



OGMCOAL DNR <ogmcoal@utah.gov>

August Inspection Report

1 message

Karin Madsen <karinom@utah.gov>

Thu, Aug 18, 2022 at 9:22 AM

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

Good Morning,

Attached you'll find the inspection report for the Complete conducted at Hiawatha this month.

Let me know if you have any questions,

Thanks,

Karin Odendahl-Madsen

Environmental Scientist III

Utah Division of Oil, Gas and Mining

[319 N. Carbonville Rd. Suite C](#)

cell: 385.267.6721

karinom@utah.gov



Hiawatha 8-4-22.pdf

366K



State of Utah

SPENCER J. COX
Governor

DEIDRE M. HENDERSON
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:	COMPLETE
Inspection Report Date:	Mon Aug 15, 2022
Start Date/Time:	08/04/2022 09:00:00
End Date/Time:	08/04/2022 14:00:00
Last Inspection:	Wed Jul 6, 2022

Inspector: Karin Madsen

Weather: Low 80s, clear

InspectionID: I-006072

Accepted by: Steve Christensen

8/18/2022

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

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 Karin Madsen with Dana Jenkins and Miles Stephens for this complete inspection. Mining has begun in Slurry Pit #5, however mining activities were not taking place at time of inspection. While a lot of work remains to be done, restoration of the property after the flood in August of 2021 is coming along. The Permittee has been diligent in recent months removing flood debris, clearing culverts and restoring ditches. ACTION ITEMS: Items requiring action are explained in detail in sections 4b and 16a.

Inspector's Signature:

8-18-22

Date:

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"/>	✓
4e Hydrologic Balance: Effluent Limitations	✓	<input type="checkbox"/>	<input type="checkbox"/>	✓
5 Explosives	✓	<input type="checkbox"/>	<input type="checkbox"/>	✓
6 Disposal of Excess Soil, Fills, Benches	✓	<input type="checkbox"/>	<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"/>
10 Slides and Other Damage	✓	<input type="checkbox"/>	<input type="checkbox"/>	✓
11 Contemporaneous Reclamation	✓	<input type="checkbox"/>	<input type="checkbox"/>	✓
12 Backfilling and Grading	✓	<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"/>
15 Cessation of Operations	✓	<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"/>	<input type="checkbox"/>
17 Other Transportation Facilities	✓	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
18 Support Facilities, Utility Installations	✓	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
19 AVS Check	✓	<input type="checkbox"/>	<input type="checkbox"/>	✓
20 Air Quality Permit	✓	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
21 Bonding and Insurance	✓	<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, no amendments had been submitted to the Division. No permitting actions are under review at the Division at time of inspection. Business License #812 issued by Carbon County will expire 12-31-22. 5 Year Permit Renewal was renewed 3-14-2017 and will expire 3-14-2027. SWPPP permit was renewed 3-30-2020. SPCC permit was renewed 10-25-2021. Air Quality Permit #BAQE-502-89 was issued 7-25-1989 and has no expiration. UPDES permit #UT0023094 was renewed 2-1-2021 and expires 1-31-2026. Certificate of Liability Insurance is held by Imperium Insurance Co. (#MNG-11C-GL-00108200) is on file with the Division and will expire 3-8-2023.

2 Signs and Markers

The identification sign at property boundary of the mine 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. Sagebrush dominates the South Fork topsoil stockpile. This stockpile is signed but not fenced. This stockpile is also overgrazed.

4a Hydrologic Balance: Diversions

The Permittee has been working on restoring the culverts and ditches throughout the property. Culvert inlets are marked with a stake painted blue. Trash racks are being restored as well. In Middle Fork, water enters bypass culvert 25 at approximately 35 GPM. There is also a seep that has formed on the shoulder of the ANR Road (not within permit boundary). The bypass does not capture the flow running down the ANR road above Middle Fork, and there is evidence of that flow channeling across the Middle Fork pad. Bypass culvert 17 is plugged with log debris at its inlet, and damaged along its length. This culvert will need to be repaired as Middle Fork is restored.

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 before July 15th, 2022. All of the ponds have been cleaned successfully with the exception of Pond 8. Repairs to the Middle Fork Road as called out in the previous inspection needed to be made prior to having heavy equipment travel the roadway to safely access Pond 8. Once Middle Fork Road is safe for heavy equipment to travel, the Permittee will finish the cleanup of Pond 8. 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 road ditches. 2nd Quarter sediment pond inspections were completed 6-22-22. The Permittee plans on surveying the ponds after they are all cleaned and repaired. Sediment markers will be replaced when the ponds are surveyed. After the ponds are surveyed, the Permittee plans to submit As-Builts to the Division. Pond 003 – Upper Rail Yard – 60%=7212.0' Estimated Sediment level = 7210.0'. Pond was dry at time of inspection, but showed signs of recent storm water. Pond 004 – North of Slurry Pond #1 – 60%=7087.8' Estimated Sediment level= 7087'. Pond was dry at time of inspection. Decant has been restored. Pond 006 – East of Slurry Pond 5a – 60%=6990.0' Estimated sediment level = 6988.5'. Pond was dry at time on inspection. Decant has been replaced. Pond 008 – Middle Fork – 60%=8034.8' Estimated sediment level = 8043'. Pond will be cleaned after Middle Fork Road has been repaired. Pond 009 – South Fork Upper – 60%=7902.2' Estimated sediment level =7902'. Decant has been replaced, but will be cut off to correct level when the pond is surveyed. Pond 011 – South Fork Lower – 60%= 7711.4' Estimated sediment level = 7709'. Decant will be replaced when surveyed. ACTION ITEMS: Clean Pond 8 when Middle Fork Road is repaired.

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. Sediment entering the Middle Fork pad from the ANR road above must be controlled. This will require earthwork and seeding. Sediment that is accumulating on the Middle Fork pad must be scraped up, stockpiled and bermed on the pad

4d Hydrologic Balance: Water Monitoring

During the field inspection, the Mohrland area was visited, and the UPDES point was observed. It was flowing into the pipeline as intended. While the Mohrland area and pipeline are no longer incorporated into the MRP, the pipeline follows the railroad ROW back to the town of Hiawatha, into a holding tank and is used in the residences. Excess water overflows from the tank into a ditch on the permitted area, which is sampled as UPDES 002.

4e Hydrologic Balance: Effluent Limitations

There are 11 UPDES sites associated with this permit. UPDES sites 001 and 002 are the only two sites that routinely discharge water. The DMRs for the previous quarter have been submitted through the Division of Water Quality's online NetDMR database.

5 Explosives

There are not currently explosives stored on the property.

7 Coal Mine Waste, Refuse Piles, Impoundments

The refuse pile area was clear of materials and was free of rills or gullies. The refuse pile 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.

10 Slides and Other Damage

Repairs to the property from the flood in August of 2021 are still underway.

11 Contemporaneous Reclamation

An unknown volume of sediment was cleared from Middle Fork in 2021 and placed in the Lower Preparation Plant yard also for reclamation. (The area remaining to be reclaimed is shown on Ex. II-4A.) If these stockpiles are not utilized in 2022, they must be bermed and seeded.

12 Backfilling and Grading

Sediment removed from Middle Fork was 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.

13 Revegetation

The Permittee has applied seed to the property including in areas of flood debris storage. Rocky Mountain Bee Plant is abundant across Middle Fork.

15 Cessation of Operations

Permittee has come out of Temporary Cessation to mine fines out of Slurry Ponds 1 and 5a. Mining was not taking place at time of inspection.

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, and 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 was instructed during the last inspection to barricade the damaged road and close the gate to restrict access, which was done. Road cones have been placed around the erosion of the road surface to warn potential traffic of the hazards. Rock from flood debris has been separated out and is being used to fill the majority of the ditch to prep it for fill material from Pond 8. ACTION ITEMS: Restore the road surface and drainage control along the Middle Fork access road.

19 AVS Check

AVS checks are conducted by OSM or the Salt Lake DOGM office. No AVS check was conducted for this inspection.

21 Bonding and Insurance

A reclamation bond in the amount of \$1,940,000 is on file with the Division. A portion of the Hiawatha reclamation bond is designated for the disposal of miscellaneous equipment. The demolition cost estimate table on Page 8-45 of Chapter VIII shows that an amount of \$5,040 has been apportioned for the disposal of miscellaneous equipment.

ATTACHMENTS - HIAWATHA MINE



Photo 1
24 CMP (32) with new blue stake



Photo 2
Pond 6



Photo 3
Rocky Mountain Bee Plant



Photo 4
UPDES 001 at Mohrland portal



Photo 5
Pond 4



Photo 6
Middle Fork ANR road



Photo 7
Pond 3



Photo 8
Middle fork road repair in progress, rock fill taken from flood debris



Photo 9
Parts warehouse cleanup



Photo 10
Pond 9 decant replaced but not surveyed or cut to height yet, 42in CMP UC replaced