



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, July 31, 2018
Start Date/Time:	7/31/2018 10:00:00 AM
End Date/Time:	7/31/2018 1:00:00 PM
Last Inspection:	Thursday, July 12, 2018

Representatives Present During the Inspection:	
OGM	Priscilla Burton
OGM	Karl Houskeeper
OGM	Steve Christensen
OGM	Chris Rohrer
Company	Charles Reynolds
Company	Dana Jenkins

Inspector: Priscilla Burton,

Weather: sun, 90F

InspectionID Report Number: 6205

Accepted by:DHADDOCK

8/7/2018

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: **INACTIVE**

Current Acreages

12,177.00	Total Permitted
197.00	Total Disturbed
97.50	Phase I
93.27	Phase II
93.27	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:

DOG M staff met with Hiawatha Mine staff to agree upon operating procedures and sources of fill for use by the Abandoned Mine Reclamation (AMR) contractor who will reclaim portals adjacent to and within the disturbed area in Fall 2018.

The locations of 8 abandoned mine portals in Middle Fork are shown on Ex. V-5. In Middle Fork, they are along the North and South disturbed area boundary above the sediment pond, and below and above the access road leading from the truck loadout to the Middle Fork facilities yard. A 9th portal location was mapped in the same vicinity by AMR.

Two backfilled portals are not shown on South Fork Facilities V-8. They have been backfilled and are against the NW cutslope of the King VI mine yard.

Inspector's Signature: **Priscilla Burton**

Priscilla Burton
2018.08.14 16:24:28 -06'00'

Date Wednesday, August 1, 2018

Priscilla Burton,

Inspector ID Number: 37

Note: This inspection report does not constitute an affidavit of compliance with the regulatory program of 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 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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"/>

2. Signs and Markers

Disturbed area boundaries were noted. The disturbed area marked on Ex V shows the boundary more clearly.

3. Topsoil

Two topsoil piles are shown on Ex. II-2. The South Fork stockpile contains 1,206 CY and the Middle Fork stockpile contains 354 CY. The attached photographs show grasses have been grazed off the Middle Fork pile which is protected by a berm. The South Fork pile is dominated by climax sagebrush.

A large stockpile of gully wash sediments has been stockpiled around the Middle Fork bathhouse. The stockpile is bermed. This stockpile is referenced on page 2-4 of the MRP as potential substitute topsoil and will not be used by AMR.

4.a Hydrologic Balance: Diversions





Middle Fork UD drainage culvert and disturbed drainage ditch were located. The disturbed drainage ditch will be widened for equipment crossing, while still maintaining its capacity and function. The disturbed ditch will be restored to design upon completion of the work.

10. Slides and Other Damage

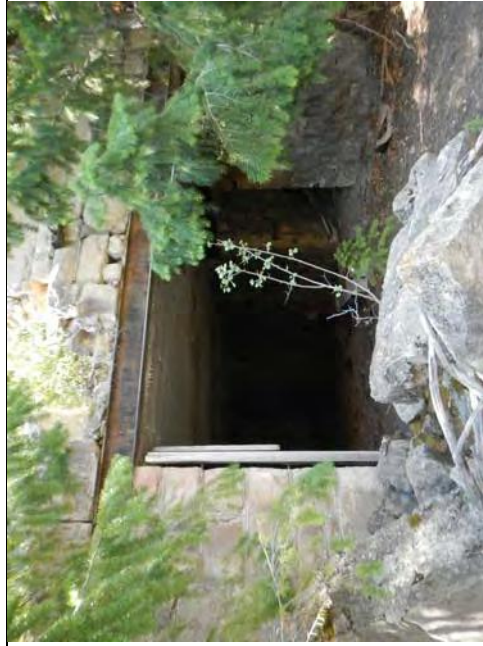
Gully wash erosion from slopes above both the South and Middle Forks has brought sediments and boulders down to the pads. These sediments will be used by AML for reclamation. On the South Fork pad, these sediments lie within the King VI Mine Yard shown on Ex-V-8. In the Middle Fork these sediments are adjacent to the King IV return air fan portal and the old fan building shown on Ex V-5. Rocks and boulders may be gathered from these sediments. Loose rocks and boulders from the cut slope of the Middle Fork pad may also be collected.

15. Cessation of Operations

Temporary cessation was filed with the Division on October 12, 2010.(Incoming document 10/28/2010.pdf) "The Hiawatha Mine Complex continues in temporary cessation at least until the year 2024." 2017 Annual Report, p. 2.

<p>Photo Attachment A – Hiawatha August 14, 2018</p>			
<p>Middle Fork undisturbed bypass culvert (blue) and tippie in far ground. Disturbed diversion ditch on left.</p>			<p>Middle Fork truck turn around and AMR portal HO2 on access road to upper yard</p> <p>AMR HO1 shown as pump room on Middle Fork Ex V-5.</p> <p>AMR HC2 and HO6 on Middle Fork disturbed area boundary.</p>

ATTACHMENT A – Hiawatha August 14, 2018



AMR portal HC3 on Middle Fork disturbed boundary



Middle Fork colluvial soil by King IV fan



Middle Fork colluvial soil between fan and shop



Middle Fork pad showing location of shop and fan.

Photo Attachment A – Hiawatha August 14, 2018







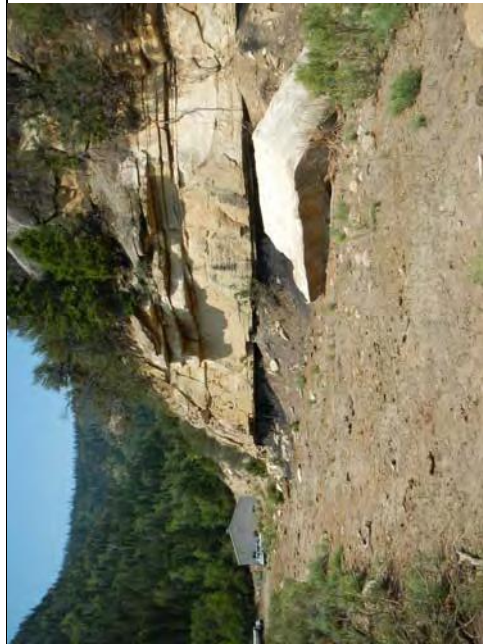
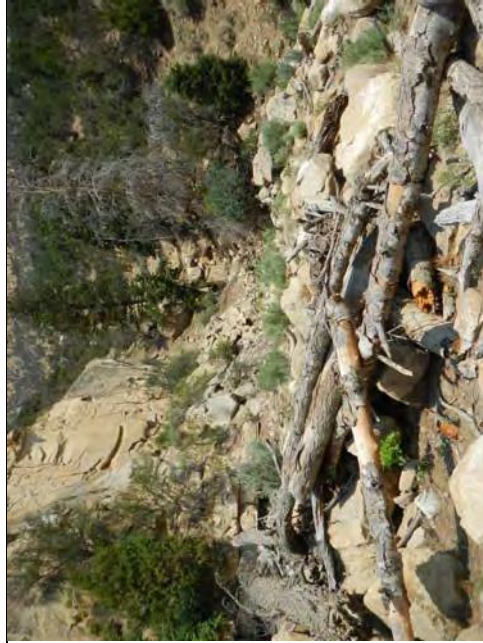


		
<p>Middle Fork. Colluvial soil stockpiled around bathhouse --not for use by AMR</p>	<p>Middle Fork topsoil stockpile 394 CY</p>	<p>Middle Fork topsoil stockpile 394 CY</p>
		
<p>South Fork looking upstream towards bathhouse from mine yard and colluvial soil pile on right is a potential source of fill for AMR.</p>	<p>South Fork looking downstream towards the shop and conveyor.</p>	<p>South Fork looking downstream towards the shop and conveyor.</p>

Photo Attachment A – Hiawatha August 14, 2018

		
<p>South Fork access to mine yard. AMR portals are backfilled on either side of the boulder</p>		<p>South Fork colluvial debris flow on mine yard pad is source of fill for AMR portals</p>
		
<p>South Fork topsoil stockpile</p>		<p>South Fork topsoil pile.</p>