



# 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: | PARTIAL                    |
| Inspection Date: | Tuesday, November 19, 2013 |
| Start Date/Time: | 11/19/2013 9:45:00 AM      |
| End Date/Time:   | 11/19/2013 1:00:00 PM      |
| Last Inspection: |                            |

Inspector: Joe Helfrich

Weather: sunny 55

InspectionID Report Number: 3687

Accepted by: jhelfric  
12/3/2013

| Representatives Present During the Inspection: |                  |
|--|------------------|
| Landowner                                      | Charles Reynolds |
| Landowner                                      | Mel Coonrod      |
| DWR  | Nicole Nielson   |

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 | <b>Total Permitted</b> |
| 290.00    | <b>Total Disturbed</b> |
| 95.90     | <b>Phase I</b>         |
|           | <b>Phase II</b>        |
|           | <b>Phase III</b>       |

#### 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 purpose of this site visit was to provide those in attendance an opportunity to visit the vegetative communities in the areas that will be eligible for final bond release in 2014. Other attendees not included in the representatives section of this report were Matt Serfustini, Mindi Lundberg and Michael Coonrod. The group met at Environmental Industrial Services, (EIS's), office in Helper to discuss the draft data generated by the recent vegetation survey.

Inspector's Signature

Date Tuesday, November 19, 2013

Joe Helfrich,  
Inspector ID Number: 1



**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 type="checkbox"/>            | <input type="checkbox"/> | <input 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 type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> |
| 4.a Hydrologic Balance: Diversions                               | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> |
| 4.b Hydrologic Balance: Sediment Ponds and Impoundments          | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> |
| 4.c Hydrologic Balance: Other Sediment Control Measures          | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> |
| 4.d Hydrologic Balance: Water Monitoring                         | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> |
| 4.e Hydrologic Balance: 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 Issues | <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 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.a Roads: Construction, Maintenance, Surfacing                 | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> |
| 16.b Roads: 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  | <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 and Insurance  | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> |
| 22. Other  | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> |

### **13. Revegetation**

Representatives from Environmental Industrial services (EIS) had collected vegetative data for year 9 of the liability period in August of 2013. The post mining landuse for the reclaimed areas is for grazing and wildlife. Sections R645-301-356.201 and .230 of the coal regulations require consultation with agencies responsible for the administration of forestry and wildlife programs in determining an appropriate success standard in accordance with the Vegetation Information Guidelines. Nicole Nielson, (Wildlife Habitat Restoration Biologist for DWR), is currently consulting with the Division staff in order to meet that obligation. The draft summary data for woody species density for the reclaimed areas averaged 2891 stems per acre compared to 5044 for the reference areas. Typically a woody species density of 1500-2000 stems per acre is deemed adequate to support mule deer on their winter range. The percent cover for the reclaimed areas averaged 152.3% of the % cover noted in the reference areas, (7.84). Production on the reclaimed areas averaged 1057 pounds per acre compared to 587 pounds per acre for the reference areas or 153 %. If the data from the final year of vegetative surveying is approximately the same as the 2013 data the permittee should be able to meet an average standard of 1500-2000 stems per acre for woody species density for the wildlife component of the postmining landuse. The grazing component should also be factored in in determining an appropriate standard of success. Effective management of grazing can compliment the wildlife if done appropriately. The number of AUM's, cattle and estimated time of grazing on a per annum basis would be helpful information to the Division and DWR in determining an appropriate success standard for the reclaimed areas.