

C/007/0011  
Received 3/30/15  
Task ID #4860

# HIAWATHA COAL COMPANY, INC.

P.O. Box 1240  
Huntington, Utah 84528



Office (801) 857-0399

March 25, 2015

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 2014, Hiawatha Coal Company, Hiawatha Mine, C/007/011**

Enclosed is an electronic submittal of the 2014 Annual Report for Hiawatha Coal Company. A hard copy is being mailed out, to the Salt Lake office.

If you have any questions, please call me at (801) 857-0399 or email me at [charles.reynolds@hiawathacoal.com](mailto:charles.reynolds@hiawathacoal.com).

Sincerely,

A handwritten signature in cursive script, appearing to read "Charles Reynolds".

Charles Reynolds, PE  
Mine Manager

Print Form

Submit by Email

Reset Form

# Annual Report

This Annual Report shows information the Division has for your mine. Submit the completed document and any additional information identified in the Appendices to the Division by the date specified in the cover letter. During a complete inspection an inspector will check and verify the information.

## GENERAL INFORMATION

Company Name	Hiawatha Coal Company, Inc.	Mine Name	Hiawatha Mine Complex
Permit Number	C/007/0011	Permit expiration Date	03/14/2017
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	<input type="checkbox"/> Required <input checked="" type="checkbox"/> Not Required	Not Required
Refuse Piles	<input checked="" type="checkbox"/> Required <input type="checkbox"/> Not Required	Appendix A
Impoundments	<input checked="" type="checkbox"/> Required <input type="checkbox"/> Not Required	Appendix A
Other: Water Monitoring		Electronic database

## OPERATOR COMMENTS

Vegetation sampling was completed in 2013, for phase 2 bond release. However, the final report is not yet available, from the consultant. Hiawatha will submit the report upon availability.

## 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:** MRP, 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:** MRP, 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:** Ongoing

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

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

**Citation:** MRP, 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:** MRP, 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:** Long term, final reclamation of slurry pond 1.

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

**Citation:** MRP, Chapter 5, Section r645-301-541, page 5-104.

**Title: SAMPLE SLURRY POND #1 AND #5A PRIOR TO REGRADING FOR ACID/TOXIC CHARACTERISTICS.**

**Objective:** Maintain 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, prior to topsoil application.

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

**Citation:** MRP, Chapter 2, Section r645-301-241, page 2-40

**Title: SUBSOIL SAMPLING**

**Objective:** Maintain 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:** MRP, Chapter 2, Section r645-301-241, page 2-40

**OPERATOR COMMENTS (OPTIONAL)**

**REVIEWER COMMENTS**

## 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, Annual Report of Officers is in Appendix C

Reviewer Comments

# 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
Annual Subsidence Map	Not Required	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Mine Map	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 D007 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/007/011	Report Date	12/9/2014
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	
<b>IMPOUNDMENT INSPECTION</b>			
Inspection Date	December 9, 2014		
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 = 0.84 ac-ft 60% cleanout elevation = 7212.0 100% sediment storage elevation = 7212.7 Existing sediment elevation = 7212.2		
	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 in 2014. Both, the pond inlets and outlets are fine. The pond is well vegetated. The fall flooding has filled the pond with sediment. Pond is slightly over the 60% cleanout level and should be cleaned as soon as weather conditions permit.			
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 have occurred in the geometry of the pond. The existing sediment volume is 0.60 ac-ft. The existing storage capacity is 1.0 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>12/9/14</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 increased in 2014 and should be cleaned when snow melts to allow access by equipment.

**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: 12/9/14

P.E. Number & State: 179670 Utah

Permit Number	C/007/011	Report Date	12/9/2014
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Mine Name	Hiawatha Mine Complex		
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Company Name	Hiawatha Coal Company, Inc.		
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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	December 9, 2014		
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Inspected By	Charles Reynolds		
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Reason for Inspection <small>(Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)</small>	Annual, Quarterly.		
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**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.	<p><b>2. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.</b></p> <p>Sediment storage capacity = 0.87 ac-ft          60% cleanout elevation = 7087.8          100% sediment storage elevation = 7089.1          Existing sediment elevation = 7087.0</p> <p><b>3. Principle and emergency spillway elevations.</b></p> <p>Principle spillway elevation = 7089.3          Emergency spillway elevation = 7093.2</p>
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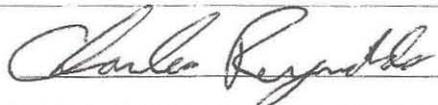
**4. Field Information.** Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/instrumentation information, inlet/outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/repairs, monitoring information, vegetation on out slopes of embankments, etc.

No discharges occurred to date in 2014. Both the pond inlets and outlets are fine. The pond is well vegetated. No changes have been made to the configuration since the last annual 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 existing sediment volume is 0.03 ac-ft. The existing storage capacity is 1.38 ac-ft, which is greater than the 0.54 ac-ft required.

Qualification Statement	<p>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.</p>		
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Signature: 	Date: <u>12/9/14</u>
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**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 noticeably increased since the last annual 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: 12/9/14

P.E. Number & State: 179670, Utah

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		D006	Page / of 2
Permit Number	C/007/011	Report Date	12/9/2014
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	
<b>IMPOUNDMENT INSPECTION</b>			
Inspection Date	December 9, 2014		
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 2014. The pond outlets are stable. The pond is well vegetated. Due to some erosion from the slurry Pond 5A breach, a partial cleanout of the pond was conducted in September. No changes were made to the configuration during the partial cleanout.			
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 0.05 ac-ft of sediment. The existing storage capacity is 2.95 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:	12/9/14

**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 increased slightly from the previous annual inspection.

**Certification Statement:**

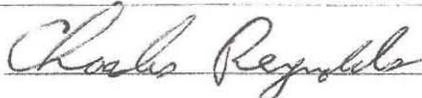
I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained 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: 12/9/14

P.E. Number & State: 179670, Utah

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		D007	Page 1 of 2
Permit Number	C/007/011	Report Date	12/9/2014
Mine Name	Hiawatha Mine Complex		
Company Name	Hiawatha Coal Company, Inc.		
Impoundment Identification	Impoundment Name	Pond Southeast of Slurry Pond 5	
	Impoundment Number	D007	
	UPDES Permit Number	UT0023094	
	MSHA ID Number	N\A	
<b>IMPOUNDMENT INSPECTION</b>			
Inspection Date	December 9, 2014		
Inspected By	Charles Reynolds		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Annual, Quarterly.		
<b>1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.</b>			
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.	<b>2. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.</b>		
	Sediment storage capacity = 0.68 ac-ft 60% cleanout elevation = 6,990.9 100% sediment storage elevation = 6,991.2 Existing sediment elevation = 6,986.2		
	<b>3. Principle and emergency spillway elevations.</b>		
Principle spillway elevation = 6,991.7 Emergency spillway elevation = 6,996.5			
<b>4. Field Information.</b> 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 2014. Both, the pond inlets and outlets are fine. The pond is well vegetated. No changes have been made to the configuration except to uncover the decant outlet which had been buried due to maintenance on the adjacent road. This did not measurably change the pond configuration.			
<b>5. Field Evaluation.</b> 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 0.18 ac-ft sediment. The existing storage capacity is 2.42 ac-ft, which is greater than the 0.74 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 noticeably increased since the previous annual 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: 12/9/14

P.E. Number & State: 179670 Utah

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		D008	Page 1 of 2
Permit Number	C/007/011	Report Date	12/9/2014
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	December 9, 2014		
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. Prior erosion from the Seeley Fire flooding had been repaired.

Required for an impoundment which functions as a SEDIMENTATION POND.	<b>2. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.</b>
	Sediment storage capacity = 0.48 ac-ft 60% cleanout elevation = 8,034.8 100% sediment storage elevation = 8,036.1 Existing sediment elevation = 8,040.5
	<b>3. Principle and emergency spillway elevations.</b>
	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 outslopes of embankments, etc.

Due to flooding from Seeley Fire damage, two events occurred in 2014 which exceeded the design capacity, Both during the ongoing cleanout process. The pond outlets have been repaired. Clean out of the pond has been ongoing as the pond dries out. Although material was removed in 2014, continued flooding partially refilled the pond. It currently is covered with snow. Clean out will continue in 2015 as weather conditions allow. Upon completion, new as-builts will be submitted to the Division.

**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 an estimated 3.1 ac-ft of sediment. The current storage capacity is about 0.5 ac-ft. Pond is functioning, but cleanout needs to be completed.

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>12/9/14</u>

**CERTIFIED REPORT**

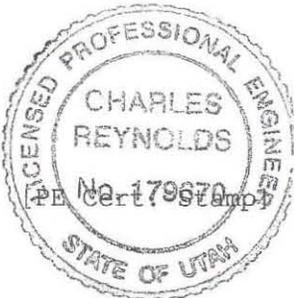
IMPOUNDMENT EVALUATION (If NO, explain under Comments)	YES	NO
1. Is impoundment designed and constructed in accordance with the approved plan?	X	
2. Is impoundment free of instability, structural weakness, or any other hazardous condition?	X	
3. Has the impoundment met all applicable performance standards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

**COMMENTS AND OTHER INFORMATION**

The sediment pond is functioning, but does not have the full available cleanout capacity. Clean out has been ongoing since 2013 as storm events continue to fill the pond with sediment. Cleanout activities will continue in 2015 and as long as flooding in the canyon continues. Once design storage capacity is reached, the pond will be re-surveyed to verify that the configuration has not significantly changed, and if necessary a new as-built drawing will be submitted.

**Certification Statement:**

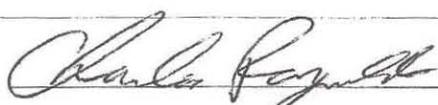
I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained 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: 12/9/14

P.E. Number & State: 179670 Utah

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		D009	Page 1 of 2
Permit Number	C/007/011	Report Date	12/9/2014
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	
<b>IMPOUNDMENT INSPECTION</b>			
Inspection Date	December 9, 2014		
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 = 7,901.9		
	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 occurred to date in 2014. Both the pond inlet and outlets are fine. The pond is well vegetated. No changes have been made to the configuration since the last annual 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 0.47 acre-ft of sediment. The existing storage capacity is 3.28 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: 		Date: 12/9/14

**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 noticeably increased since the previous annual 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: 12/9/14

P.E. Number & State: 179670, Utah

Permit Number	C/007/011	Report Date	12/9/2014
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	December 9, 2014		
Inspected By	Charles Reynolds		

Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Annual, Quarterly.
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**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.	<p><b>2. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.</b></p> <p>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</p> <p><b>3. Principle and emergency spillway elevations.</b></p> <p>Principle spillway elevation = 7,713          Emergency spillway elevation = 7,718.7</p>
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**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 2014. Both the pond inlet and outlets are fine. The pond is well vegetated. No changes have been made to the configuration since the last annual 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 0.07 ac-ft of sediment. The existing storage capacity is 0.71 ac-ft, which is greater than the 0.31 ac-ft required.

<b>Qualification Statement</b>	<p>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.</p> <p>Signature: <u>Charles Reynolds</u>      Date: <u>12/9/14</u></p>
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**CERTIFIED REPORT**

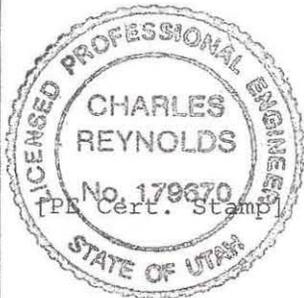
IMPOUNDMENT EVALUATION (If NO, explain under Comments)	YES	NO
1. Is impoundment designed and constructed in accordance with the approved plan?	X	
2. Is impoundment free of instability, structural weakness, or any other hazardous condition?	X	
3. Has the impoundment met all applicable performance standards 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 noticeably increased since the previous annual 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: 12/9/14

P.E. Number & State: 179670 Utah

INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE		1	Page / of 2
Permit Number	C/007/011	Report Date	12/9/2014
Mine Name	Hiawatha Mine Complex		
Company Name	Hiawatha Coal Company, Inc.		
Excess Spoil Pile or Refuse Pile Identification	Pile Name	Refuse Pile No. 1	
	Pile Number	1	
	MSHA ID Number	1211-UT-09-02157-04	
Inspection Date	12/9/2014		
Inspected By	Charles Reynolds		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)		Annual, Quarterly.	
		Attachments to Report? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes	
<b>Field Evaluation</b>			
1.      Foundation preparation, including the removal of all organic material and topsoil. N/A.			
2.      Placement of underdrains and protective filter systems. N/A			
3.      Installation of final surface drainage systems. N/A			
4.      Placement and compaction of fill materials. Some material was added to the pile from the clean out of pond D006. It is anticipated that additional material will be added from the cleanout of D008 in 2015. Upon completion of clean out, an as-built drawing will be submitted to the Division.			
5.      Final grading and revegetation of fill. N/A			

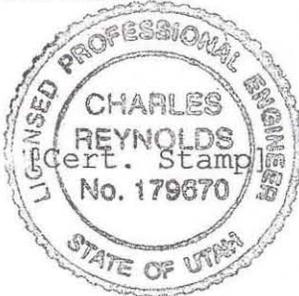
6. Appearances of instability, structural weakness, and other hazardous conditions.

There have been no signs of embankment instability or fires in 2014.

7. Other Comments. Describe any changes in the geometry of the Excess Spoil/Refuse Pile structure, instrumentation, average and maximum lifts of materials placed in the pile, elevations of active benches, total and remaining storage capacity of the structure, evidence of fires in the pile and abatement of such fires, volumes of materials placed in the structure during the year, and any other aspect of the structure affecting its stability or function which has occurred during the reporting period.

Some material was added to the pile from the clean out of sediment pond D006 in 3024. Additional material may be added in 2015 from the cleanout of D008 in the event material is found that is not suitable for topsoil material. Upon completion of clean out of D008, an as-built will be submitted to the Division.

**Certification Statement**



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 the certified and approved designs for this structure; that the fill structure 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.

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

Signature: Charles Reynolds Date: 12/9/14

P.E. Number & State: 179670, Utah

INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE		1	Page / of 2
Permit Number	C/007/011	Report Date	12/9/2014
Mine Name	Hiawatha Mine Complex		
Company Name	Hiawatha Coal Company, Inc.		
Excess Spoil Pile or Refuse Pile Identification	File Name	Slurry Pond 1	
	File Number		
	MSHA ID Number	N/A	
Inspection Date	12/9/2014		
Inspected By	Charles Reynolds		
Reason for Inspection <small>(Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)</small>	Annual, Quarterly.		
	Attachments to Report?	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes
<b>Field Evaluation</b>			
1.	Foundation preparation, including the removal of all organic material and topsoil. N/A		
2.	Placement of underdrains and protective filter systems. N/A		
3.	Installation of final surface drainage systems. N/A		
4.	Placement and compaction of fill materials. 2,462.23 tons of coal fines were removed from Slurry Pond 1, in 2014. In addition, reclamation began consisting of removing the refuse, from the top of the dam & placing inside the slurry pond. Reclamation is now waiting for the completion of coal fines removal from the remaining pond. Upon completion of coal fines removal and reclamation, final configuration as-builts will be submitted to the Division.		
5.	Final grading and revegetation of fill. N/A		

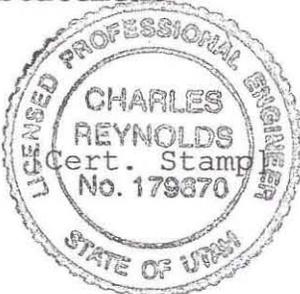
6. Appearances of instability, structural weakness, and other hazardous conditions.

There have been no signs of embankment instability or fires in 2014.

7. Other Comments. Describe any changes in the geometry of the Excess Spoil/Refuse Pile structure, instrumentation, average and maximum lifts of materials placed in the pile, elevations of active benches, total and remaining storage capacity of the structure, evidence of fires in the pile and abatement of such fires, volumes of materials placed in the structure during the year, and any other aspect of the structure affecting its stability or function which has occurred during the reporting period.

Slurry pond 1 was inspected as a refuse pile because the banks and interior contain coal fines and refuse, which are currently being reclaimed. Upon completion of reclamation, final configuration as-builts will be submitted to the division.

**Certification  
Statement**



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 the certified and approved designs for this structure; that the fill structure 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.

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

Signature: Charles Reynolds Date: 12/19/14

P.E. Number & State: 179670 Utah

INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE		5A	Page / of 2
Permit Number	C/007/011	Report Date	12/9/2014
Mine Name	Hiawatha Mine Complex		
Company Name	Hiawatha Coal Company, Inc.		
Excess Spoil Pile or Refuse Pile Identification	File Name	Slurry Pond 5A	
	File Number		
	MSHA ID Number	N/A	
Inspection Date	12/9/2014		
Inspected By	Charles Reynolds		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)		Annual, Quarterly.	
		Attachments to Report? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes	
<b>Field Evaluation</b>			
1.      Foundation preparation, including the removal of all organic material and topsoil.			
N/A			
2.      Placement of underdrains and protective filter systems.			
N/A			
3.      Installation of final surface drainage systems.			
N/A			
4.      Placement and compaction of fill materials.			
601.38 tons of coal fines were removed from Slurry Pond 5A in 2014. Coal fine removal will continue in 2015 based on available sales. Upon completion, final configuration as-builts will be submitted to the Division.			
5.      Final grading and revegetation of fill.			
N/A			

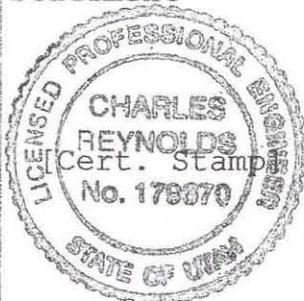
6. Appearances of instability, structural weakness, and other hazardous conditions.

There have been no signs of embankment instability or fires in 2014. Some erosion occurred within the embankment breach which has been repaired and stabilized.

7. Other Comments. Describe any changes in the geometry of the Excess Spoil/Refuse Pile structure, instrumentation, average and maximum lifts of materials placed in the pile, elevations of active benches, total and remaining storage capacity of the structure, evidence of fires in the pile and abatement of such fires, volumes of materials placed in the structure during the year, and any other aspect of the structure affecting its stability or function which has occurred during the reporting period.

Slurry pond 5A was inspected as a refuse pile, because the banks and interior contain coal fines and refuse, which are currently being reclaimed. Upon completion of reclamation, final configuration as-builts will be submitted to the division.

Certification Statement



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 the certified and approved designs for this structure; that the fill structure 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.

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

Signature: Charles Reynolds Date: 12/19/14

P.E. Number & State: 179670 Utah

**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	CARL E KINGSTON	3212 S STATE ST	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
Director	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
Treasurer	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

If you believe there may be more principals, click here to

Search by:

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