



OGMCOAL DNR <ogmcoal@utah.gov>

October Inspection Report

1 message

Karin Madsen <karinom@utah.gov>

Mon, Nov 14, 2022 at 4:46 PM

To: Miles Stephens <miles.stephens@gentrymining.com>, Dana Jenkins <hannahsknight@yahoo.com>, Steve Christensen <stevechristensen@utah.gov>, OGMCOAL DNR <ogmcoal@utah.gov>

Good Afternoon Miles,

Attached you'll find the Hiawatha inspection report for October.

Let me know if you have any questions.

Thanks,



Karin Odendahl-Madsen

Environmental Scientist III


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Utah Department of Natural Resources

Division of Oil, Gas & Mining

ogm.utah.gov

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 **Hiawatha, October.pdf**
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State of Utah

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Governor

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Lieutenant Governor

Department of Natural Resources
Division of Oil, Gas and Mining

JOEL FERRY
Executive Director

JOHN R. BAZA
Division Director

Inspection Report

Permit Number:	C0070011
Inspection Type:	PARTIAL
Inspection Report Date:	Mon Oct 24, 2022
Start Date/Time:	10/13/2022 13:00:00
End Date/Time:	10/13/2022 16:00:00
Last Inspection:	Tue Sep 6, 2022

Representatives Present During the Inspection:
DOG M Karin Madsen
Company Miles Stephens
Company Dana Jenkins

Inspector: Karin Madsen

Weather: 70°F Sunny and Clear

InspectionID: I-006119

Accepted by: Steve Christensen

10/31/2022

Permittee: **HIAWATHA COAL CO INC**
 Operator: **HIAWATHA COAL CO INC**
 Site: **HIAWATHA MINE**
 Address: **PO BOX 1240 HUNTINGTON UT 84528**
 County: **07 CARBON**
 Permit Type: **PMT**
 Permit Status: **ACT**

Current Acreages

Mineral Ownership

Types of Operations

12177.00	Total Permitted	<input checked="" type="checkbox"/> Federal	<input checked="" type="checkbox"/> Underground
197.00	Total Disturbed	<input checked="" type="checkbox"/> State	
97.50	Phase I	<input checked="" type="checkbox"/> Fee	
93.27	Phase II		
93.27	Phase III		

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

Division staff met with Dana Jenkins and Miles Stephens for this partial inspection. Work remains to be done to bring the property back to design after flood events of previous years. All ponds have been completely cleaned except for pond 8, which is nearing completion. The main ditches on the property are heavily eroded from flooding, and the permittee has made progress since last inspection. At time of inspection, rocks had been offloaded into sections of the ditches on the Middle Fork Road to build up the eroded areas, and flood debris fill material has been compacted on top of the boulders to bring the ditches back up to their design. Approximately 1,000' of the Middle Fork Road ditch has been repaired in this manner so far.

Mining activities in Slurry Pit #5 were not taking place at time of inspection, however Mr. Stephens stated that mining has been taking place on and off in recent months, the most recent being at the beginning of October.

ACTION ITEMS: Items requiring action are explained in detail in sections 4a, 4b, 6, 13, 16a and 16b.

Inspector's Signature:

Date: 10-31-22

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	Enforcement	Not Applicable	Comment
1 Permits, Change, Transfer, Renewal, Sales	✓	<input type="checkbox"/>	<input type="checkbox"/>	✓
2 Signs and Markers	✓	<input type="checkbox"/>	<input type="checkbox"/>	✓
3 Topsoil	✓	<input type="checkbox"/>	<input type="checkbox"/>	✓
4a Hydrologic Balance: Diversions	✓	<input type="checkbox"/>	<input type="checkbox"/>	✓
4b Hydrologic Balance: Sediment Ponds and Impoundments	✓	<input type="checkbox"/>	<input type="checkbox"/>	✓
4c Hydrologic Balance: Other Sediment Control Measures	✓	<input type="checkbox"/>	<input type="checkbox"/>	✓
4d Hydrologic Balance: Water Monitoring	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4e 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 Soil, Fills, Benches	✓	<input type="checkbox"/>	<input type="checkbox"/>	✓
7 Coal Mine Waste, Refuse Piles, Impoundments	✓	<input type="checkbox"/>	<input type="checkbox"/>	✓
8 Noncoal Waste	✓	<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 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"/>
16a Roads: Construction, Maintenance, Surfacing	✓	<input type="checkbox"/>	<input type="checkbox"/>	✓
16b Roads: Drainage Controls	✓	<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"/>

1 Permits, Change, Transfer, Renewal, Sales

At time of inspection, the permittee had submitted their response to DO-22A to the Division.

2 Signs and Markers

The identification sign at property boundary of the site was inspected and meets the requirements stated in R645-301-521.200

3 Topsoil

The Middle Fork topsoil is signed, but not fenced. This pile is in poor condition because the grass clumps on this small pile have been grazed down to their crowns. The pile is exposed to wind erosion. Cows were present throughout the property.

Sagebrush dominates the South Fork topsoil stockpile. This stockpile is signed but not fenced. This stockpile is also overgrazed.

4a Hydrologic Balance: Diversions

The diversion entering C-24 had been significantly eroded from prior storm events. The operator was attempting to add rock energy dissipators to the diversion, but there are no specific designs associated with this diversion and it is not named on Exhibit VII-18C. This diversion will need to be designed and built to the appropriate specifications as part of the DO.

UD-7 extends outside of the permit area, enters an impoundment (currently holding water) constructed off the permit boundary, and then connects back to C-28. This impoundment is used by the landowner. The Permittee was instructed to put UD-7 back to its original design, bypassing the landowner pond, and entering C-28 as designed. There is also an over-excavated area at the inlet to C-28 that must be permitted as a catch basin or debris basin. This item is discussed in the DO.

C-29 is partially filled with sediment and needs cleaned out. The Permittee was informed that any maintenance work extending beyond culvert inlet, if needed, will require consultation with DWRi. DWRi will determine if a stream alteration permit is required.

Six culvert inlets were inspected: C-17, C-24, C-25, C-26, C-28, C-29, C-36. It was determined that the areas have been either heavily eroded by water or over excavated by the Permittee while removing debris that had been a product of the large storm events. These inlets need to be reconstructed as designed, or if not currently part of the MRP, added to the appropriate drawing files and tables as debris basins. These items are discussed as part of the DO. As debris basins, these areas are not to impound water below the culvert inlet; the culvert must properly function as intended.

ACTION ITEMS: Ensure diversions entering culverts are not over-excavated or impounding water below the culvert inlet. As part of the DO, incorporate the unnamed diversions and their designs, as well as the debris basins, into the MRP.

4b Hydrologic Balance: Sediment Ponds and Impoundments

Inspection Report #8194 tasked the Permittee with cleaning all of the ponds that were severely impacted by last year's flood event. All of the ponds have been cleaned successfully with the exception of Pond 8, which is nearing completion. The decants and sediment markers have been repaired in ponds 3, 4, 6, 9, and 11. The emergency spillway in Pond 11 had not been reconstructed at time of inspection, however the area had been surveyed, flagged, and was expected to be excavated and rip-rapped within the following days.

ACTION ITEMS: Finish cleaning and restoring Pond 8 to its design. Submit As-Built maps to the Division when ponds are completed.

4c Hydrologic Balance: Other Sediment Control Measures

The Middle Fork of the Hiawatha property requires significant maintenance following the flood event of August 2021. Major sediment and debris flows caused damage to most of this fork's road. The Division issued a DO (DO22-A) on March 2, 2022 tasking the Permittee with amending their MRP to account for watershed calculations, drainage and impoundment designs, and completion of construction of the changes no later than 1 calendar year from the receipt of final approval of the amendment from the Division.

6 Disposal of Excess Soil, Fills, Benches

Previous flood events have brought a significant amount of debris down the watershed to the Middle Fork pad via the landowner road that leaves the property (ANR Road). Sediment and water entering the Middle Fork pad from the landowner road above must be controlled. The DO discusses the undisturbed culvert design regarding this watershed.

Sediment that has accumulated on the Middle Fork pad must be scraped up, stockpiled and bermed on the pad. Sediment that has already been removed from Middle Fork has been stockpiled on the Preparation Plant disturbed area, to the east of the Phase III bond released RA-7 shown in Ex. II-4. The Permittee plans to use the flood sediments to reclaim the remaining Lower Preparation Plant area, rather than utilize the adjacent borrow area, also shown on Ex II-4A.

Sediment cleaned from Pond 9 was placed on the South Fork Bathhouse pad. Sediment cleaned from Pond 011 was placed on the Coal Loadout Pad in South Fork. Sediment from the Middle Fork Pond 008 will be stockpiled on the Middle Fork pad and used to stabilize and repair road ditches.

ACTION ITEMS: Ensure the undisturbed culvert inlets on the Middle Fork Pad can control water and sediment entering the disturbed boundary from the landowner road.

Restore the Middle Fork Pad to its designed specifications.

7 Coal Mine Waste, Refuse Piles, Impoundments

The refuse pile area was clear rills or gullies and appeared stable at time of inspection. No new refuse has been added to the pile.

8 Noncoal Waste

The four designated storage yards within the Hiawatha area shown on Exhibit V-9 were well organized and stored appropriate mining materials as designated within the MRP. The Permittee has been deploying further organization efforts within these storage areas to make the spaces even more functional. The Permittee has begun cleaning out the Parts Warehouse area located in the lower portion of the city, and organization efforts were taking place at time of inspection.

13 Revegetation

The Permittee has incorporated seeding across the property in areas that have been damaged by past floods. A seed mix has not been provided to the Division. At time of inspection, the Permittee stated that the seed was purchased from Maple Leaf Seed out of Ephriam.

ACTION ITEMS: Provide the seed mix used on the property to the Division as soon as possible.

16a Roads: Construction, Maintenance, Surfacing

The Middle Fork access road has received significant damage due to the August 2021 flood event. The road surface has deteriorated, and UD-6 ditch that runs along the side of the Middle Fork road is severely eroded, causing numerous cuts several feet deep, as well as undercutting and sloughing of the asphalt surface.

This primary road must be maintained in accordance with R645-301-534.330. Page 5-72 of the approved Hiawatha MRP states that “Primary roads that have been damaged by catastrophic events such as floods or earthquakes will not be used until reconstruction of damaged road elements. The reconstruction will be completed as soon as practicable after the damage has occurred”. The Permittee has barricaded the damaged road sections, and closes the gate to restrict access.

ACTION ITEMS: Restore the road surface and drainage control along the Middle Fork access road.

16b Roads: Drainage Controls

Rock from flood debris has been separated out and is being used to fill the majority of the UD-6 to prep it for fill material from Pond 8. The Permittee has been requested to provide the Division with engineering plans for this ditch repair.

ACTION ITEMS: Provide the Division with engineering plans for the reconstruction of UD-6.

ATTACHMENTS - HIAWATHA MINE

Date: Mon Oct 24, 2022



Photo 1
Savage storage yard



Photo 2
Pond 11, decant and sediment marker replaced



Photo 3
Pond 8



Photo 4
Long term storage warehouse



Photo 5
C29



Photo 6
C36



Photo 7
Pond 11 decant outlet



Photo 8
Pond 9



Photo 9
UD7



Photo 10
UD7, C28 and landowner pond



Photo 11
Middle fork road repair (2)



Photo 12
Repaired access road above pond 8



Photo 13
Pond 6



Photo 14
Lower South Fork sediment storage

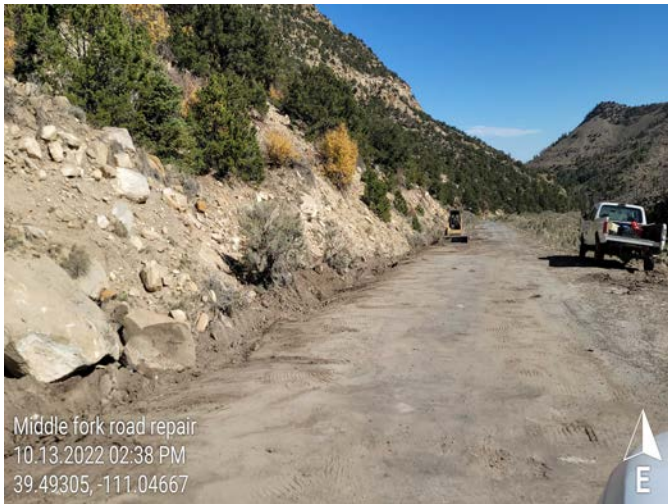


Photo 15
Middle fork road repair



Photo 16
Pond 3



Photo 17
Pond 4