



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

Inspection Report

Permit Number:	C0150015
Inspection Type:	TECHNICAL
Inspection Date:	Monday, March 29, 2004
Start Date/Time:	03/29/2004 4:30:00 PM
End Date/Time:	03/29/2004 4:30:00 PM
Last Inspection:	

Inspector: Jerriann Ernstsén, Environmental Scientist II

Weather: Clear skies, 55-60 degree F.

InspectionID Report Number: 221

Accepted by: pgrubaug
 04/12/2004

Permittee: **CONSOLIDATION COAL CO**
 Operator: **CONSOLIDATION COAL CO SESSER OPERATIONS**
 Site: **EMERY DEEP MINE**
 Address: **PO BOX 566, SESSER IL 62884**
 County: **EMERY**
 Permit Type: **PERMANENT COAL PROGRAM**
 Permit Status: **ACTIVE**

Current Acreages

5,180.00	Total Permitted
247.00	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:

Monitor cryptogam and new road construction projects.

Inspector's Signature: _____

Date: Tuesday, March 30, 2004

Jerriann Ernstsén, Environmental Scientist II

Inspector ID Number: 52

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 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 checked="" type="checkbox"/>	<input type="checkbox"/>
4.a Hydrologic Balance: Diversions	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.b Hydrologic Balance: Sediment Ponds and Impoundments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.c Hydrologic Balance: Other Sediment Control Measures	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.d Hydrologic Balance: Water Monitoring	<input type="checkbox"/>	<input type="checkbox"/>	<input 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 type="checkbox"/>	<input type="checkbox"/>	<input 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 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"/>

3. Topsoil

Topsoil stockpile:

The primary goal was to monitor the cryptogam project located at the 4th East Portal topsoil pile.

On March 18, 2004, Priscilla Burton and Jerriann Ernstsens (DOGM) collected cryptogam colonies from the area proposed for construction of the new haul road. These colonies were transplanted to the 4th East Portal topsoil pile.

Equipment included:

- Back pack watering tank (3 gallon)
- Buckets (two 5 gallon)
- Small hand trowel
- Flat, stiff cardboard sheets
- Stakes and flagging

Collection procedure included:

- Locating colonies
- Watering undisturbed colonies
- Gently digging up colonies
- Placing colonies on cardboard sheets
- Transplanting colonies
- Watering transplanted colonies

The colonies were removed from the area proposed for construction of the new haul road. The area for the proposed road is east of the loadout and approximately 1.5 acres. Previous mining operations had covered an area directly east of the loadout with coal fines. There was, however, no or very little coal fine deposition on the southern portion of the 1.5 acres. This southern portion was where the majority of the cryptogams were still present.

Prewatering the undisturbed colonies helped reduce impact to the belowground fibers. The colonies were dug to about 3" below the surface and gently lifted to stiff, flat cardboard sheets.

Holes for the cryptogams were dug approximately the same depth and width as the desired sized colony patches (3" wide x 6-8" long). All of the holes faced primarily north-northeast and were on the slopes of the topsoil gouges. The Division gently tapped the colonies into the shallow holes and pressed soil against the colony patch edges.

The Division marked all patches with flagging. The 20 transplanted colony patches received a single water application. The sprayer was set for a fine spray mist to avoid soil erosion.

On March 22nd, Patrick Collins watered the patches. On March 23rd, the Emery Mine received rain.

On March 29, 2004, Jerriann returned to the site to monitor and water the cryptogams. The soil was dry. The air temperature was approximately 55-60 degrees F. There was a small amount of erosion around some of the patches, but all were still in place.

Jerriann watered the patches in 5 cycles, totaling 3 gallons. Applications included spraying water until just before apparent run-off, then allowing water to penetrate between applications. Following this procedure took about 0.5-.75 minutes and allowed the water to penetrate approximately 1" deep. It probably would have been best to apply at least another 3 gallons.

Jerriann has an assigned a numbering system for the project (could not paste into this site).

Road construction:

The second goal of the Division was to examine the 1.5-acre road construction project at the 4th East Portal. The Permittee had removed all vegetation. It seemed that there was still a lot of soil-looking media on the surface. In some areas, the depth of soil removal was around 2-3', while in other it was less.

The Permittee moved the topsoil from this 1.5-acre site to the southwest and northwest borders of the existing topsoil pile. This placement added about 3-4' to the borders.