



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:	C0150025
Inspection Type:	PARTIAL
Inspection Date:	Thursday, May 24, 2012
Start Date/Time:	5/24/2012 9:30:00 AM
End Date/Time:	5/24/2012 3:00:00 PM
Last Inspection:	Wednesday, April 11, 2012

Representatives Present During the Inspection:	
Company	Jaren Jorgensen
OGM	Karl Houskeeper
OGM	Priscilla Burton
OGM	Daron Haddock

Inspector: Karl Houskeeper,
 Weather: Clear Skies, Temp. 72 Deg. F.
 InspectionID Report Number: 3110

Accepted by: jhelfric
 5/31/2012

Permittee: **CASTLE VALLEY MINING LLC**
 Operator: **CASTLE VALLEY MINING LLC**
 Site: **BEAR CANYON MINE**
 Address: **2352 NORTH 7TH STREET, UNIT B, GRAND JUNCTION CO 81501**
 County: **EMERY**
 Permit Type: **PERMANENT COAL PROGRAM**
 Permit Status: **ACTIVE**

Current Acreages		Mineral Ownership	Types of Operations
10,991.83	Total Permitted	<input checked="" type="checkbox"/> Federal	<input checked="" type="checkbox"/> Underground
40.46	Total Disturbed	<input type="checkbox"/> State	<input type="checkbox"/> Surface
	Phase I	<input type="checkbox"/> County	<input type="checkbox"/> Loadout
	Phase II	<input checked="" type="checkbox"/> Fee	<input type="checkbox"/> Processing
	Phase III	<input type="checkbox"/> Other	<input type="checkbox"/> Reprocessing

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

This partial inspection included a reconnaissance inspection of the Tank Seam area. Specifically TS-8, TS-10 and TS-11 (as shown on Plates 2-3) which were reclaimed in 2005-2006. TS-7 has not been backfilled and still retains a conveyor and bin structure. TS-6 is the remaining roadway to be reclaimed. These areas were inspected following concerns that were voiced by the Land Owners representative. The Land Owner would like to see the permittee apply for Phase I bond release on TS-8, TS-10 and TS-11 and to remove and reclaim Area TS-7 (including removal of the conveyor and bin structure). The Land Owner also had concerns with monitoring wells SDH-1a, SDH-2, SDH-3, MW114 and MW117. The permittee was asked to analyze and respond to these issues.

Karl R. Houskeeper

Inspector's Signature:

Date: Thursday, May 24, 2012

Karl Houskeeper,
 Inspector ID Number: 49

Note: This report is prepared as a public document and is subject to public review and comment. It is the responsibility of the permittee to ensure that all information provided is accurate and complete. For more information, contact the Division of Oil, Gas and Mining, telephone (801) 538-5340 • facsimile (801) 359-3940 • TTY (801) 538-7458 • www.ogm.utah.gov



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 checked="" type="checkbox"/>	<input type="checkbox"/>
4.a Hydrologic Balance: Diversions	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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 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 checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Coal Mine Waste, Refuse Piles, Impoundments	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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 type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. Slides and Other Damage	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
11. Contemporaneous Reclamation	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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 type="checkbox"/>	<input type="checkbox"/>	<input 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

2. Signs and Markers

The mine ID is posted at the end of the county road and access into the permit area. The sign is legible and contains all of the information that is required by regulation.

3. Topsoil

The tank seam portals and approximately 3/4 miles of access road was reclaimed in 2005, 4.44 acres in all (see Table 2.7). The road and portals are shown on Surface Facilities Plates 5-2 C, D, & E. The two topsoil stockpiles illustrated in Plate 2-2E were located along the road, but were fully utilized in reclamation of the road. The road reclamation ends in a intermittent drainage, above the coal storage yard. Plate 5-2C shows that the reclamation ends at the location of the fan portal (reclaimed) and just above the bin structure and (sealed) Hiawatha portal and sealed belt portal. This area is labeled TS-7 on Plate 2-3. The downcast material from road construction is available for reclamation of the road in sections TS7 and TS6. The location of the disturbed area boundary was noted as the limits of disturbance for reclaiming the road.

4.a Hydrologic Balance: Diversions

The intermittent drainage is directed away from the coal storage yard, down the access road. A culvert inlet along the TS-6 reclamation section of the access road was observed during the reconnaissance inspection that was plugged. The inlet either needs to be cleaned or the permittee needs to abandon the inlet by doing a permit amendment. The water is currently following the road diversion down the road and ends up in the stream channel. There is no signs of erosion because of the bypass. It appears that the road diversion could handle the flow by the discontinuation of the culvert.

7. Coal Mine Waste, Refuse Piles, Impoundments

Coal mine waste is temporarily stockpiled at the bend in the access road shown on Surface Facilities Plate 5-2D. Section 521.143 refers to Plates 5-2 for the location of temporary storage and states that final disposal will be at Hiawatha. This temporary storage location is not shown on Plate 5-2D. Unless a reference in the MRP can be found that allows storage in this area the material must be removed immediately to avoid enforcement action. As was noted during the inspection, if coal mine waste is stored longer than 30 days and/or prior to burial on site, it must be sampled for acid/toxic characteristics, in accordance with R645-301-731.300. During the inspection, Mr. Jorgensen asked whether the coal mine waste could be buried within the Tank Seam Access Road fill. Page 5-37 and Appendix 5-D describes testing of the coal mine waste prior to backfilling. If coal mine waste is to be buried in a different location than that described in Appendix 5-1, an amendment to the narrative in Appendix 5-1 is required and the location must be designated on an as-built reclamation map, in accordance with R645-301-536 and R645-301-542.730.

8. Noncoal Waste

Mine site was found to be free of noncoal waste items.

10. Slides and Other Damage

No slides or erosion were seen on the tank seam reclamation area.

11. Contemporaneous Reclamation

Tank seam portals and a portion of the access road was reclaimed and seeded in May 2005.

12. Backfilling And Grading

We discussed the reclamation plans for TS 6 & TS 7 and referred the operator to the following MRP sections for details. The grading plans for each area are described in Chapter 2, Section 240. The location of TS 7 and TS 6 are shown on Plates 2-3 C and D. The acreage of TS 7 and TS 6 is 5.06 acres (Table 2.7). The reclamation of TS 7 is described on page 2-39 of the MRP: approximately 2,500 cu yds of fill will come from TS 6 and 8,000 cu yds of fill will be moved up to TS 7 from the slopes of TS 5. Plate 5-6 shows the final contours. The cut and fill calculations and final cross sections are shown in Appendix 5-I. Backfilling the Tank Seam access road using 18 inch lifts is described on page 5-43. General backfilling information is found in Section 542.200. Restoration of drainages is outlined in App. 7-H. The difficulty with completing the reclamation of the Tank Seam road at this time is dealing with the drainage. Runoff that is currently diverted down the road would need to be channeled across the road at TS-7 and then diverted away from the current coal piles and operating facilities. This may prove difficult to do until it is time for removal of these facilities at final reclamation. This is part of the analysis that the Operator has been asked to complete.

22. Other

A culinary water collection system originates in a sump the sealed No. 1 Mine and is described in App. 5-B. The buried water line no longer comes from the water tank on the surface as described in App. 5-B. Remnants of the buried PVC pipe were seen on coming from the location of the fan portal and emerging from the fill in the location shown on Plate 5-2C.. However, Mr. Jorgensen pointed out the current water line comes directly from the Blind Canyon portal below TS 7.