



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:	Wednesday, September 4, 2019
Start Date/Time:	9/4/2019 10:30:00 AM
End Date/Time:	9/4/2019 4:00:00 PM
Last Inspection:	Wednesday, April 3, 2019

Representatives Present During the Inspection:	
Company	Charles Reynolds
OGM	Justin Eatchel
OGM	Priscilla Burton
OGM	Todd Miller

Inspector: Todd Miller

Weather: Partly cloudy, 85F

InspectionID Report Number: 6515

Accepted by:

Permittee: **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:

The Division met with company representative Charles Reynolds for a midterm inspection. Middle Fork and South Fork were visually inspected along with disturbed areas near the site entrance and town.

Refer to Chap. II, Ex. II-4A, (Hiawatha area), II-4B (South Fork), II-4C (Middle Fork) for reclamation area (RA) locations. Refer to Ex II-5 for pond locations and topsoil substitute and stockpile locations at all disturbed areas. Refer to Chap V Ex V-5 for Middle Fork drainage controls.

Inspector's Signature:

Todd Miller,

Inspector ID Number: 76

Date Tuesday, September 10, 2019



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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. Signs and Markers	<input type="checkbox"/>	<input type="checkbox"/>	<input 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 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 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 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 type="checkbox"/>	<input type="checkbox"/>	<input 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 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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"/>

1. Permits, Change, Transfer, Renewal, Sale

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." 2018 Annual Report, p. 1.

The Lower Preparation Plant (RA-7) Slurry pond 5 (RA-2), Slurry pond 4 and Refuse Pile 2 (RA-5), Borrow area F (RA-6) and a portion of Borrow Area A have all received phase III bond release (Refer to Ex. II-4A).

3. Topsoil

Two topsoil stockpiles are shown on Ex. II-5: the Middle Fork and South Fork topsoil stockpiles. Both stockpiles are signed and bermed. The South Fork stockpile contains 1,206 CY and the Middle Fork stockpile contains 354 CY. They were photographed. Both stockpiles are heavily grazed.

A large stockpile of flood sediments surrounds the bathhouse in Middle Fork. The stockpile was seeded last Fall and is growing mainly Rocky Mountain Bee plant (*Cleome serrulata*). The reclamation use of this stockpiled soil was discussed and further information is requested in the mid-term review.

Substitute topsoil locations in South Fork, Middle Fork and the Hiawatha area are shown on Ex. II-5. These locations were photographed. They are either undisturbed land (Ridge Borrow Area) or they are pad slopes that received interim seeding. Substitute topsoil location B (0.66 acres) in Middle Fork is severely eroded.

A stockpile of soil, grubbed vegetation and coal fines is located on the Upper Rail Yard. This stockpile was created to facilitate use of the URY as a gun range. The topsoil is approximately 30 ft X 10 ft X 12 ft, perhaps 130 CY. Mr. Reynolds stated that stockpile is largely composed of grubbed vegetation. The reclamation of the URY (p. 2-44) states that scraped coal fines will be placed against the cut to the South. The stockpile should be moved against the South cut of the URY, unless there is a purpose for its current placement. This issue will be followed in subsequent inspections.

4.b Hydrologic Balance: Sediment Ponds and Impoundments

Ponds shown on Ex II-4A and Ex. II-5 were photographed.

9. Protection of Fish, Wildlife and Related Environmental Issues

The Hiawatha permit area is grazed by approximately 200 head of cattle. Cattle confined to Middle Fork during the inspection. Cattle troughs were located on the Middle Fork and South Fork pads.

13. Revegetation

Each of the 6 reference areas were observed. SBR3 and PJR4 were observed to be in good condition with no offsite impacts. RR9 was also observed to be in good condition with no offsite impacts, however it is not marked in the field. MCR2 was destroyed in the Seeley Fire of 2012. SBR12 was observed to be in good condition, however, there is a significant amount of PJ growth in the area. The mountain brush ref. area (MBR1) was observed to have possibly been affected by the fire but it was not clear because all the markers could not be seen from the ground.

16.a Roads: Construction, Maintenance, Surfacing

The asphalt truck loop in Middle Fork is impassable due to surface runoff from the coal stockpile pad above. The surface facilities map Ex. V-5 shows a 12 inch CMP delivering flow over the coal stockpile outslope and across the coal haul road in this location. The slope was also severely eroded as was the substitute topsoil in the middle of the haul loop. Flooding from the Seeley fire (2012) has increased the flow coming across the coal stockpile and down onto the haul loop pad. Several options for controlling this flow were discussed. This issue will be pursued in subsequent inspections.

22. Other

The upper rail yard is being used for a shooting range. The Middle Fork bathhouse has been converted to a police training center.

ATTACHMENT A – Photos September 4, 2019 site visit



REF AREA SBR3

September 4, 2019



REF AREA SBR12

September 4, 2019



REF AREA SBR12

September 4, 2019



REF AREA PJR4

September 4, 2019

ATTACHMENT A – Photos September 4, 2019 site visit



REF AREA PJR4

September 4, 2019



REF AREA RR9

September 4, 2019



REF AREA RR9

September 4, 2019



REF AREA MCR2

September 4, 2019

ATTACHMENT A – Photos September 4, 2019 site visit



REF AREA MBR1

September 4, 2019



RA 1 EAST OF COAL STOCKPILE AREA WEST OF CO RD

September 4, 2019



WILLOWS/CLEMATIS IN RA 1

September 4, 2019



RA 1 CATCH BASINS

September 4, 2019

ATTACHMENT A – Photos September 4, 2019 site visit



RA 1 CATCH BASIN SLURRY POND 4 IN BACKGROUND

September 4, 2019



RA 10 SLURRY POND 1

September 4, 2019



RA 10 SLURRY POND 1

September 4, 2019



RA 9 REFUSE PILE 1

September 4, 2019

ATTACHMENT A – Photos September 4, 2019 site visit



RA 9 REFUSE PILE 1

September 4, 2019



RA 11 & RIDGE BORROW AREA

September 4, 2019



RA 14

September 4, 2019



MIDDLE FORK TOPSOIL

September 4, 2019

ATTACHMENT A – Photos September 4, 2019 site visit



CLEOME FIELD ACROSS FROM MID FORK TOPSOIL

September 4, 2019



RA 13 UPPER RAILYARD

September 4, 2019



RA 13 UPPER RAIL ARD PILE OF BRUSH COAL FINES SOIL

September 4, 2019



UPPER RAIL YARD PIL BRUSH COAL SOIL 35 FT X 15 FT X 7 FT

September 4, 2019

ATTACHMENT A – Photos September 4, 2019 site visit



SOUTH FORK TOPSOIL

September 4, 2019



SOUTH FORK RA 17

September 4, 2019



SOUTH FORK RA 17

September 4, 2019



SOUTH FORK RA 17

September 4, 2019

ATTACHMENT A – Photos September 4, 2019 site visit



SOUTH FORK RA 17

September 4, 2019



SOUTH FORK RA 17

September 4, 2019



SOUTH FORK RA 17

September 4, 2019



SOUTH FORK RA 17

September 4, 2019

ATTACHMENT A – Photos September 4, 2019 site visit



SOUTH FORK RA 17

September 4, 2019



SOUTH FORK RA 21 SED POND 009

September 4, 2019



SOUTH FORK RA 19 SLOPE IS SUBST TOPSOIL A

September 4, 2019



SOUTH FORK RA 19 SLOPE IS SUBST TOPSOIL B

September 4, 2019

ATTACHMENT A – Photos September 4, 2019 site visit



SOUTH FORK RA 19

September 4, 2019



SOUTH FORK RA 19 WATER TANK ROAD

September 4, 2019



SOUTH FORK RA 19 WATER TANK ROAD

September 4, 2019



SOUTH FORK RA 19 WATER TANK

September 4, 2019

ATTACHMENT A – Photos September 4, 2019 site visit



SOUTH FORK RA 19 WATER TANK

September 4, 2019



SOUTH FORK RA 19 WATER TANK

September 4, 2019



SOUTH FORK RA 19 WATER TANK

September 4, 2019



SOUTH FORK RA 19 WATER TANK

September 4, 2019

ATTACHMENT A – Photos September 4, 2019 site visit



SOUTH FORK RA 19 WATER TANK ROAD

September 4, 2019



SOUTH FORK RA 21 SED POND DO11

September 4, 2019



MID FORK RD PART RECLAIMED TRUCK RUNAWAY

September 4, 2019



MID FORK RD PART RECLAIMED TRUCK RUNAWAY

September 4, 2019

ATTACHMENT A – Photos September 4, 2019 site visit



MID FK TROUT UNLIMITED BEAVER DAM ASSIST

September 4, 2019



MID FORK RA 23 SED POND 008

September 4, 2019



MID FORK RA 22 SUBST SOIL SITE C

September 4, 2019



MID FORK RA 22 SUBST SOIL SITE C

September 4, 2019

ATTACHMENT A – Photos September 4, 2019 site visit



MID FORK RA 22 SUBST SOIL SITE B

September 4, 2019



MID FORK RA 22 HAUL ROAD EROSION

September 4, 2019



MID FORK RA 22 HAUL ROAD EROSION

September 4, 2019



MID FORK RA 22 EROSION THRU SUBST SOIL SITE B

September 4, 2019

ATTACHMENT A – Photos September 4, 2019 site visit



MID FORK RA 22 HAUL ROAD EROSION

September 4, 2019



MID FORK RA 22 STOCKPILE AREA ABOVE HAUL ROAD EROSION

September 4, 2019



FLOOD OUTWASH SOILS STOCKPILED AROUND BATHOUSE

September 4, 2019



MID FORK RA 24 SUBST SOIL SITE A

September 4, 2019

ATTACHMENT A – Photos September 4, 2019 site visit



MID FORK RA 24 SUBST SOIL SITE A

September 4, 2019



MID FORK RA 24 SUBST SOIL SITE A

September 4, 2019



MID FORK RA 24

September 4, 2019



MID FORK RA 24 FLOOD OUTWASH SOILS STOCKPILED AROUND BATHHOUSE

September 4, 2019

ATTACHMENT A – Photos September 4, 2019 site visit



MID FORK RA 24 BATHOUSE NOW POLICE TRAINING FACILITY

September 4, 2019



DISTANT VIEW OF RA 10 SLURRY POND 1

September 4, 2019



RA 11 & RIDGE BORROW AREA

September 4, 2019



RA 10 SED POND D004

September 4, 2019

ATTACHMENT A – Photos September 4, 2019 site visit



**RA 10 NORTH EMBANKMENT OF SLURRY POND 1 ABOVE
SED POND D004**

September 4, 2019



RA 1 UPPER RAIL YARD SED POND

September 4, 2019



RA 1 NON-REFUSE AT INTERSECTION MID & S FORK RDS

September 4, 2019



**RA 1 NON-REFUSE AT INTERSECTION MID & UPPER RAIL
YARD RDS**

September 4, 2019

ATTACHMENT A – Photos September 4, 2019 site visit



RA 1 NON REFUSE CATCH BASIN OPPOSITE S FK RD

September 4, 2019



RA 8

September 4, 2019



RA 8

September 4, 2019



RA 8

September 4, 2019

ATTACHMENT A – Photos September 4, 2019 site visit



RA 8

September 4, 2019



RA 8 AND RA 7 ON RIGHT

September 4, 2019



RA 7

September 4, 2019



RA 3 SLURRY POND 5 CELL 5A

September 4, 2019

ATTACHMENT A – Photos September 4, 2019 site visit



RA 4 BORROW AREA A

September 4, 2019



RA 4 BORROW AREA A

September 4, 2019



RA 1 SED POND D006

September 4, 2019



ERIOGONUM GORDONII GROWING IN COAL AND DRY SOILS

September 4, 2019

ATTACHMENT A – Photos September 4, 2019 site visit



FIELDS OF E GORDONII BUCKWHEAT WHITE FLOWER

September 4, 2019



RA 3 EAST SIDE SLURRY POND 5 CELL 5A

September 4, 2019



CLEMATIS SAGE AND GORDONS BUCKWHEAT GROWING IN DISTURBED GROUND

September 4, 2019

PHOTO 28

September 4, 2019