



# State of Utah

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

## INSPECTION REPORT

SW  
by  
SO

Michael O. Leavitt  
Governor  
Kathleen Clarke  
Executive Director  
Lowell P. Braxton  
Division Director

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PO Box 145801  
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801-538-5340  
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801-538-7223 (TDD)

Partial: \_\_\_\_\_ Complete: XXX Exploration: \_\_\_\_\_  
Inspection Date & Time: 1/7/2000 / 10:00a.m.-3:00p.m.  
Date of Last Inspection: 10/16/2000

Mine Name: Crandall Canyon Mine County: Emery Permit Number: ACT/015/032  
Permittee and/or Operator's Name: Genwal Resources, Inc.  
Business Address: P.O. Box 1420, Huntington, Utah 84528  
Type of Mining Activity: Underground XXX Surface \_\_\_\_\_ Prep. Plant \_\_\_\_\_ Other \_\_\_\_\_  
Company Official(s): Gary Gray  
State Official(s): Bill Malencik Federal Official(s): None  
Weather Conditions: Clear, Cold, 40's  
Existing Acreage: Permitted 5195.8 Disturbed 10.7 Regraded \_\_\_\_\_ Seeded \_\_\_\_\_  
Status: Exploration \_\_\_\_\_ Active XXX Inactive \_\_\_\_\_ Temporary Cessation \_\_\_\_\_ Bond Forfeiture \_\_\_\_\_  
Reclamation (Phase I \_\_\_\_\_ Phase II \_\_\_\_\_ Final Bond Release \_\_\_\_\_ Liability \_\_\_\_\_ Year \_\_\_\_\_)

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

- 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 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 checked="" type="checkbox"/>	<input type="checkbox"/>
d. WATER MONITORING	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e. EFFLUENT LIMITATIONS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input 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 checked="" 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 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 checked="" type="checkbox"/>	<input type="checkbox"/>
19. AVS CHECK (4 <sup>th</sup> Quarter- April, May, June)	<input checked="" type="checkbox"/>	<input 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 checked="" type="checkbox"/>	<input type="checkbox"/>

**INSPECTION REPORT**  
(Continuation sheet)

PERMIT NUMBER: ACT/015/032

DATE OF INSPECTION: 11/7/2000

( COMMENTS ARE NUMBERED TO CORRESPOND WITH TOPICS LISTED ABOVE )

**GENERAL COMMENTS**

There was snow on the north side at the mine. Two areas were noted for routine maintenance in the last inspection.

- Non-coal waste was in need of routine maintenance. Most appeared to be items that blew out of the coal waste storage area.
- On the lower topsoil pile, a segment of the silt fence needed routine maintenance.
- Both of these items were taken care of immediately.

The mid-term is scheduled for November 21, 2000.

- Division Order DO99A on water monitoring was approved by the Division on November 1, 2000. This included Table 7-10: 14 springs, 11 in-mine wells, 5 streams, and 2 UPDES permits.

Crandall Canyon was one of the mines selected for the joint OSM/DOGM highwall study. Wayne Western wrote an internal memo on March 13, 2000 and recommended OSM be notified. The Division appears not to have notified OSM even though the most recent memo is indicative that this may have been overlooked. This is my opinion and it will be discussed at mid-term on 11/21/2000.

The reclamation agreement and the MRP do not agree. The reclamation agreement lists the disturbed area as 10.7 acres vs the MRP that lists the disturbed acres as 10.2 acres. Gary Gray is looking into this matter and hopefully it will be resolved at the mid-term.

Coal mining has been approved by the Division of Air Quality for 4 million tons per year.

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

The DOGM permit is effective September 28, 1999 and expires May 21, 2003. USFS has several special use permits that are described in the MRP.

**2. SIGNS AND MARKERS**

Identification signs meet the requirements of the R645 Coal Rules.

The perimeter markers were spot-checked and are located around the perimeter of the disturbed areas. The permittee has stream buffer zone signs placed within the disturbed area. Topsoil ID signs are located on the topsoil piles as required in the R645 Coal Rules.

**3. TOPSOIL**

The topsoil piles were inspected with no signs of wind or water erosion. These piles are protected by berms and/or silt fences. Grass has started to grow on the newest topsoil pile.

**4A. HYDROLOGIC BALANCE: DIVERSIONS**

The diversions were spot-checked and were found to comply with the requirements of the Mining and Reclamation Plan and the R645 Coal Rules performance standards.

INSPECTION REPORT  
(Continuation sheet)

PERMIT NUMBER: ACT/015/032

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

The sediment pond was not discharging during the inspection and the water level was low. There were no signs of any hazardous conditions occurring to the sediment ponds during the inspection. The Annual Sediment Pond inspection was done on December 27, 1999. The pond was inspected for the fourth quarter on October 25, 2000.

**4C. HYDROLOGIC BALANCE: OTHER SEDIMENT CONTROL MEASURES**

DMR for September were included in the submission to the Division by electronic mail. UPDES permit was reissued with a new point of diversion. The change is from the bottom of the 72" culvert to a more accessible point above the road.

**8. NONCOAL WASTE**

Some small non-coal waste was noted. Mr. Gray stated he would notify the surface foreman about this problem. This material is being stored in dumpsters and concrete storage bins.

**18. SUPPORT FACILITIES/UTILITY INSTALLATIONS**

Observed the surface facilities and the comparison with the approved map was checked and was found to be correct.

**21. BONDING AND INSURANCE**

The bond has been updated to \$1,654,000.00. The liability insurance expires July 1, 2001.

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

  
Wm. J. Malencik #26

Date: November 8, 2000

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

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Enc: Memo from Pat Collins  
cc: James Fulton, OSM  
Gary Gray, Genwal  
Price Field office

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October 31, 2000

Gary Gray  
GENWAL COAL COMPANY  
195 North 100 West  
P.O. Box 1420  
Huntington, UT 84528

**RE: Topsoil Piles - Sediment Control**

Dear Mr. Gray:

You asked me to comment on the plant cover of four (4) topsoil piles located near Crandall Canyon Mine. It was your objective to have the vegetation sampled on these four piles to provide evidence to show adequate erosion control from the established vegetative cover to warrant removal of the sediment control structures (straw bales and silt fences).

We visited these sites on October 27, 2000. Although it was too late in the growing season to sample the vegetation by quantitative methods accurately, qualitative data were recorded. Photographs of each pile were also taken on the same day. In my opinion most, if not all, of the piles have cover that meets or exceeds the cover of the adjacent undisturbed plant communities. The only exception may be Topsoil Pile No. 4. A portion of this pile was seeded more recently and the cover was not as high as the other piles. The following cover estimates were recorded using qualitative methods:

<u>Topsoil Pile No.</u>	<u>Cover Estimate</u>
1	80%
2	75%
3	60%
4	60%
	45% (more recent seeding)

In summary, all the piles (with the possible aforementioned exception) should have greater total cover when compared to the native, undisturbed plant communities in the area. With this in mind, erosion control using the established cover should be adequate to control erosion without the silt fences and straw bales. I will sample these topsoil piles again early in the growing season of 2001 to provide quantitative data that should verify this statement.

Please call if you have questions or comments.

Sincerely,

Patrick D. Collins, Ph.D.  
Botanist/Environmental Consultant