



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

DR #

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INSPECTION REPORT
Partial: X Complete: Exploration:
Inspection Date & Time: October 13, 1999, 10:10 AM to 12:30 PM
Date of Last Inspection: September 23, 1999

Mine Name: Hiawatha Complex County: Carbon Permit Number: ACT/007/011⁵
 Permittee and/or Operator's Name: Hiawatha Coal Company
 Business Address: P. O. Box 1202, Huntington, Utah 84528
 Type of Mining Activity: Underground X Surface Prep. Plant Other
 State Officials(s): Paul Baker and Bob Davidson
 Company Official(s): Charles Reynolds and Elliott Finley
 Federal Official(s): None
 Weather Conditions: Clear, 60's
 Existing Acreage: Permitted- 12707 Disturbed- 290 Regraded- Seeded- Bonded- 290
 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

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.

	<u>EVALUATED</u>	<u>N/A</u>	<u>COMMENTS</u>	<u>NOV/ENF</u>
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 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 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 checked="" 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 checked="" 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"/>
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 (4th Quarter-April, May, June)_(date)	<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)

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PERMIT NUMBER: ACT/007/011

DATE OF INSPECTION: October 13, 1999

(Comments are Numbered to Correspond with Topics Listed Above)

1. Permits, Change, Transfer, Renewal, Sale

The Division is in the process of reviewing responses to Division Orders 97A and 99A. The Division is also conducting a mid-term review (see September inspection report).

3. Topsoil

The operator is in the process of spreading soil on slurry pond 5.

4. Hydrologic Balance

a. Diversions

b. Sediment Ponds and Impoundments

Part of the response to Division Order 97A now includes a proposal to remove sediment pond 005 which is on the east side of slurry pond 4/refuse pile 2. We talked about how this would be done and about how ditch DD-1 would be installed. As shown in the current plan, this ditch would have to cross a swale in borrow area F on its way to Miller Creek. Because this is not very practical, we discussed some different options for handling this runoff, including allowing runoff from the slurry pond/refuse pile to flow overland and directing other runoff down the ditches next to the highway.

We took a few measurements of vegetation on slurry pond 4/refuse pile 2 to get an idea how much cover there is compared to the sagebrush/grass reference area and whether it looks like there is enough cover that sediment pond 005 can be removed. We made ocular estimates of cover in an area that appeared to have less cover than the rest of this reclaimed area. The average cover was 38.4%, and this compares with 30.6% cover for the corresponding reference area. We made no attempt to achieve a minimum sample size, to place the transects randomly, or to take measurements over the entire area. Nevertheless, it appears the slurry pond/refuse pile have enough vegetation that the sediment pond can be removed.

Before the pond is removed, Hiawatha Coal needs to have an approved amendment showing the pond as being removed and also showing where drainage will go.

13. Revegetation

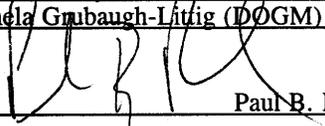
We looked at vegetation on borrow area F because I have been concerned some is not as dense as I would expect. It appears the reason is the high rock content in those areas with less vegetation. There are few weeds in this area. Mr. Davidson and I do not want the operator to take drastic measures to try to correct the problem, but we suggested he consider applying some composted sewage sludge over a small portion of the area to see if the vegetation would benefit.

I have been concerned for some time about the lack of vegetation on part of slurry pond 5. We talked about the years in which some of the seeding took place, and it now appears the area where vegetation has not become established was not seeded. This area needs to be seeded. It has a lot of weeds that have now set seed, so there will be a lot of competition when the seeded plants germinate.

Copy of this Report:

Mailed to: Elliot Finley (Hiawatha Coal Co.), James Fulton (OSM)

Given to: Pamela Grubaugh-Litig (DOGM)

Inspector's Signature: 

Paul B. Baker #41

Date: October 14, 1999