



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

Table with 3 columns: Role, Name, Title. Title: Representatives Present During the Inspection. Rows include OGM, Company, and Environmental Scientist/Supervisor/Engineer.

Inspection Report

Table with 2 columns: Field, Value. Fields include Permit Number, Inspection Type, Inspection Date, Start Date/Time, End Date/Time, Last Inspection.

Inspector: Pete Hess, Environmental Scientist III

Weather: Clear, cold; 30's F. Mild breezes.

InspectionID Report Number: 876

Accepted by: whedberg
3/1/2006

Permittee: PACIFICORP
Operator: ENERGY WEST MINING CO
Site: DES BEE DOVE MINE
Address: PO BOX 310, HUNTINGTON UT 84528
County: EMERY
Permit Type: PERMANENT COAL PROGRAM
Permit Status: RECLAIMED

Current Acreages

Table with 2 columns: Value, Description. Rows: 154.86 Total Permitted, 23.88 Total Disturbed, Phase I, Phase II, Phase III.

Mineral Ownership

- Checked: Federal, Fee
Unchecked: State, County, Other

Types of Operations

- Checked: Underground
Unchecked: Surface, Loadout, Processing, Reprocessing

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

The Permittee initiated the reclamation of the Des-Bee-Dove Mine site sediment pond during mid-December 2005, and completed the project, including the access road to the pond on January 31, 2006. Today's inspection was conducted in order to bring any recognized issues to light for the benefit of the Permittee.

Ms. Sue Burger and Mr. Mike Robinson represented the USDO/BLM; Mr. Kurt Higgins represented the State of Utah, SITLA.

Inspector's Signature: _____ Date: Friday, February 24, 2006

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 type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Signs and Markers	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input 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 checked="" 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 checked="" 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 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 checked="" 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 checked="" type="checkbox"/>	<input type="checkbox"/>
16.b Roads: Drainage Controls	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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"/>

2. Signs and Markers

There are several "permit area" signs located about the site which will be removed by the Permittee in the near future. All disturbed area perimeter markers and the Permittee identification sign will be maintained in place until the Division grants Phase III bond release approval.

4.b Hydrologic Balance: Sediment Ponds and Impoundments

The sediment pond area has been reclaimed. During reclamation, the Permittee discovered that the material comprising the ponds impounding embankment was better soil than what had been anticipated. The Permittee requested a field change through the DOGM to utilize this material in a manner that would enhance the reclamation. The DOGM approved this request. Mr. Oakley indicated that this field change, as well as four others, were documented and will be forwarded to the DOGM for incorporation into the approved Des-Bee-Dove sediment pond reclamation plan. This will be done prior to the fly-over (to be conducted in August) which will provide data for the required "as-built" information.

4.c Hydrologic Balance: Other Sediment Control Measures

The Permittee's contractor (Nielson Construction Company) built large, deep pocks to capture moisture for the re-establishment of vegetation. The Permittee also placed various sizes of rock and vegetative litter about the area which will act as rain drop dissipators reducing erosive action. The DOGM requested that the Permittee place straw bales in the re-established undisturbed drainage to treat sediment reporting to the permit boundary. Mr. Oakley agreed with this request.

4.d Hydrologic Balance: Water Monitoring

During the re-construction of the ephemeral channel through the reclaimed area, a spring was encountered at the interface of bedrock in the location of the stream channel. Water is ponded to a depth of about 4 inches over an area of approximately 25 feet. The Division would like the Permittee to sample the ponded water and analyze for pH, SAR, and electrical conductivity. This sample analysis can be submitted with the "As-Built" information.

The Permittee intends to conduct a fly-over of the reclamation area in August 2006 for the purpose of obtaining information for the required "as-built" submittals. This submittal should identify the location of this spring and demonstrate that the gradient is downhill along the length of the channel (in less than 100 foot increments). The downstream end of this channel is approximately forty feet from the ponded area, but is at least four inches higher than the bottom of the channel where the water impounds.

4.e Hydrologic Balance: Effluent Limitations

The Permittee submitted a discharge monitoring report for the Des-Bee-Dove sediment pond for January 2006 to the appropriate agencies on February 21, 2006. As UPDES outfall 001 has been reclaimed, the Permittee has notified the DOGM and DWQ that it will no longer be submitting this water monitoring report. It is not known how or when the DEQ/DWQ will terminate the UPDES permit for the Des-Bee-Dove site. Straw bales were temporarily recommended to treat water as it leaves the reclaimed site the first couple of years.

8. Noncoal Waste

There were several roof bolts noted at various locations within the Reclamation site. These have generally been used to anchor straw bales for the purpose of sediment control. The Permittee intends to remove these items in the near future.

9. Protection of Fish, Wildlife and Related Environmental Issues

Various forms of fauna are utilizing the reclaimed area already. Deer tracks were noted throughout the area. Several cotton tail rabbits were observed today. A small area in the drainage bottom will impound water, which will be replenished by a spring on the adjacent hill side. Although the water is very high in salts, due to the surrounding Mancos shale, it is hoped the wild life will use this as a watering hole.

12. Backfilling And Grading

Phase 3 Reclamation of the sediment pond is described in MRP Vol. XVI. The completed work blends very well with the undisturbed landscape (see attached photos). All of the cuts, save one, that were created to construct the sediment pond have been backfilled to a 2H:1V slope. The cut bank which remains exposed is also backfilled to a 2:1; however, the location of this bank prevents backfilling to the top of the cut. Some Mancos remains exposed. Material could not be placed to the top of this cut, due to the close proximity of the re-established natural drainage through this area. The exposed Mancos material blends well with the adjacent undisturbed area, which has extensive acreages of Mancos shale exposed.

Map 700-1 illustrates the channel reclamation. Unexpectedly, a spring was encountered at the interface of bedrock in the location of the stream channel. Water is ponded to a depth of about 4 inches over an area of approximately 25 ft. Ponded water was observed in the main channel approximately 20 ft south of where the subdrainage is shown entering from the east on Map 700-1 (see attached photos). For a distance of approximately 40 ft, the gradient from the ponded water towards the access road appears to be uphill, but the Permittee stated that a recent survey indicated a 7 ft gradient over 100 ft. The Permittee indicated that the source of the ponded water was a spring encountered at the bedrock interface.

13. Revegetation

As part of the re-vegetation process, the Permittee amended the soils by incorporating hay (main pond area), and seeded the site by hand. Hydromulch (one ton / acre) with a tackifier (500 pounds / acre) was then applied. The Permittee ran out of hay during the reclamation of the access road; the Division was notified of this. The Division requested that the Permittee mark the location beginning where no hay was implemented into the soils. This will be shown in the field, as well as on maps which are to be submitted.

16.a Roads: Construction, Maintenance, Surfacing

The access road to the pond has been completely reclaimed; all cuts have been eliminated. Severe roughening, as well as the same re-vegetation techniques used within the main pond area have also been utilized within the access road disturbed area.

16.b Roads: Drainage Controls

The concreted areas which had been implemented to reduce erosion where the access crossed the undisturbed channel have been removed, broken, and buried in areas where deep fill has been placed.





