



State of Utah

Department of Natural Resources

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas & Mining

JOHN R. BAZA
Division Director

JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

Representatives Present During the Inspection:	
OGM	Pete Hess Environmental Scientist III

Inspection Report

Permit Number:	C0070045
Inspection Type:	COMPLETE
Inspection Date:	Tuesday, January 05, 2010
Start Date/Time:	1/5/2010 11:16:00 AM
End Date/Time:	1/5/2010 1:00:00 PM
Last Inspection:	Wednesday, December 09, 2009

Inspector: Pete Hess, Environmental Scientist III

Weather: Overcast & Cold, 24 Deg. F.

InspectionID Report Number: 2238

Accepted by: jhelfric
1/25/2010

Permittee: **HEADWATERS ENERGY SERVICES**
 Operator: **HEADWATERS ENERGY SERVICES**
 Site: **COVOL SITE**
 Address: **1865 S RIDGE RD, WELLINGTON UT**
 County: **CARBON**
 Permit Type: **PERMANENT COAL PROGRAM**
 Permit Status: **PROPOSED**

Current Acreages

30.00	Total Permitted
30.00	Total Disturbed
	Phase I
	Phase II
	Phase III

Mineral Ownership

- Federal
- State
- County
- Fee
- Other

Types of Operations

- Underground
- Surface
- Loadout
- Processing
- Reprocessing

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

The Permittee is processing feed product three shifts a day, five days a week.
 With the exception of operational areas, the site is snow covered.
 Mr. Kyle Edwards, plant manager, represented the Permittee during today's inspection.

Inspector's Signature:

Date Tuesday, January 05, 2010

Pete Hess, Environmental Scientist III

Inspector ID Number: 46

Note: This inspection report does not constitute an affidavit of 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 performance 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	<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.a Hydrologic Balance: Diversions	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4.b Hydrologic Balance: Sediment Ponds and Impoundments	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4.c Hydrologic Balance: Other Sediment Control Measures	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4.d Hydrologic Balance: Water Monitoring	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4.e Hydrologic Balance: Effluent Limitations	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Explosives	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. Disposal of Excess Spoil, Fills, Benches	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Coal Mine Waste, Refuse Piles, Impoundments	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. Noncoal Waste	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. Protection of Fish, Wildlife and Related Environmental Issues	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
10. Slides and Other Damage	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11. Contemporaneous Reclamation	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12. Backfilling And Grading	<input type="checkbox"/>	<input checked="" 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 checked="" 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.a Roads: Construction, Maintenance, Surfacing	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16.b Roads: Drainage Controls	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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 type="checkbox"/>	<input type="checkbox"/>
19. AVS Check	<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 checked="" type="checkbox"/>	<input type="checkbox"/>
21. Bonding and Insurance	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
22. Other	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

1. Permits, Change, Transfer, Renewal, Sale

The current DOGM permit remains in effect through September 1, 2014.

4.a Hydrologic Balance: Diversions

Most of the sites diversions are snow covered.

4.b Hydrologic Balance: Sediment Ponds and Impoundments

Mr. Rich White, P.E., EarthFax Engineering, conducted the annual impoundment inspection and certification process for the East and West sediment impoundments on November 18, 2009 and November 30th respectively. No signs of structural defect were observed. Minor erosion rills were repaired by the re-engineering and installation of 18 inch culvert aprons at the pond inlets. This size CMP has been determined as adequate to effectively handle the design storm. The contained sediment volume is at the 45 % level (i.e., 15 % below the 60 % cleanout elevation. The Permittee forwarded the completed certification reports to DOGM Salt Lake on December 9, 2009. As observed this day, the southern inslopes of the ponds were snow covered. The elevation of ice in the pond bottoms is well below the elevation of the spillways.

4.c Hydrologic Balance: Other Sediment Control Measures

The silt fences at the site have snow depths covering one-half their height.

4.d Hydrologic Balance: Water Monitoring

The Permittee submitted the four ground water analyses required by the MRP to the DOGM on November 6, 2009. Task ID # 3420 was approved on December 21, 2009. Additional ground water monitoring is not required until the site undergoes reclamation. The new data has been inserted into the MRP as Table 7-1 (page 7-35).

9. Protection of Fish, Wildlife and Related Environmental Issues

The Permittee is required to perform a habitat evaluation for the burrowing owl in the spring of 2010.

13. Revegetation

The Permittee has purchased seed to re-seed the two topsoil piles at the site. This will occur in the spring of 2010.

16.b Roads: Drainage Controls

Many of the road drainage diversions are under snow. Snow removal operators have not pushed accumulations into ditches or into culvert inlets.

20. Air Quality Permit

Ambient air temperatures are too low to allow roadway watering (24 degrees).

Permit Number: C0070045
Inspection Type: COMPLETE
Inspection Date: Tuesday, January 05, 2010

21. Bonding and Insurance

The Division holds a \$ 165,000 cash bond to ensure the reclamation of the site. The bond was converted from a surety to a cash bond on July 17, 2009.