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State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

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Michael O. Leavitt
Governor

Lowell P. Braxton
Division Director

INSPECTION REPORT

Partial:_ Complete: X Exploration:_
Inspection Date & Time: August 28, 1998, 8:00 AM to 12:00 PM
Date of Last Inspection: July 16, 1998

Mine Name: Hiawatha Complex County: Carbon Permit Number: **ACT/007/011**
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
Company Official(s): Charles Reynolds and Aldon Gustafson
Federal Official(s): None
Weather Conditions: Clear, 60's to 80'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.

		EVALUATED	N/A	COMMENTS	NOV/ENF
1.	PERMITS, CHANGE, TRANSFER, RENEWAL, SALE	[X]	[]	[X]	[]
2.	SIGNS AND MARKERS	[X]	[]	[]	[]
3.	TOPSOIL	[X]	[]	[X]	[]
4.	HYDROLOGIC BALANCE:				
a.	DIVERSIONS	[X]	[]	[X]	[]
b.	SEDIMENT PONDS AND IMPOUNDMENTS	[X]	[]	[]	[]
c.	OTHER SEDIMENT CONTROL MEASURES	[X]	[]	[]	[]
d.	WATER MONITORING	[X]	[]	[X]	[]
e.	EFFLUENT LIMITATIONS	[X]	[]	[]	[]
5.	EXPLOSIVES	[]	[X]	[]	[]
6.	DISPOSAL OF EXCESS SPOIL/FILLS/BENCHES	[]	[X]	[]	[]
7.	COAL MINE WASTE/REFUSE PILES/IMPOUNDMENTS	[X]	[]	[]	[]
8.	NONCOAL WASTE	[X]	[]	[]	[]
9.	PROTECTION OF FISH, WILDLIFE AND RELATED ENVIRONMENTAL VALUES	[X]	[]	[]	[]
10.	SLIDES AND OTHER DAMAGE	[]	[X]	[]	[]
11.	CONTEMPORANEOUS RECLAMATION	[X]	[]	[]	[]
12.	BACKFILLING AND GRADING	[X]	[]	[]	[]
13.	REVEGETATION	[X]	[]	[X]	[]
14.	SUBSIDENCE CONTROL	[X]	[]	[]	[]
15.	CESSATION OF OPERATIONS	[]	[X]	[]	[]
16.	ROADS:				
a.	CONSTRUCTION/MAINTENANCE/SURFACING	[X]	[]	[]	[]
b.	DRAINAGE CONTROLS	[X]	[]	[]	[]
17.	OTHER TRANSPORTATION FACILITIES	[X]	[]	[]	[]
18.	SUPPORT FACILITIES/UTILITY INSTALLATIONS	[X]	[]	[]	[]
19.	AVS CHECK (4th Quarter-April, May, June)_(date)	[]	[]	[]	[]
20.	AIR QUALITY PERMIT	[X]	[]	[]	[]
21.	BONDING & INSURANCE	[X]	[]	[]	[]

INSPECTION REPORT

(Continuation sheet)
PERMIT NUMBER: ACT/007/011 DATE OF INSPECTION: August 28, 1998
(Comments are Numbered to Correspond with Topics Listed Above)

1. Permits, Change, Transfer, Renewal, Sale

On August 21, 1998, the Division received the last of the most recent series of submittals intended to satisfy the requirements of Division Order 97A. The Division is reviewing this amendment.

In association with the Division Order, the permittee submitted a separate amendment to modify the grading plan for slurry pond 5. This is being reviewed separately because the permittee desires to finish putting topsoil on the slurry pond this fall.

3. Topsoil

There are a few places on the southeast side of slurry pond 5 where topsoil has not been placed. They are relatively small, and some could wait until the ditch and pond are reclaimed. However, the larger areas should be done now.

4. Hydrologic Balance

a. Diversions

The report for the June inspection mentions a ditch on the northwest side of slurry pond 4 where water had eroded into the refuse about six feet. Mr. Reynolds informed me the most recent submittal for Division Order 97A has a plan to take care of this problem. The disturbed area would be expanded to include the outslope of the old slurry pond 2. The ditch could then descend over a longer distance and would not need to be as steep. Also, a pre-law area that is contributing coal fines to Miller Creek would be reclaimed.

It was apparent there had been some recent heavy rain in South Fork, and some of the drainage control structures need maintenance. In particular, there is a culvert under the access road to the loadout that needs to be cleared.

The berm around the lower pad is low in places and should be built up. There is a short piece of culvert(identified on the new --not yet approved--Exhibit VII-18B as culvert 16) through this berm, and it looks like it used to have an elephant trunk attached to it. The elephant trunk has deteriorated to where it is not functional, and the slope below the culvert has been eroding. The permittee needs to find a solution to this problem, such as extending the culvert or putting a new elephant trunk on it.

It appears from the new Exhibit VII-18B that there should be a ditch along the old conveyor in South Fork. This ditch needs to be better defined since it looked like much of the water that should have flowed down this ditch went down the road instead. I saw no evidence of off-site environmental damage from this or any of the previously-mentioned problems.

d. Water Monitoring

There are some inconsistencies in the water monitoring report. The field conductivity measurement for spring SP-4 was 628 mmhos/cm, but the lab reported total dissolved solids as only 112 ppm. Similarly for SP-12, conductivity was measured as 647, but the lab reported TDS as 116 ppm. This appears to be an error in the lab result, but it is not possible to re-analyze the sample since the maximum holding time is 14 days. The permittee needs to check sample results to be sure they are consistent. Although doing the cation/anion balance is not required, I recommended the permittee ask the lab to do this check of the results.

13. Revegetation

In most areas seeded over the last few years, seeded species are doing reasonably well. I am concerned about the south side of slurry pond 5. In this area, there is little growing other than Russian thistle. While I am not yet recommending reseeding this area, it may be necessary.

Copy of this Report:
Mailed to: Elliott Finley (Hiawatha Coal Co.), James Fulton (OSM)
Given to: Joe Helfrich (DOGM)

Inspector's Signature: Paul B. Baker #41 Date: September 3, 1998