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State of Utah
DEPARTMENT OF NATURAL RESOURCES
MICHAEL R. STYLER
Executive Director
Division of Oil, Gas and Mining
JOHN R. BAZA
Division Director

Inspection Report

Permit Number:	C0070011
Inspection Type:	TECHNICAL
Inspection Date:	Monday, July 15, 2013
Start Date/Time:	7/15/2013 2:00:00 PM
End Date/Time:	7/18/2013 1:00:00 PM
Last Inspection:	Thursday, June 06, 2013

Inspector: Priscilla Burton,

Weather: storm clouds, lightening, rain drops

InspectionID Report Number: 3547

Accepted by: jhelfric
7/29/2013

Representatives Present During the Inspection:	
OGM	Priscilla Burton
Company	Charles Reynolds

Permitee: **HIAWATHA COAL CO INC**
Operator: **HIAWATHA COAL CO INC**
Site: **HIAWATHA MINE**
Address: **PO BOX 1240, HUNTINGTON UT 84528**
County: **CARBON**
Permit Type: **PERMANENT COAL PROGRAM**
Permit Status: **ACTIVE**

Current Acreages

12,177.00	**Total Permitted**
290.00	**Total Disturbed**
95.90	**Phase I**
	Phase II
	Phase III

Mineral Ownership

- [x] **Federal**
- [x] **State**
- [ ] **County**
- [x] **Fee**
- [ ] **Other**

Types of Operations

- [x] **Underground**
- [ ] **Surface**
- [ ] **Loadout**
- [ ] **Processing**
- [ ] **Reprocessing**

Report summary and status for pending enforcement actions, permit conditions, Division Orders, and amendments:

Evaluated the potential for soil recovery from the Pond 5A access road construction.

Inspector's Signature: Priscilla Burton,
Inspector ID Number: 37

Digitally signed by Priscilla Burton
DN: cn=Priscilla Burton, o, ou, email=priscillaburton@utah.gov, c=US
Date: 2013.08.05 15:21:12 -06'00'

Date Thursday, July 18, 2013

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

REVIEW OF PERMIT, PERFORMANCE STANDARDS PERMIT CONDITION REQUIREMENTS

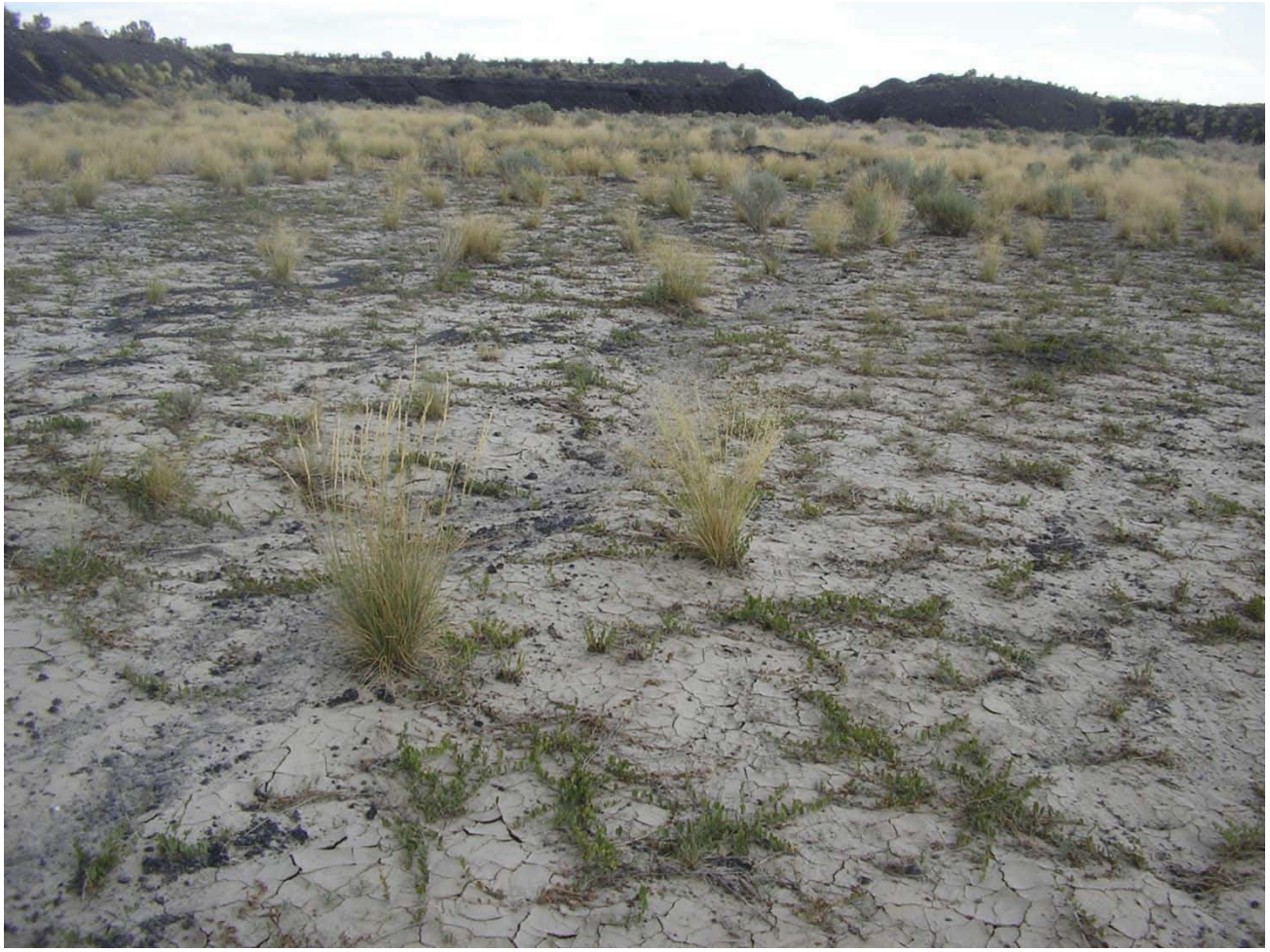
1. *Substantiate the elements on this inspection by checking the appropriate performance standard.*
   a. *For COMPLETE inspections provide narrative justification for any elements not fully inspected unless element is not appropriate to the site, in which case check Not Applicable.*
   b. *For PARTIAL inspections check only the elements evaluated.*
2. *Document any noncompliance situation by reference the NOV issued at the appropriate performance standard listed below.*
3. *Reference any narratives written in conjunction with this inspection at the appropriate performace standard listed below.*
4. *Provide a brief status report for all pending enforcement actions, permit conditions, Divison Orders, and amendments.*

	Evaluated	Not Applicable	Comment	Enforcement
1. Permits, Change, Transfer, Renewal, Sale	☐	☐	☐	☐
2. Signs and Markers	☐	☐	☐	☐
3. Topsoil	☑	☐	☑	☐
4.a Hydrologic Balance: Diversions	☐	☐	☐	☐
4.b Hydrologic Balance: Sediment Ponds and Impoundments	☐	☐	☐	☐
4.c Hydrologic Balance: Other Sediment Control Measures	☐	☐	☐	☐
4.d Hydrologic Balance: Water Monitoring	☐	☐	☐	☐
4.e Hydrologic Balance: Effluent Limitations	☐	☐	☐	☐
5. Explosives	☐	☐	☐	☐
6. Disposal of Excess Spoil, Fills, Benches	☐	☐	☐	☐
7. Coal Mine Waste, Refuse Piles, Impoundments	☐	☐	☐	☐
8. Noncoal Waste	☐	☐	☐	☐
9. Protection of Fish, Wildlife and Related Environmental Issues	☐	☐	☐	☐
10. Slides and Other Damage	☐	☐	☐	☐
11. Contemporaneous Reclamation	☐	☐	☐	☐
12. Backfilling And Grading	☐	☐	☐	☐
13. Revegetation	☐	☐	☐	☐
14. Subsidence Control	☐	☐	☐	☐
15. Cessation of Operations	☐	☐	☐	☐
16.a Roads: Construction, Maintenance, Surfacing	☐	☐	☐	☐
16.b Roads: Drainage Controls	☐	☐	☐	☐
17. Other Transportation Facilities	☐	☐	☐	☐
18. Support Facilities, Utility Installations	☐	☐	☐	☐
19. AVS Check	☐	☐	☐	☐
20. Air Quality Permit	☐	☐	☐	☐
21. Bonding and Insurance	☐	☐	☐	☐
22. Other	☐	☐	☐	☐

3. Topsoil

Vegetation growing around and in Pond 5A includes sunflower, wheat grass, Indian rice grass, salt bush, sage brush, halogeton, russian thistle, morning glory, an unidentified herb. This vegetation will be grubbed before construction of the access road into pond 5A for the approved remining of the coal fines (June 25, 2013, Task 4371). Subsoil was noted buried about three ft. deep in the drainage carved by flow from the existing culvert. I evaluated soil conditions along the path of the access road and in Pond 5A to determine whether topsoil could be salvaged from the area (per MRP Section 231.100). Using an auger, I found there was a mixture of coal fines and soil down to about 18 inches in all locations sampled (except near a tree where soil was buried beneath 6 inches of coal fines). The coal mixuture was dry and granular in texture and an auger hole deeper than 18 inches was difficult to dig. In Pond 5A, there is a surface layer approximately 1/4 inch thick of clay which covers the coal fines and prevents wind erosion. (This surface film of clay was carried down from the surrounding area by water.) In the low points of pond 5A, more moisture allowed a deeper auger hole. The greater depth did not reveal any soil. Mr. Reynolds and I agreed that in grading the road and pond 5A, the surface coal/soil mixture would be moved aside to form a berm. The mixture would be returned to the location of origin during reclamation.


7/15/2013
N
Current Track: 15 JUL 2013 14:23
Image State of Utah
Google earth
Imagery Date: 12/31/2005 39°29'00.40" N 111°00'15.06" W elev 7154 ft eye alt 8247 ft



Looking East in Hiawatha Pond 5A.

Looking West in Pond 5A

Clay sediment covers the pond surface to a 1/4 inch depth.

coal fines and sediment are thoroughly mixed on the site perimeter.

Buried soil 6 inches at one isolated location (on a mound, near a tree).

Remaining soil auger holes did not reach soil within 18 inches.