

HIAWATHA COAL COMPANY, INC.

P.O. Box 1240
Huntington, Utah 84528



Office (801) 857-0399

March 24, 2020

Coal Program
Utah Division of Oil, Gas & Mining
1594 West North Temple, Suite 1210
P.O. Box 145801
Salt Lake City, Utah 84114-5801

To Whom It May Concern,

Re: Annual Report 2019, Hiawatha Coal Company, Hiawatha Mine, C/007/0011

Attached is an electronic submittal of the 2019 Annual Report for Hiawatha Coal Company. If you have any questions, please call me at (801) 857-0399 or email me at charles.reynolds@hiawathacoal.com.

Sincerely,

A handwritten signature in blue ink, which appears to read "Charles Reynolds". The signature is fluid and cursive, with the first name being the most prominent.

Charles Reynolds, PE
Mine Manager

2019 ANNUAL REPORT

Submit the completed document and any additional information identified to the Division by March 31, 2020.

GENERAL INFORMATION

Company Name	Hiawatha Coal Company, Inc.	Mine Name	Hiawatha Mine Complex
Permit Number	C/007/0011	Permit expiration Date	2022-03-14
Operator Name	Hiawatha Coal Company, Inc.	Phone Number	+1 (801) 857-0399
Mailing Address	P.O. Box 1240	Email	charles.reynolds@hiawathacoal.com
City	Huntington		
State	Utah	Zip Code	84528

DOGM File Location or Annual Report Location

Excess Spoil Piles

- Required
 Not Required

Refuse Piles

- Required
 Not Required

Appendix A

Impoundments

- Required
 Not Required

Appendix A

Other:

OPERATOR COMMENTS

The Hiawatha Mine Complex continues in temporary cessation at least until the year 2024. No mining is projected in the next 5 years. No coal fines were removed from the coal waste areas in 2019. Water monitoring data has been submitted electronically and is available in the UDOGM water database for review.

REVIEWER COMMENTS

- Met Requirements Did Not Meet Requirements

FUTURE COMMITMENTS AND CONDITIONS

The following commitments are not required for the current annual report year, but will be required by the permittee in the future as indicated by the "status" field. These commitments are included for information only, and do not currently require action. If you feel that the commitment is no longer relevant or needs to be revised, please contact the Division.

Title: REACTIVATION OF OPERATIONAL MONITORING OF SPRINGS

Objective: Monitor springs SP-2, SP-4, SP-5, SP-11, SP-11, SP-12, and SP-13.

Frequency: Quarterly sampling to initiate at least two years prior to resuming underground mining activities.

Status: Monitoring suspended while in temporary cessation.

Reports: Notify Division in Annual report if/when mining is to occur.

Citation: Chapter 7, Section R645-731.214, Table 7-17

Title: SUBSIDENCE MONITORING

Objective: Prior to any future mining, the Permittee commits to collect updated survey information on all subsidence monitoring points to establish a baseline from which to compare data.

Frequency: Annually

Status: Suspended while mine is in temporary cessation.

Reports: annual reports.

Citation: Volume 4, Chapter 5, page 5-50

Title: COAL MINE WASTE CLEANUP

Objective: Remove coal mine waste from areas of slurry ponds and refuse piles.

Frequency: After rough grading to final contour, but prior to topsoil application at final reclamation.

Status: At final reclamation

Reports: Keep records of activity/ volumes to report in bond release application.

Citation: Chapter 5, Section R645-301-541, page 5-103, 5-104 and Ex. II-4A.

Title: NUTRIENTS AND AMENDMENTS TO TOPSOIL

Objective: Ensure adequate growth medium

Frequency: Composite sample topsoil for nutrient status after topsoil application at final reclamation.

Status: At final reclamation.

Reports: Report analytical results to Division prior to fertilizer application.

Citation: Chapter 2, page 2-40 and Chapter 5, Section R645-301-541, page 5-104

Title: REMOVAL OF COAL WASTE

Objective: Remove coal waste from railroad tracks and from small waste piles adjacent to Lower Preparation Plant in order to create a non-toxic root zone of four feet. Waste should be placed in slurry pond 1.

Frequency: After removal of railroad tracks from Hiawatha yard.

Status: At final reclamation

Reports: Keep records of activity/volumes to report in bond release application.

Citation: Chapter 5, Section R645-301-541, page 5-104

Title: SUBSOIL SAMPLING, SAMPLE SLURRY POND #1 AND #5A PRIOR TO REGRADING FOR ACID/TOXIC CHARACTERISTICS

Objective: Create a non-toxic root zone of four feet.

Frequency: After rough grading to final contour, but prior to topsoil application at final reclamation.

Status: At final reclamation

Reports: Report analytical results to Division prior to topsoil application.

Citation: Chapter 2, Section R645-301-241, page 2-40

COMMITMENTS AND CONDITIONS

The Permittee is responsible for ensuring annual technical commitments in the Mining and Reclamation Plan and conditions accepted within the permit are completed throughout the year. The Division has identified these commitments below and has provided space for you to report what you have done during the past year for each commitment. If additional written response is required, it should be filed as an attachment to this report.

Title: ROAD MAINTENANCE

Objective: Erosion control devices and drainage systems will be cleaned. Also, revegetating, brush removal and water for dust control performed as needed. Support drainage, move boulders or timber which block the path and replace culverts as needed for North Fork road.

Frequency: Maintenance should be done on the Pre-SMCRA North Fork road annually.

Status: Ongoing

Reports: Report road conditions during annual report

Citation: Chapter 5, page 5-71

OPERATOR COMMENTS

This road maintenance commitment pertains to the North Fork Road, which acreage was removed from the disturbed area in the 2015 bond release approval. The road is no longer part of the disturbed area based on the approved Table 2-13 and is now being maintained by the land owner, ANR Company, Inc.

REVIEWER COMMENTS Met Requirements Did Not Meet Requirements

REPORTING OF OTHER TECHNICAL DATA

Please list other technical data or information that was not included in the form above, but is required under the approved plan, which must be periodically submitted to the Division.

Please list attachments:

The Department of Commerce Report of Registered Principals is included in Appendix C.

REVIEWER COMMENTS

Met Requirements

Did Not Meet Requirements

MAPS

Copies of mine maps, current and up-to-date, are to be provided to the Division as an attachment to this report in accordance with the requirements of R645-301-525.240. The map copies shall be made in accordance with 30 CFR 75.1200 as required by MSHA. Mine maps are not considered confidential.

Map Name	Map Number	Included		Confidential	
		Yes	No	Yes	No
Subsidence Map	Not required	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Mine Maps	No change	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

REVIEWER COMMENTS Met Requirements Did Not Meet Requirements

APPENDIX A

Certified Reports

Excess Spoil Piles
Refuse Piles
Impoundments

As required under R645-301-514

CONTENTS

Pond D003 Annual Inspection Report
Pond D004 Annual Inspection Report
Pond D006 Annual Inspection Report
Pond D008 Annual Inspection Report
Pond D009 Annual Inspection Report
Pond D0011 Annual Inspection Report
Refuse Pile 1 Annual Inspection
Slurry Pond 1 Annual Inspection
Slurry Pond 5a Annual Inspection

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		D003	Page 1 of 2
Permit Number	C/007/0011	Report Date	12/16/2019
Mine Name	Hiawatha Mine Complex		
Company Name	Hiawatha Coal Company, Inc.		
Impoundment Identification	Impoundment Name	Upper Rail Yard Sediment Pond	
	Impoundment Number	D003	
	UPDES Permit Number	UT0023094	
	MSHA ID Number	N\A	
IMPOUNDMENT INSPECTION			
Inspection Date	November 22, 2019		
Inspected By	Charles Reynolds		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Annual, Quarterly.		
1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.			
The dam was sound & had no signs of structural weakness, erosion or any other hazards, at the time of inspection. The outside banks are vegetated.			
Required for an impoundment which functions as a SEDIMENTATION POND.	2. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.		
	Sediment storage capacity = 1.19 ac-ft 60% cleanout elevation = 7212.0 100% sediment storage elevation = 7212.7 Existing sediment elevation = 7209.2		
	3. Principle and emergency spillway elevations.		
	Principle spillway elevation = 7214.5 Emergency spillway elevation = 7217.7		
4. Field Information. Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/instrumentation information, inlet/outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/repairs, monitoring information, vegetation on outslopes of embankments, etc.			
No discharges occurred to date in 2019. Both the pond inlets and outlets are fine. The pond is dry but contains some snow. The slopes are stable with no significant erosion apparent.			
5. Field Evaluation. Describe any changes in the geometry of the impounding structure, average and maximum depths and elevations of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period.			
There has been no change to the geometry of the sediment pond. The sediment level in the pond has not changed significantly. The existing water storage capacity is 2.18 ac-ft, which is greater than the 0.76 Ac-ft required.			
Qualification Statement	I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.		
	Signature: <u>Charles Reynolds</u>	Date: <u>12/16/19</u>	

CERTIFIED REPORT

IMPOUNDMENT EVALUATION (If NO, explain under Comments)

YES

NO

1. Is impoundment designed and constructed in accordance with the approved plan?

X

2. Is impoundment free of instability, structural weakness, or any other hazardous condition?

X

3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection?

X

COMMENTS AND OTHER INFORMATION

The sediment pond is functioning according to its design.

Certification Statement:

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.



By: Charles Reynolds, Mining Engineer (Full Name and Title)

Signature: [Handwritten Signature] Date: 12/16/2019

P.E. Number & State: 179670, Utah

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		D004	Page 1 of 2
Permit Number	C/007/0011	Report Date	12/16/2019
Mine Name	Hiawatha Mine Complex		
Company Name	Hiawatha Coal Company, Inc.		
Impoundment Identification	Impoundment Name	Pond North of Slurry Pond 1	
	Impoundment Number	D004	
	UPDES Permit Number	UT0023094	
	MSHA ID Number	N\A	
IMPOUNDMENT INSPECTION			
Inspection Date	November 22, 2019		
Inspected By	Charles Reynolds		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)		Annual, Quarterly.	
1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.			
The dam was sound & had no signs of structural weakness, erosion or any other hazards, at the time of inspection.			
Required for an impoundment which functions as a SEDIMENTATION POND.	2. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.		
	Sediment design storage capacity = 0.87 ac-ft 60% cleanout elevation = 7087.8 100% sediment storage elevation = 7089.1 Existing sediment elevation = 7087.0 average		
	3. Principle and emergency spillway elevations.		
Principle spillway elevation = 7089.3 Emergency spillway elevation = 7093.2			
4. Field Information. Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/instrumentation information, inlet/outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/repairs, monitoring information, vegetation on out slopes of embankments, etc.			
No discharges occurred to date in 2019. Both of the pond inlets and outlets are fine. The pond is well vegetated. There was no water in the pond at the time of the inspection. No evidence of erosion existed in or around the sediment pond.			
5. Field Evaluation. Describe any changes in the geometry of the impounding structure, average and maximum depths and elevations of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period.			
The existing water storage capacity is at least 1.42 ac-ft, which is greater than the 0.54 ac-ft required.			
Qualification Statement	I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.		
	Signature:		Date:

CERTIFIED REPORT

IMPOUNDMENT EVALUATION (If NO, explain under Comments)

YES

NO

1. Is impoundment designed and constructed in accordance with the approved plan? X
2. Is impoundment free of instability, structural weakness, or any other hazardous condition? X
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection? X

COMMENTS AND OTHER INFORMATION

The sediment pond appears to be functioning according to its design. The pond was cleaned during the months of August and September. An as-built survey was conducted on October 12, 2018, which verified that except for added depth on the Western portion of the pond the pond configuration remained unchanged. This survey is attached to the inspection report. I anticipate that over time this extra depth will fill in and return the pond to the design depth.

Certification Statement:

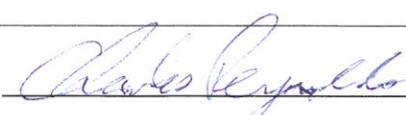
I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.



By: Charles Reynolds, Mining Engineer
(Full Name and Title)

Signature: Charles Reynolds Date: 12/16/2019

P.E. Number & State: 179670, Utah

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		D006	Page 1 of 2
Permit Number	C/007/011	Report Date	12/16/2019
Mine Name	Hiawatha Mine Complex		
Company Name	Hiawatha Coal Company, Inc.		
Impoundment Identification	Impoundment Name	Pond East of Slurry Pond 5A	
	Impoundment Number	D006	
	UPDES Permit Number	UT0023094	
	MSHA ID Number	N\A	
IMPOUNDMENT INSPECTION			
Inspection Date	November 22, 2019		
Inspected By	Charles Reynolds		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Annual, Quarterly.		
1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.			
The dam was sound & had no signs of structural weakness, erosion or any other hazards, at the time of inspection.			
Required for an impoundment which functions as a SEDIMENTATION POND.	2. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.		
	Sediment storage capacity = 1.21 ac-ft 60% cleanout elevation = 6990.0 100% sediment storage elevation = 6991.1 Existing sediment elevation = 6988.1		
	3. Principle and emergency spillway elevations.		
Principle spillway elevation = 6992.6 Emergency spillway elevation = 6993.75			
4. Field Information. Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/instrumentation information, inlet/outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/repairs, monitoring information, vegetation on out slopes of embankments, etc.			
No discharges occurred to date in 2019. The pond inlets and outlets are stable. The pond is well vegetated. The sediment level has not changed since the last quarterly inspection. The pond is dry.			
5. Field Evaluation. Describe any changes in the geometry of the impounding structure, average and maximum depths and elevations of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period.			
No changes in the geometry of the pond have occurred. The pond currently contains 0.06 ac-ft of sediment. The existing storage capacity is 2.94 ac-ft, which is greater than the 1.32 ac-ft required.			
Qualification Statement	I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.		
	Signature: 	Date:	12/16/2019

CERTIFIED REPORT

IMPOUNDMENT EVALUATION (If NO, explain under Comments)	YES	NO
1. Is impoundment designed and constructed in accordance with the approved plan?	X	
2. Is impoundment free of instability, structural weakness, or any other hazardous condition?	X	
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection?	X	

COMMENTS AND OTHER INFORMATION

The sediment pond appears to be functioning according to its design. The sediment level has not increased from the previous inspection.

Certification Statement:

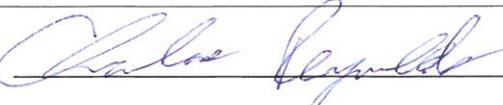


I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.

By: Charles Reynolds, Mining Engineer
 (Full Name and Title)

Signature: Charles Reynolds Date: 12/08/2019

P.E. Number & State: 179670, Utah

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		D008	Page 1 of 2
Permit Number	C/007/011	Report Date	12/16/2019
Mine Name	Hiawatha Mine Complex		
Company Name	Hiawatha Coal Company, Inc.		
Impoundment Identification	Impoundment Name	Middle Fork Sediment Pond	
	Impoundment Number	D008	
	UPDES Permit Number	UT0023094	
	MSHA ID Number	N\A	
IMPOUNDMENT INSPECTION			
Inspection Date	November 22, 2019		
Inspected By	Charles Reynolds		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)		Annual, Quarterly.	
1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.			
The dam was sound & had no signs of structural weakness, erosion or any other hazards, at the time of inspection.			
Required for an impoundment which functions as a SEDIMENTATION POND.	2. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.		
	Sediment storage capacity = 2.70 ac-ft 60% cleanout elevation = 8,034.8 100% sediment storage elevation = 8,036.1 Existing sediment elevation = Pond does not contain any sediment		
	3. Principle and emergency spillway elevations.		
Principle spillway elevation = 8,042.0 Emergency spillway elevation = 8,045.5			
4. Field Information. Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/instrumentation information, inlet/outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/repairs, monitoring information, vegetation on out slopes of embankments, etc.			
The current water elevation is at 8,035. No discharge has occurred from the pond in 2019. The sediment level on the West side of the pond increased some during the spring runoff in the 2 nd Quarter of 2019. Inlet and outlets are stable. No erosion is present.			
5. Field Evaluation. Describe any changes in the geometry of the impounding structure, average and maximum depths and elevations of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period.			
The pond contains approximately 0.25 ac-ft of sediment. The current water storage capacity is about 3.59 ac-ft, which is greater than the required 0.92 ac-ft.			
Qualification Statement	I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.		
	Signature:		Date: 12/16/2019

CERTIFIED REPORT

IMPOUNDMENT EVALUATION (If NO, explain under Comments)

YES

NO

1. Is impoundment designed and constructed in accordance with the approved plan? X
2. Is impoundment free of instability, structural weakness, or any other hazardous condition? X
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection? X

COMMENTS AND OTHER INFORMATION

The sediment pond is functioning in accordance with the design.

Certification Statement:

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.



By: Charles Reynolds, Mining Engineer
 (Full Name and Title)

Signature: [Handwritten Signature] **Date:** 12/16/2019

P.E. Number & State: 179670, Utah

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		D009	Page 1 of 2
Permit Number	C/007/0011	Report Date	12/16/2019
Mine Name	Hiawatha Mine Complex		
Company Name	Hiawatha Coal Company, Inc.		
Impoundment Identification	Impoundment Name	South Fork Upper Sediment Pond	
	Impoundment Number	D009	
	UPDES Permit Number	UT0023094	
	MSHA ID Number	N/A	
IMPOUNDMENT INSPECTION			
Inspection Date	November 22, 2019		
Inspected By	Charles Reynolds		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Annual, Quarterly.		
1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.			
The dam was sound & had no signs of structural weakness, erosion or any other hazards, at the time of inspection.			
Required for an impoundment which functions as a SEDIMENTATION POND.	2. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.		
	Sediment storage capacity = 0.76 ac-ft 60% cleanout elevation = 7,902.2 100% sediment storage elevation = 7,903.5 Existing sediment elevation = 7,902		
	3. Principle and emergency spillway elevations.		
	Principle spillway elevation = 7,903.5 Emergency spillway elevation = 7,910.6		
4. Field Information. Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/instrumentation information, inlet/outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/repairs, monitoring information, vegetation on outslopes of embankments, etc.			
No discharges have occurred in 2019. Both the pond inlet and outlets are fine. The pond is well vegetated. No changes have been made to the configuration since the last inspection.			
5. Field Evaluation. Describe any changes in the geometry of the impounding structure, average and maximum depths and elevations of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period.			
No changes in the geometry of the pond have occurred. The pond currently contains 0.5 acre-ft of sediment. The existing storage capacity is 3.25 ac-ft, which is greater than the 2.99 ac-ft required.			
Qualification Statement	I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.		
	Signature: <u>Charles Reynolds</u>		Date: <u>12/16/2019</u>

CERTIFIED REPORT

IMPOUNDMENT EVALUATION (If NO, explain under Comments)

YES

NO

1. Is impoundment designed and constructed in accordance with the approved plan? X
2. Is impoundment free of instability, structural weakness, or any other hazardous condition? X
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection? X

COMMENTS AND OTHER INFORMATION

The sediment pond appears to be functioning according to its design. The sediment level hasn't changed noticeably since the last inspection.

Certification Statement:

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.



By: Charles Reynolds, Mining Engineer
 (Full Name and Title)

Signature: Charles Reynolds Date: 12/18/2019

P.E. Number & State: 179670, Utah

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		D011	Page 1 of 2
Permit Number	C/007/011	Report Date	12/16/2019
Mine Name	Hiawatha Mine Complex		
Company Name	Hiawatha Coal Company, Inc.		
Impoundment Identification	Impoundment Name	South Fork Lower Sediment Pond	
	Impoundment Number	D011	
	UPDES Permit Number	UT0023094	
	MSHA ID Number	N\A	
IMPOUNDMENT INSPECTION			
Inspection Date	November 22, 2019		
Inspected By	Charles Reynolds		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Annual, Quarterly.		
1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.			
The dam was sound & had no signs of structural weakness, erosion or any other hazards at the time of inspection.			
Required for an impoundment which functions as a SEDIMENTATION POND.	2. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.		
	Sediment storage capacity = 0.36 ac-ft 60% cleanout elevation = 7,713.9 100% sediment storage elevation = 7,713 Existing sediment elevation = 7,709.8		
	3. Principle and emergency spillway elevations.		
Principle spillway elevation = 7,713 Emergency spillway elevation = 7,718.7			
4. Field Information. Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/instrumentation information, inlet/outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/repairs, monitoring information, vegetation on outslopes of embankments, etc.			
No discharges occurred to date in 2019. Both the pond inlet and outlets are fine. The pond is well vegetated. No changes have been made to the configuration since the last inspection. The pond is dry.			
5. Field Evaluation. Describe any changes in the geometry of the impounding structure, average and maximum depths and elevations of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period.			
No changes in the geometry of the pond have occurred. The pond currently contains 0.07 ac-ft of sediment. The existing storage capacity is 0.71 ac-ft, which is greater than the 0.31 ac-ft required.			
Qualification Statement	I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.		
	Signature:		Date:

CERTIFIED REPORT

IMPOUNDMENT EVALUATION (If NO, explain under Comments)

YES

NO

1. Is impoundment designed and constructed in accordance with the approved plan? X
2. Is impoundment free of instability, structural weakness, or any other hazardous condition? X
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection? X

COMMENTS AND OTHER INFORMATION

The sediment pond appears to be functioning according to its design. The sediment level hasn't changed noticeably since the previous inspection.

Certification Statement:



I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.

By: Charles Reynolds, Mining Engineer
 (Full Name and Title)

Signature: Charles Reynolds Date: 12/16/2019

P.E. Number & State: 179670, Utah

State of Utah
DEPARTMENT OF NATURAL RESOURCES
Division of Oil, Gas & Mining

1594 West North Temple, Suite 1210, PO Box 145801, Salt Lake City, UT 84114-5801
 Telephone (801) 538-5340 facsimile (801) 359 3940 TTY (801) 538-7458
www.ogm.utah.gov



Quarterly Inspection Form - Refuse Disposal Areas
 (please provide to DOGM promptly after inspection is complete)

Permit Number : C/007/0011 Inspection Date : November 22, 2019
 Mine Name : Hiawatha Mine Complex Quarter / Year : 4th Quarter, 2019
 Mine Operator (Permittee) : Hiawatha Coal Company, Inc. Inspector Name : Charles Reynolds
 MSHA ID # : 1211-UT-09-02157-04 Inspector Signature : *Charles Reynolds*
 Facility Name / Location / Address : Refuse Pile 1

1. Describe any changes in the geometry of the structure (as well as instrumentation, if any, used to monitor changes):
No material was added to or removed from the refuse pile since the last inspection.

2. Lift Height / Thickness Avg N/A Maximum N/A # _____ Elevation of Active Benches : N/A , _____

3. Vertical Angle of Outslope(s) / Location(s) where measured 38 deg NE / 41 deg SE / 41 deg E / 40 deg N

4. Total storage capacity: N/A Remaining storage capacity Unknown Volume placed during year : 0

5. Describe foundation preparation (including removal of vegetation, stumps, topsoil, and all other organic material) :
N/A

6. Describe placement and compaction of fill materials (including an explanation of how compaction is confirmed) :
N/A

7. Is there any evidence of fires or burning on the structure ? (If YES, specify extent, location, and abatement/extinguishment of such fires) :
No. The refuse pile is stable.

8. Describe placement of under drains, protective filter systems, and final surface drainage systems (report any seepage, including location, color, flow) :
N/A

9. Describe any appearances of instability, structural weakness, or other hazardous conditions :
No instability or erosion was observed.

10. Please provide any other information pertaining to the stability of the structure (attach any photos taken during the inspection)

- Are there cracks or scarps in crest ? YES NO
- Is there any detectable sloughing or bulging ? YES NO
- Do slope erosion problems exist ? YES NO
- Cracks or scarps in slope ? YES NO
- Surface movements? (valley bottom, hillsides) YES NO
- Erosion of Toe ? YES NO
- Water impounded by structure ? YES NO
- Are diversion ditches stable? YES NO
- Is drainage positive ? YES NO

Could failure of structure create an impoundment (provide description) ?
No. See above.

Are design standards established within the mining and reclamation plan for the disposal facility being met ?
Yes.

Proctor Determination : Refuse is stable. No hazardous conditions were observed.

I hereby certify that: I am experienced in the construction of earth and rock fills; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of earth and rock fills in accordance with structure; that the fill structure has been maintained in accordance with the approved design and meets or exceeds the minimum design requirements under all applicable federal, state, and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

(place P.E. certification below)



State of Utah
DEPARTMENT OF NATURAL RESOURCES
Division of Oil, Gas & Mining

1594 West North Temple, Suite 1210, PO Box 145801, Salt Lake City, UT 84114-5801
 Telephone (801) 538-5340 facsimile (801) 359 3940 TTY (801) 538-7458
www.ogm.utah.gov



Quarterly Inspection Form - Refuse Disposal Areas

(please provide to DOGM promptly after inspection is complete)

Permit Number : C/007/011 Inspection Date : November 22, 2019
 Mine Name : Hiawatha Mine Complex Quarter / Year : 4th Quarter, 2019
 Mine Operator (Permittee) : Hiawatha Coal Company, Inc. Inspector Name : Charles Reynolds
 MSHA ID # : 1211-UT-09-02157-01 Inspector Signature : *Charles Reynolds*
 Facility Name / Location / Address : Slurry Pond 1

1. Describe any changes in the geometry of the structure (as well as instrumentation, if any, used to monitor changes):
No changes have been made to the pond. No material was added or removed.

2. Lift Height / Thickness Avg N/A Maximum N/A # _____ Elevation of Active Benches : N/A , _____ , _____
 3. Vertical Angle of Outslope(s) / Location(s) where measured 41 deg. N / 39 deg S / 41 deg E / _____
 4. Total storage capacity: N/A Remaining storage capacity 50,000 cu.yd. min Volume placed during year : 0
 5. Describe foundation preparation (including removal of vegetation, stumps, topsoil, and all other organic material) :
N/A

6. Describe placement and compaction of fill materials (including an explanation of how compaction is confirmed) :
No changes have been made to the configuration.

7. Is there any evidence of fires or burning on the structure ? (If YES, specify extent, location, and abatement/extinguishment of such fires) :
No.

8. Describe placement of under drains, protective filter systems, and final surface drainage systems (report any seepage, including location, color, flow) :
N/A

9. Describe any appearances of instability, structural weakness, or other hazardous conditions :
No instability or erosion was observed. Drainage controls appear to be functioning.

10. Please provide any other information pertaining to the stability of the structure (attach any photos taken during the inspection)

Are there cracks or scarps in crest ?	YES	<input type="checkbox"/>	NO	<input checked="" type="checkbox"/>
Is there any detectable sloughing or bulging ?	YES	<input type="checkbox"/>	NO	<input checked="" type="checkbox"/>
Do slope erosion problems exist ?	YES	<input type="checkbox"/>	NO	<input checked="" type="checkbox"/>
Cracks or scarps in slope ?	YES	<input type="checkbox"/>	NO	<input checked="" type="checkbox"/>
Surface movements? (valley bottom, hillsides)	YES	<input type="checkbox"/>	NO	<input checked="" type="checkbox"/>
Erosion of Toe ?	YES	<input type="checkbox"/>	NO	<input checked="" type="checkbox"/>
Water impounded by structure ?	YES	<input type="checkbox"/>	NO	<input checked="" type="checkbox"/>
Are diversion ditches stable?	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>
Is drainage positive ?	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>

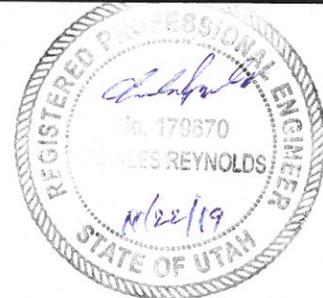
Could failure of structure create an impoundment (provide description) ?
No. See above.

Are design standards established within the mining and reclamation plan for the disposal facility being met ?
Yes.

Proctor Determination : Refuse is stable. No changes have occurred to the slurry pond.

I hereby certify that: I am experienced in the construction of earth and rock fills; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of earth and rock fills in accordance with structure; that the fill structure has been maintained in accordance with the approved design and meets or exceeds the minimum design requirements under all applicable federal, state, and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

(place P.E. certification below)



State of Utah
DEPARTMENT OF NATURAL RESOURCES
Division of Oil, Gas & Mining

1594 West North Temple, Suite 1210, PO Box 145801, Salt Lake City, UT 84114-5801
 Telephone (801) 538-5340 facsimile (801) 359 3940 TTY (801) 538-7458
www.ogm.utah.gov



Quarterly Inspection Form - Refuse Disposal Areas
 (please provide to DOGM promptly after inspection is complete)

Permit Number : C/007/011 Inspection Date : November 22, 2019
 Mine Name : Hiawatha Mine Complex Quarter / Year : 4th Quarter, 2019
 Mine Operator (Permittee) : Hiawatha Coal Company, Inc. Inspector Name : Charles Reynolds
 MSHA ID # : 1211-UT-09-02157-03 Inspector Signature : *Charles Reynolds*
 Facility Name / Location / Address : Slurry Pond 5A

1. Describe any changes in the geometry of the structure (as well as instrumentation, if any, used to monitor changes):
No changes have been made to the pond. No material was added or removed.

2. Lift Height / Thickness Avg N/A Maximum N/A # _____ Elevation of Active Benches : N/A, _____
 3. Vertical Angle of Outslope(s) / Location(s) where measured 36 deg left / 39 deg mid / 41 deg right / 38 deg Sth
 4. Total storage capacity: N/A Remaining storage capacity ~50,000 cu.yd. Volume placed during year : 0
 5. Describe foundation preparation (including removal of vegetation, stumps, topsoil, and all other organic material) :
N/A

6. Describe placement and compaction of fill materials (including an explanation of how compaction is confirmed) :
No changes have been made to the configuration.

7. Is there any evidence of fires or burning on the structure ? (If YES, specify extent, location, and abatement/extinguishment of such fires) :
No.

8. Describe placement of under drains, protective filter systems, and final surface drainage systems (report any seepage, including location, color, flow) :
N/A

9. Describe any appearances of instability, structural weakness, or other hazardous conditions :
No instability or erosion was observed. Drainage controls appear functioning.

10. Please provide any other information pertaining to the stability of the structure (attach any photos taken during the inspection)

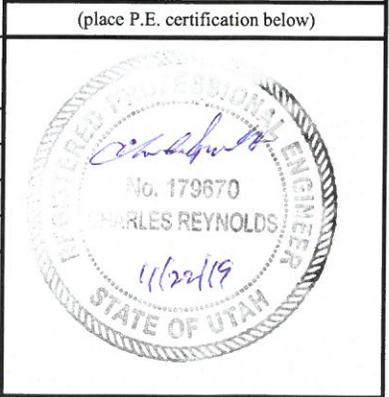
Are there cracks or scarps in crest ?	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	_____
Is there any detectable sloughing or bulging ?	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	_____
Do slope erosion problems exist ?	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	_____
Cracks or scarps in slope ?	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	_____
Surface movements? (valley bottom, hillsides)	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	_____
Erosion of Toe ?	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	_____
Water impounded by structure ?	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	_____
Are diversion ditches stable?	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	_____
Is drainage positive ?	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	_____

Could failure of structure create an impoundment (provide description) ? _____
No. See above.

Are design standards established within the mining and reclamation plan for the disposal facility being met ?
Yes.

Proctor Determination : Refuse appears stable. No changes have occurred to the slurry pond.

I hereby certify that: I am experienced in the construction of earth and rock fills; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of earth and rock fills in accordance with structure; that the fill structure has been maintained in accordance with the approved design and meets or exceeds the minimum design requirements under all applicable federal, state, and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.



APPENDIX B

Reporting of Technical Data

Including monitoring data, reports, maps, and other information
As required under the approved plan or as required by the Division

In accordance with the requirement of R645-310-130 and R645-301-140

CONTENTS

None.

APPENDIX C

Legal Financial, Compliance and Related Information

Annual Report of Officers
As submitted to the Utah Department of Commerce

Other change in ownership and control information
As required under R645-301-110

CONTENTS

Annual Report of Officers

Registered Principals

Name	Type	City	Status
HIAWATHA COAL COMPANY, INC.	Corporation	Salt Lake City	Active
Position	Name	Address	
Registered Agent	COMMERCIAL AGENT SERVICES, LLC	3212 S STATE STREET	Salt Lake City UT 84115
President	E O FINLEY	3212 S STATE ST	Salt Lake City UT 84115
Director	E O FINLEY	3212 S STATE ST	Salt Lake City UT 84115
Treasurer	N J FINLEY	3212 S STATE ST	SALT LAKE CITY UT 84115
Director	N J FINLEY	3212 S STATE ST	Salt Lake City UT 84115
Secretary	N J FINLEY	3212 S STATE ST	SALT LAKE CITY UT 84115
Vice President	N J FINLEY	3212 S STATE ST	Salt Lake City UT 84115
If you believe there may be more principals, click here to View Filed Documents			

Search by:

Business Name:

APPENDIX D

Mine Maps

As required under R645-302-525-270

CONTENTS

None

APPENDIX E

Other Information

In accordance with the requirements of R645-301 and R645-302

CONTENTS

None