



# State of Utah

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

*JK for Joe Helfrich*

Michael O. Leavitt  
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## INSPECTION REPORT

Partial:  Complete:  Exploration:   
Inspection Date & Time: September 26, 1997 11:00 am to 4:30 pm  
Date of Last Inspection: June 18, 1997

Mine Name: Emery Deep Mine County: Carbon Permit Number: ACT/015/015  
Permittee and/or Operator's Name: Consolidation Coal Company  
Business Address: P.O. Box 527, Emery, Utah 81434  
Type of Mining Activity: Underground  Surface  Prep. Plant  Other   
State Official(s): David W. Darby  
Company Official(s): Steve Behling  
Federal Official(s): None  
Weather Conditions: Warm, clear  
Existing Acreage: Permitted-5180 Disturbed-40 Regraded-2.7 Seeded-2.7 Bonded-270  
Increased/Decreased: Permitted-  Disturbed-  Regraded-  Seeded-  Bonded-   
Status: Exploration /  Active /  Inactive /  Temporary Cessation /  Bond Forfeiture  
Reclamation (Phase I /  Phase II /  Final Bond Release /  Liability Year)

### REVIEW OF PERMIT, PERFORMANCE STANDARDS & PERMIT CONDITION REQUIREMENTS

#### Instructions

- Substantiate the elements on this inspection by checking the appropriate performance standard.
  - 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.
  - For **partial inspections** check only the elements evaluated.
- Document any noncompliance situation by referencing the NOV issued at the appropriate performance standard listed below.
- Reference any narratives written in conjunction with this inspection at the appropriate performance standard listed below.
- 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3. TOPSOIL	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input 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 checked="" 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5. EXPLOSIVES	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. DISPOSAL OF EXCESS SPOIL/FILLS/BENCHES	<input checked="" 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 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 VALUES	<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 type="checkbox"/>	<input type="checkbox"/>
11. CONTEMPORANEOUS RECLAMATION	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12. BACKFILLING AND GRADING	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13. REVEGETATION	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14. SUBSIDENCE CONTROL	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15. CESSATION OF OPERATIONS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16. ROADS:				
a. CONSTRUCTION/MAINTENANCE/SURFACING	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. DRAINAGE CONTROLS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
17. OTHER TRANSPORTATION FACILITIES	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
18. SUPPORT FACILITIES/UTILITY INSTALLATIONS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
19. AVS CHECK (4th Quarter-April, May, June)_____ (date)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
20. AIR QUALITY PERMIT	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
21. BONDING & INSURANCE	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

INSPECTION REPORT

(Continuation sheet)

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PERMIT NUMBER: ACT/015/015

DATE OF INSPECTION: September 26, 1997

(Comments are Numbered to Correspond with Topics Listed Above)

**General Comments**

It was obvious as I drove onto the minesite that heavy rainstorms had hit the area. Several small rills had developed on the slopes adjacent to and on the minesite. Steve stated that they had received several rainstorms since July. A couple were exceptionally large. As we drove around the site I noticed the high water line along Christiansen Wash. Steve Pointed out that it had almost overflowed its banks onto the minesite. The high water line, evident from debris along the bank, was approximately 15 feet higher than it was during the inspection.

Consols previously submitted amendment (AM95B), is still pending a decision on rulemaking by the BLM. to their mine plan on September 14, 1995. As mentioned in a previous inspection reports, the Bureau of Land Management is currently revising the rules defining Logical Mining Units (LMU). Steve stated that he has not heard from the BLM.

**2. Signs and Markers**

All signs and markers are properly posted at the site.

**4. Hydrologic Balance**

**4a. Diversions**

All diversion structures were checked to ensure proper flow conditions, all were satisfactory. Steve pointed out that repairs had been conducted due to the numerous rainstorms. One section of the refuse pile berm had washed out during a some in July. Steve submitted a letter identifying the storm to be in excess of the design event. No water was flowing off of the disturbed areas of the minesite. And all diversions appeared to be clean and functioning well.

**4b. Sedimentation Pond**

All sedimentation ponds were observed. Pond #2 was empty and Pond #3 contained just a small amount of water. Pond 5 captures runoff from an area that was planned for development but has yet to be disturbed. Pond #5 was full of water, but had not overflowed. Steve took a sample of the pond water was still waiting for the results. The last quarterly pond inspections were conducted on September 16th and 17th.

**4d. Water Monitoring**

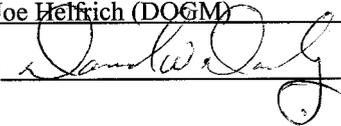
Water monitoring had been conducted for all months during the quarter. Sampling was conducted on surface water sites on September 10 and on groundwater sites on September 8. The results were not back from the lab. Sampling information and field data were recorded in Steve's notebook. A parameters monitored for the previous were within standard limits.

**4 e. Effluent Limitations**

All monthly site sampling were completed by the operator. No UPDES discharges exceeded their limits during the quarter. UPDES sampling was conducted during the quarter on July 1st and 15th, August 1st and 15th, and September 1st and 15th. Ponds 001 and 003, the mine water discharge ponds, are the only two ponds that discharged.

Copy of this Report:

Mailed to: James Fulton (OSM, Denver), Tim Kirshbaum (Consol), Steve Behling (Emery Deep Mine)  
Given to: Joe Helfrich (DOGM)

Inspector's Signature:  David W. Darby #47 Date: 10/24/97



Consolidation Coal Company  
Emery Mine  
P. O. Box 527  
Emery, Utah 84522  
(801) 286-2301  
AUGUST 19, 1997

Director Division of Water Quality  
Utah Department of Environmental Quality  
Division of Water Quality  
288 North 1460 West  
Post Office Box 144870  
Salt Lake City, Utah 84114-4870 .

Re: July 1997 Discharge Monitoring  
Reports for UPDES Permit No. UT0022616

Dear Sir/Madam

I have enclosed a copy of Consolidation Coal Company's Emery Deep Mine UPDES Discharge Monitoring Reports for the reporting period from July 1, 1997 through July 31, 1997.

Outfalls 002, 004, 005, 006, and 008 did not discharge during the reporting period. Discharge Monitoring Reports for these outfalls are designated as "No Discharge". We have not received any preprinted forms for 008.

Outfall 007 is a sedimentation pond that only receives stormwater runoff. This outfall discharged on July 29, 1997 as a result of the following rainfall event. A 2.27 inch rainfall was recorded at Emery, Utah from 7:00 p.m. on July 27th thru 10:20 p.m. on July 28th. Most of the event occurred during the morning and evening of July 28th with 1.27 inches of rain falling from 9:40 p.m. to 10:20 p.m. on July 28th. During a conversation with the weather spotter for the National Weather Service in Emery, he stated that most of the rainfall came between 8:00a.m. on the 28th and 12:00 a.m. on the 29th. This event most likely exceeded the 1.7 inches of rain required to qualify as a 10 year 24 hour storm event. A sample was taken from the discharge point of outfall 007 and was analyzed for settleable solids and the parameters identified under Part I.D.1. as required in Part I.D.4. of the permit. The analytical report from Commercial Testing & Engineering is attached. This was the only discharge from outfall 007 for the month of July.

If you have any questions or comments, please contact me at your convenience. "I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations".

If you have any questions with regard to this matter, please contact John Gefferth at (618) 625-6850 or Steve Behling at (801) 286-2301.

Sincerely,

Stephen R. Behling  
General Mine Foreman

c:\npdes\updesrep.win  
Enclosures

cc: Director, Utah Division of Oil, Gas & Mining  
John Gefferth  
NPDES File