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State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

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INSPECTION REPORT

Partial: X Complete: Exploration:
Inspection Date & Time: August 17, 1995 10:00am-4:00pm
Date of Last Inspection: 07/12/95

Mine Name: Crandall Canyon Mine County: Carbon Permit Number: ACT/015/032
Permittee and/or Operator's Name: Genwall Coal Company
Business Address: P.O. Box 1210, Huntington, Utah 84501
Type of Mining Activity: Underground X Surface Prep. Plant Other
State Official(s): David W. Darby
Company Official(s): Randy Gainer
Federal Official(s): None
Existing Acreage: Permitted- 2165.42 Disturbed- 5.55 Regraded- .5 Seeded- .5 Bonded- 5.55
Increased/Decreased: Permitted- 0 Disturbed- 0 Regraded- 0 Seeded- 0 Bonded- 0
Status: Exploration/ X 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 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 type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d. WATER MONITORING	<input type="checkbox"/>	<input type="checkbox"/>	<input 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 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 VALUES	<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 checked="" 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"/>
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 (4th Quarter-April, May, June) _____ (date)	<input type="checkbox"/>	<input checked="" 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)

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PERMIT NUMBER: ACT/015/032

DATE OF INSPECTION: 8-17-95

(Comments are Numbered to Correspond with Topics Listed Above)

1. PERMITS, CHANGE, TRANSFER, RENEWAL, SALE

Randy previously submitted plans to change the approved longwall mining plans of State Lease ML-21568 and Federal Lease UTU-68082. Transmittal letters were sent to other agencies on August 8, 1995 requesting their concerns and comments on the proposed operation. They were asked to respond by August 31, 1995.

4. HYDROLOGIC BALANCE

a. DIVERSIONS

All disturbed and undisturbed diversions were evaluated for stability and integrity. All diversions on the mine pad and access road were functioning well with no obstructions or breaches.

b. SEDIMENTATION PONDS AND IMPOUNDMENTS

A Notice of Violation, N-95-47-1-1, was issued to the operator under State regulations R645-300-143, Failure to conduct mining activities according to the approved plan. The violation was issued because visual evaluation indicated that the elevation of the emergency spillway was above a portion of the sedimentation pond embankment. This situation could result in embankment failure if a precipitation event exceeding the capacity of the primary spillway occurred. An event of that magnitude is likely in this region where localized summer thunder storms drop large quantities of rainfall in short periods of time.

The pond was full of water. Occasionally, water is still being pumped from the pond into the mine.

18. SUPPORT FACILITIES

Genwal has been meeting with federal and state agencies to acquire input on the design and requirements for installing a culvert system in the stream channel. The major amendment calls for an 1100 ft culvert system along the stream channel. The pad would be enlarged to accommodate the coal extracted from the proposed mine lease application area.

Prior to the inspection Randy Gainer met with Greg Mladanka and Mark Page from the Utah Division of Water Rights to discuss the plans for the culvert. Previous to evaluating the site, I had talked to Randy Harden, P. E. at DOGM. He suggested that the operator use a half round or box culvert to support transport of the creek under the proposed mine pad. The advantages of these types of culverts are that they would protect the substrate of the stream channel over the life of the structure and reduce the rehabilitation and recovery time of the stream after reclamation of the stream.

Copy of this Report:

Mailed to: James Fulton (OSM, Denver), Art Abbs (OSM, Albuquerque), Randy Gainer (Genwal)

Given to: Joe Helfrich (DOGM)

Inspector's Signature: David W. Darby David W. Darby # 47 Date: 7-12-95

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Due to the width and steepness of the canyon walls, it is questionable if the open bottom culvert is feasible. Placement of the footing to support the culvert would require operating heavy equipment in small, steep and tight areas that could disrupt the stream channel. To avoid the impact the culvert would have to span a wide area across the stream. The pad will be designed to hold and store exceptionally heavy loads. A culvert system constructed to carry the equipment, structures and materials would be an immense structure.

Randy Gainer stated that the company intended to clear the vegetation, strip the surface of soil and cover the area with a fabric blanket to establish a barrier for reclamation boundary below which would not be disturbed during reclamation.

The culvert proposed in the stream alteration submittal could generate high velocities which could cause extensive erosion down stream if not properly controlled.

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