



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:	C0070001
Inspection Type:	COMPLETE
Inspection Date:	Tuesday, August 8, 2017
Start Date/Time:	8/8/2017
End Date/Time:	8/15/2017
Last Inspection:	

Representatives Present During the Inspection:
OGM Priscilla Burton

Inspector: Priscilla Burton,

Weather: partly cloudy, 75

InspectionID Report Number: 5928

Accepted by: DHADDOCK

8/31/2017

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
	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:

I hiked up to the mine site and removed thistle from the upper watershed. I scattered shrub seed in the upper watershed. I removed thistle from the reclaimed Eccles Creek stream banks and removed silt fence from the North facing bank. I scattered seed along the access road and both stream banks along Eccles Creek.

Inspector's Signature:

Priscilla Burton,
Inspector ID Number: 37

Date Thursday, August 17, 2017



Note: This inspection report does not constitute an affidavit of compliance with the regulatory program of the Division of Oil, Gas and Mining. telephone (801) 538-5340 • facsimile (801) 359-3940 • TTY (801) 538-7458 • www.ogm.utah.gov

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 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 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 checked="" type="checkbox"/>	<input type="checkbox"/>
9. Protection of Fish, Wildlife and Related Environmental Issues	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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 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 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 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
18. Support Facilities, Utility Installations	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
22. Other	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

3. Topsoil

"Vegetative Supporting Material" remains in a stockpile adjacent to the RR tracks at the Loadout. The pile was growing mostly rabbitbrush.

4.a Hydrologic Balance: Diversions

The side channel on the South Facing slope is stable. The main Whiskey Creek channel banks are slowly eroding around rocks in Reach 3. Loadout diversions are stable.

4.b Hydrologic Balance: Sediment Ponds and Impoundments

Loadout sediment pond was holding water.

4.c Hydrologic Balance: Other Sediment Control Measures

Excelsior log wattles were installed in mid June on the Eccles Creek reclaimed stream bank. The first row along the highway are full of sediment in several locations. Shrub seed was scattered around the wattles immediately after installation, so the sediment cover may encourage germination of some species through burial of the seed.

Silt fence remaining from the 2015 reclamation work was removed from both sides of the reclaimed Eccles stream channel.

4.d Hydrologic Balance: Water Monitoring

The Eccles stream channel reclamation work is between two of Skyline mine water monitoring points on Eccles Creek: VC 6 at South Fork above, and VC 9 below the loadout downstream.

4.e Hydrologic Balance: Effluent Limitations

At the loadout mine drainage continues to flow through the bypass culvert into Mud Creek. The oxidized water leaves a rust stain on the culvert and stream bank and is presumed high in iron.

8. Noncoal Waste

Some trash along the highway was picked up.

9. Protection of Fish, Wildlife and Related Environmental Issues

A deer was nesting in the drainage swale on the access road above HWY 264. Birds were nesting in the grassy reclaimed slopes of the upper basin. Thistle is encroaching on the reclaimed access road from the undisturbed outslopes. Meager vegetation establishment on the mile long reclaimed access road is likely due to the high carbonate content in the road base which forms much of the surface soil.

10. Slides and Other Damage

Large erosion gullies that formed on the North facing slopes of the upper watershed channel water from the slope to Whiskey Creek. Between gullies, the slope was becoming well vegetated with shrubs. No seed was scattered on the North facing slopes.

11. Contemporaneous Reclamation

On June 31, I scattered the following shrub seed along the South facing Eccles stream bank: locally collected rock mat (*Petrophytum caespitosum*), bitterbrush (*Purshia tridentata*), Utah serviceberry (*Amelanchia utahensis*), spiny hopsage (*Artemesia spinosa*).

On August 15 and August 24, I scattered the following seed on the North facing reclaimed stream bank of Eccles Creek: Utah serviceberry, bitterbrush, gooseberry current (*Ribes montigenum*), and woods rose (*Rosa woodsii*).

12. Backfilling And Grading

The sink holes are stable. The Whickey Creek channel is mostly stable. There is some undercutting in Reach 2, which is where the flow begins to pick up speed (from the crest of the hill downward). This erosion has not changed noticeably since last year.

13. Revegetation

Perennial grasses cover the upper watershed. The following was seeded on the slopes of the upper watershed and along the access road: bluebunch wheatgrass var. Anatone (*Pseudoroegneria spicata*), Utah serviceberry (*Amelanchia utahensis*), black sage (*Artemesia nova*), and spiny hopsage (*Artemesia spinosa*).

16.a Roads: Construction, Maintenance, Surfacing

Reclaimed roads are stable and show no sign of erosion.

16.b Roads: Drainage Controls

Swales are stable with no sign of erosion. Vegetation is growing in the swales.

18. Support Facilities, Utility Installations

Utility pole remains standing at the cement well pad on the NW disturbed area boundary,

21. Bonding and Insurance

All funds have been depleted. Watershed Restoration Initiative grant #4130 provided funding for the installation of excelsior logs along the reclaimed Eccles stream bank and purchased seed for use in the project area.

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22. Other

The UDOT Area 4 Engineer is writing a stream alteration permit to allow for installation culvert to carry flow from Hwy 264 down the stream bank into Eccles Creek. This will protect the recently reclaimed slopes above Eccles Creek. This work will be completed by UDOT in accordance with the details provided in the Watershed Restoration Initiative grant.