are the soil analysis results you have requested. Let us know if you have any questions.

Bruce Webb

BRIGHAM YOUNG UNIVERSITY

Soil and Plant Analysis Laboratory

255 WIDB

Provo, UT 84602

801-422-2147

Plant and Wildlife Sciences Department

Name Priscilla Burton
 Street 319 N. Carbonville Road, Ste C
 Price Utah 84501
 City State Zip

SOIL TEST REPORT AND RECOMMENDATIONS

Date: 29-Jun-10
 Telephone: 435-613-3733
 Fax: 435-613-3739

Sample Identification	Crop to be grown	pH	% Sand	% Silt	% Clay	Soil Texture	Cation Exchange meq/100g	% Organic Carbon
white oak east	Turf	7.96	49.44	29.08	21.48	Loam		2.55

Soil Test	Results	Very Low	Low	Medium	High	Very High	Recommendations
Nitrate-Nitrogen ppm N	2.25	X					apply 2.8 lbs of N/1000 sq ft
Phosphorus ppm P	11.85		X				apply 1.4 lbs of P2O5/1000 sq ft
Potassium ppm K	96.00			X			no fertilizer needed
Salinity-ECE dS/m	0.40	X					no salinity problem
Iron ppm Fe	26.14					X	no fertilizer needed
Boron ppm B	1.72						
Selenium ppm Se	0.93						
SAR-Sodium Absorption Ratio	1.11	X					no sodium hazard
Calcium-SAR ppm Ca	39.68						
Magnesium SAR ppm Mg	8.96						
Sodium SAR ppm Na	29.76						

Notes:

BRIGHAM YOUNG UNIVERSITY

Soil and Plant Analysis Laboratory

255 WIDB

Provo, UT 84602

801-422-2147

Plant and Wildlife Sciences Department

Name Priscilla Burton
Street 319 N. Carbonville Road, Ste C
Price Utah 84501
City State Zip

SOIL TEST REPORT AND RECOMMENDATIONS

Date: 29-Jun-10
Telephone: 435-613-3733
Fax: 435-613-3739

Sample Identification	Crop to be grown	pH	% Sand	% Silt	% Clay	Soil Texture	Cation Exchange meq/100g	% Organic Carbon
white oak east	Turf							

Soil Test	Results	Very Low	Low	Medium	High	Very High	Recommendations
Sulfur % S	0.02	X					
Acid Potential tons CaCO ₃ /1000 tons	0.77						
Ca Carbonate %CaCO ₃	2.44						
Neutralizing Pot. tons CaCO ₃ /1000 tons	24.35						
Acid Base Pot. tons CaCO ₃ /1000 tons	23.58						good

Notes:

BRIGHAM YOUNG UNIVERSITY

Soil and Plant Analysis Laboratory

255 WIDB

Provo, UT 84602

801-422-2147

Plant and Wildlife Sciences Department

Name Priscilla Burton
Street 319 N. Carbonville Road, Ste C
Price Utah 84501
City State Zip

SOIL TEST REPORT AND RECOMMENDATIONS

Date: 29-Jun-10
Telephone: 435-613-3733
Fax: 435-613-3739

Sample Identification	Crop to be grown	pH	% Sand	% Silt	% Clay	Soil Texture	Cation Exchange meq/100g	% Organic Carbon
white oak west	Turf	8.01	45.80	28.08	26.12	Loam		3.28

Soil Test	Results	Very Low	Low	Medium	High	Very High	Recommendations
Nitrate-Nitrogen ppm N	2.25	X					apply 2.8 lbs of N/1000 sq ft
Phosphorus ppm P	10.06		X				apply 1.4 lbs of P2O5/1000 sq ft
Potassium ppm K	32.00		X				apply 0.9 lbs of K2O/1000 sq ft
Salinity-ECE dS/m	0.38	X					no salinity problem
Iron ppm Fe	22.82					X	no fertilizer needed
Boron ppm B	2.91						
Selenium ppm Se	1.02						
SAR-Sodium Absorption Ratio	1.47	X					no sodium hazard
Calcium-SAR ppm Ca	36.16						
Magnesium SAR ppm Mg	9.44						
Sodium SAR ppm Na	38.56						

Notes:

BRIGHAM YOUNG UNIVERSITY

Soil and Plant Analysis Laboratory

255 WIDB
Provo, UT 84602
801-422-2147

Plant and Wildlife Sciences Department

Name Priscilla Burton
 Street 319 N. Carbonville Road, Ste C
 Price Utah 84501
 City State Zip

SOIL TEST REPORT AND RECOMMENDATIONS

Date: 29-Jun-10
 Telephone: 435-613-3733
 Fax: 435-613-3739

Sample Identification	Crop to be grown	pH	% Sand	% Silt	% Clay	Soil Texture	Cation Exchange meq/100g	% Organic Carbon
white oak west	Turf							

Soil Test	Results	Very Low	Low	Medium	High	Very High	Recommendations
Sulfur % S	0.04	X					
Acid Potential tons CaCO ₃ /1000	1.30						
Ca Carbonate %CaCO ₃	3.58						
Neutralizing Pot. tons CaCO ₃ /1000	35.80						
Acid Base Pot. tons CaCO ₃ /1000	34.50						good

Notes: