



# State of Utah

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

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*PKL*  
*by*  
*[Signature]*

## INSPECTION REPORT

Partial XXX Complete      Exploration       
Inspection Date: 04/25/2002 Time: 10:00am-3:00pm  
Date of Last Inspection: 03/26/2002

Mine Name: Emery Deep Mine County: Emery Permit Number: C/015/015  
Permittee and/or Operator's Name: Consolidation Coal Company  
Business Address: P.O. Box 566, Sesser IL 62884/P.O. Box 527, Emery, Utah 84522  
Company Official(s): Seth McCourt  
State Official(s): Stephen J. Demczak, Priscilla Burton Federal Official(s): None  
Weather Conditions: Warm, 60's  
Type of Mining Activity: Underground XXX Surface      Prep Plant      Other       
Existing Acreage: Permitted 5180 Disturbed 247 Regraded      Seeded       
Status: Active

### 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 N/A.
  - b. For partial inspections check only the elements evaluated.
2. Document any noncompliance situation by referencing 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, Division Orders, and amendments.

	EVALUATED	N/A	COMMENTS	NOV/ENF
1. PERMITS, CHANGE, TRANSFER, RENEWAL, SALE	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. SIGNS AND MARKERS	<input type="checkbox"/>	<input 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. HYDROLOGIC BALANCE:				
a. DIVERSIONS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. SEDIMENT PONDS AND IMPOUNDMENTS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c. OTHER SEDIMENT CONTROL MEASURES	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d. WATER MONITORING	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e. 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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 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 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. ROADS:				
a. CONSTRUCTION/MAINTENANCE/SURFACING	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. DRAINAGE CONTROLS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. OTHER TRANSPORTATION FACILITIES	<input type="checkbox"/>	<input 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 (4 <sup>th</sup> Quarter- April, May, June)	<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 & INSURANCE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**INSPECTION REPORT**  
(Continuation Sheet)

PERMIT NUMBER: C/015/015

DATE OF INSPECTION: 04/25/2002

(COMMENTS ARE NUMBERED TO CORRESPOND WITH TOPICS LISTED ABOVE)

**1. PERMITS, CHANGE, TRANSFER, RENEWAL, SALE**

The permittee has submitted a 4<sup>th</sup> east blasting plan amendment to use five pounds or more of explosives per shot. It was reviewed and recommended for approval on May 1, 2002.

The 22-acre site of the 4<sup>th</sup> East Portal breakout was toured. The site is distinct for its location on the edge of the San Rafael swell. Desert vegetation (*Hillaria*, *Opuntia*, *Yucca*) and small junipers predominate the sandy landscape. A slickrock drainage runs through the site and will be directly impacted by the proposed breakout. The wetlands below the slickrock drainage were vegetated by saltgrass and willows. Evidently, cattle utilize the wetland area. Photographs were taken of the site and are located in O: 015015.emc/IMAGES/04252002.

Alternatives to impacting the wetland were discussed, including moving the disturbed area southward. Blasting of the slickrock to enable salvage of large portions of the rock for use in reclamation was proposed by Ms. Burton. The final location of the drainage (in reclamation) was also discussed.

**3. TOPSOIL**

The topsoil pile at pond #8 was inspected. There were no signs of wind or water erosion taking place on the pile. No vegetation was observed growing on the soil pile. There was vegetation growing at the base of the pile where water collects.

**4A. HYDROLOGIC BALANCE: DIVERSIONS**

The diversions were constructed as designed. No water was flowing within these ditches during the inspection.

**4B. HYDROLOGIC BALANCE: SEDIMENT PONDS AND IMPOUNDMENTS**

The sediment ponds were inspected with no hazardous conditions noticed.

**4D. HYDROLOGIC BALANCE: WATER MONITORING**

The permittee has entered 4<sup>th</sup> quarter water monitoring data into the Electronic Water Data system. The permittee will be taking second quarter water samples by the end of the quarter. The first quarter water analysis is being entered into the water database.

**7. COAL MINE WASTE/REFUSE PILES/IMPOUNDMENTS**

The refuse pile was inspected with no hazardous conditions noticed. No new material has been placed on this refuse piles for approximately 10 years.

**8. NONCOAL WASTE**

The disturbed area was free of noncoal waste material. Currently, the material is being stored in a cut slope, as required in the MRP.

INSPECTION REPORT  
(Continuation Sheet)

PERMIT NUMBER: C/015/015

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13. REVEGETATION

The demonstration test plot was briefly observed and photographed. The demonstration test plot was constructed in 1984 and reworked in 1987 in an effort to determine successful revegetation techniques for use on subsoils derived from the Mancos Shale. The chemical characteristics of the soils in this plot are described with the Vegetation Data in the 1991 Annual Report. They are extremely sodic, with average values in the top six inches of 9.3 pH and 19.8 SAR. The variables tested in the plots were:

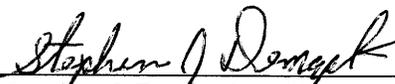
- topsoil and no topsoil treatments;
- irrigation and no irrigation treatments;
- mulch and no mulch treatments;
- furrows and no furrows; and
- mature versus containerized transplants.

The demonstration test plots were evaluated in 1989 and 1990 by Richard Denning and David Larson of Consolidation Coal Company. The results of the evaluation are included in the Annual Reports for 1988 and 1989. Mortality of transplants and containerized plants was high. At the end of the monitoring period, the 33% of the mature transplants survived and 10% of the containerized transplants were living. The most successful plots were those that received mulch and contained shallow depressions. Thus, the test plots emphasize that the most important variable is the availability of water. Water not only irrigates the plants, but also leaches the salts from the soil.

18. SUPPORT FACILITIES/UTILITY INSTALLATIONS

No new construction has taken place.

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

  
Stephen J. Demczak #29

Date: May 1, 2002

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

cc: James Fulton, OSM  
Tim Kirschbaum, Consol, Illinois  
Steve Behling, Consol, Emery  
Price Field office

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