

2019 Annual Report
To The Utah Division of Oil, Gas and Mining

Soldier Canyon Mine
C/007/018

Canyon Fuel Company, LLC

P.O. Box 1029

Wellington, UT 84542



**Canyon Fuel
Company, LLC**

A Subsidiary of Wolverinefuels, LLC

Dugout Canyon Mine

P.O. Box 1029
Wellington, Utah 84542
(435) 637-6360
Fax (435) 636-2897

March 12, 2020

Utah Coal Regulatory Program
Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Salt Lake City, UT 84114-5801

RE: 2019 Annual Report for Banning Loadout and Soldier Canyon Mine

To Whom It May Concern:

Please find attached to this e-mail a copy of the Annual Report for 2019 for Soldier Canyon Mine.

If you have any questions or require further information, please contact me at (435) 636-2888.

Sincerely,

A handwritten signature in black ink that reads "R. Jay Marshall".

R. Jay Marshall
Engineering Manager

Attachments

cc. Seth McCourt

APPENDIX A

Certified Reports

Excess Spoil Piles N/A

Refuse Piles N/A

Impoundments

As required under R645-301-514

CONTENTS

Impoundment Inspections

2019 ANNUAL REPORT

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

GENERAL INFORMATION

Company Name	Canyon Fuel Company, LLC	Mine Name	Soldier Canyon Mine
Permit Number	C/007/0018	Permit Expiration Date	February 3, 2022
Operator Name	Same	Phone Number	+1 (435) 636-2888
Mailing Address	P.O. Box 1029	Email	rmarshall@wolverinefuels.com
City	Wellington		
State	Utah	Zip Code	84542

DOGM File Location or Annual Report Location

Excess Spoil Piles	<input type="checkbox"/> Required <input checked="" type="checkbox"/> Not Required	
Refuse Piles	<input type="checkbox"/> Required <input checked="" type="checkbox"/> Not Required	
Impoundments	<input checked="" type="checkbox"/> Required <input type="checkbox"/> Not Required	
Other:		

OPERATOR COMMENTS

REVIEWER COMMENTS

Met Requirements Did Not Meet Requirements

COMMITMENTS AND CONDITIONS

The Permittee is responsible for ensuring annual technical commitments in the Mining and Reclamation Plan and conditions accepted with 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: TOPSOIL STOCKPILES**Objective:** To ensure that an adequate stand of vegetation cover is maintained.**Frequency:** Completion of annual interim reclamation measures as necessary.**Status:** Ongoing**Reports:** Annual Reports**Citation:** Chapter 2, Section 2.31.4, page 2-26**OPERATOR COMMENTS****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: SUBSIDENCE MONITORING**Objective:** Annual subsidence monitoring with direct surveys, visual, etc**Frequency:** Annually when in operations**Status:** When in operation**Reports:** Annual Reports**Citation:** Chapter 5 page 5-26 through 5-28 and 6-20**Title: COAL MINE WASTE AND EXCESS SPOIL****Objective:** All future coal mine waste and excess spoil temporarily stockpiled for longer than 3 months will be analyzed according to Table 6 and lab results submitted to DOGM with the annual report**Frequency:** Annually when in operations and temp piles for longer than 3 months**Status:** When in operation**Reports:** Annual Reports**Citation:** Chapter 5 page 5-26 through 5-28 and 6-20

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:

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
NA		<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"/>
		<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

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		Page 1 of 2	
Permit Number	<i>ACT/007/018</i>	Report Date	<i>2/08/19</i>
Mine Name	<i>Soldier Canyon Mine</i>		
Company Name	<i>Canyon Fuel Company, LLC</i>		
Impoundment Identification	Impoundment Name	<i>Sewage Lagoon</i>	
	Impoundment Number	<i>None</i>	
	UPDES Permit Number	<i>None</i>	
	MSHA ID Number	<i>Impoundment -None (Mine - 42-00077)</i>	
IMPOUNDMENT INSPECTION			
Inspection Date	<i>6/08/19</i>		
Inspected By	<i>Seth McCourt</i>		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	<i>Routine Quarterly Inspection & Annual Certification</i>		
<p>1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.</p> <p><i>There were no signs of instability, structural weakness or other hazardous conditions observed during this inspection.</i></p>			
<p>Required for an impoundment which functions as a SEDIMENTATION POND.</p>	<p>2. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.</p> <p><i>N/A</i></p>		
	<p>3. Principle and emergency spillway elevations.</p> <p><i>N/A</i></p>		
<p>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.</p> <p><i>The sewage lagoon is designed for total containment and has never discharged.</i></p> <p><i>At the time of the inspection, both the south cell and the north cell were dry. This sewage lagoon has been idle and out of service for several years. Some additional vegetation control for this facility would be appropriate.</i></p>			

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.

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

Certification Statement:

[PE Cert. Stamp]

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: R. Jay Marshall Engineering Supervisor

Signature: _____ **Date:** 6/04/2019

P.E. Number & State: No. 152606, State of Utah

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		Page 1 of 2	
Permit Number	ACT/007/018	Report Date	7/11/19
Mine Name	Soldier Canyon Mine		
Company Name	Canyon Fuel Company, LLC		
Impoundment Identification	Impoundment Name	Sewage Lagoon	
	Impoundment Number	None	
	UPDES Permit Number	None	
	MSHA ID Number	Impoundment -None (Mine - 42-00077)	
IMPOUNDMENT INSPECTION			
Inspection Date	5/03/19		
Inspected By	Seth McCourt		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Routine Quarterly Inspection & Annual Certification		
<p>1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.</p> <p><i>There were no signs of instability, structural weakness or other hazardous conditions observed during this inspection.</i></p>			
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.	N/A	
	3. Principle and emergency spillway elevations.	N/A	
<p>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 outsoles of embankments, etc.</p> <p><i>The sewage lagoon is designed for total containment and has never discharged.</i></p> <p><i>At the time of the inspection, both the south cell and the north cell were dry. This sewage lagoon has been idle and out of service for several years. Some additional vegetation control for this facility would be appropriate.</i></p>			

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.

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: *[Handwritten Signature]* Date: 7/11/19

CERTIFIED REPORT

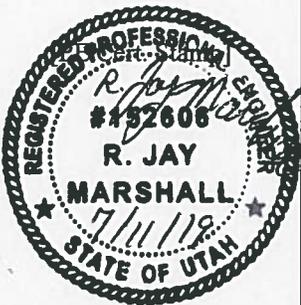
IMPOUNDMENT EVALUATION (If NO, explain under Comments)

	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

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: R. Jay Marshall Engineering Supervisor
 Signature: _____ Date: 7/11/19
 P.E. Number & State: No. 152606, State of Utah

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		Page 1 of 2
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Permit Number	ACT/007/018	Report Date	10/21/19
Mine Name	Soldier Canyon Mine		
Company Name	Canyon Fuel Company, LLC		
Impoundment Identification	Impoundment Name	Sewage Lagoon	
	Impoundment Number	None	
	UPDES Permit Number	None	
	MSHA ID Number	Impoundment -None (Mine - 42-00077)	

IMPOUNDMENT INSPECTION	
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Inspection Date	9/03/19
Inspected By	Seth McCourt
Reason for Inspection <small>(Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)</small>	Routine Quarterly Inspection & Annual Certification

1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.

There were no signs of instability, structural weakness or other hazardous conditions observed during this inspection.

Required for an impoundment which functions as a SEDIMENTATION POND.	<p>2. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.</p> <p style="text-align: center;"><i>N/A</i></p>
	<p>3. Principle and emergency spillway elevations.</p> <p style="text-align: center;"><i>N/A</i></p>

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 sewage lagoon is designed for total containment and has never discharged.

At the time of the inspection, both the south cell and the north cell were dry. This sewage lagoon has been idle and out of service for several years. Some additional vegetation control for this facility would be appropriate.

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.

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: 10/21/19

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

Certification Statement:

[PE Cert. Stamp]

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: _____

Signature: _____ Date: _____

P.E. Number & State: _____

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		Page 1 of 2	
Permit Number	ACT/007/018	Report Date	1/17/2020
Mine Name	Soldier Canyon Mine		
Company Name	Canyon Fuel Company, LLC		
Impoundment Identification	Impoundment Name	Sewage Lagoon	
	Impoundment Number	None	
	UPDES Permit Number	None	
	MSHA ID Number	Impoundment -None (Mine - 42-00077)	
IMPOUNDMENT INSPECTION			
Inspection Date	11/11/19		
Inspected By	Seth McCourt		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Routine Quarterly Inspection & Annual Certification		
<p>1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.</p> <p><i>There were no signs of instability, structural weakness or other hazardous conditions observed during this inspection.</i></p>			
Required for an impoundment which functions as a SEDIMENTATION POND.	<p>2. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.</p> <p><i>N/A</i></p>		
	<p>3. Principle and emergency spillway elevations.</p> <p><i>N/A</i></p>		
<p>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.</p> <p><i>The sewage lagoon is designed for total containment and has never discharged.</i></p> <p><i>At the time of the inspection, both the south cell and the north cell were dry. This sewage lagoon has been idle and out of service for several years. Some additional vegetation control for this facility would be appropriate.</i></p>			

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.

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: *R. Jay Marshall for Keith McCool* Date: 3/12/20

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

Certification Statement:

[PE Cert. Stamp]

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: _____

Signature: _____ Date: _____

P.E. Number & State: _____

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		Page 1 of 2	
Permit Number	<i>ACT/007/018</i>	Report Date	<i>6/04/2019</i>
Mine Name	<i>Soldier Canyon Mine</i>		
Company Name	<i>Canyon Fuel Company, LLC</i>		
Impoundment Identification	Impoundment Name	<i>Surface Facility Sedimentation Pond</i>	
	Impoundment Number	<i>None</i>	
	UPDES Permit Number	<i>UT0023680</i>	
	MSHA ID Number	<i>Impoundment -None (Mine - 42-00077)</i>	
IMPOUNDMENT INSPECTION			
Inspection Date	<i>2/08/2019</i>		
Inspected By	<i>Seth McCourt</i>		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	<i>Routine Quarterly Inspection</i>		
<p>1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.</p> <p><i>There were no signs of instability, structural weakness or other hazardous conditions observed at the sedimentation pond. Sloughage and erosion of the Soldier Creek channel continues to occur adjacent to the incised pond. This has been the case since the pond was constructed and no significant change to this condition was observed.</i></p>			
Required for an impoundment which functions as a SEDIMENTATION POND.	<p>2. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.</p> <p><i>Sediment Storage Capacity (as designed) - 100% = 1.47 acre-feet @ an elevation of 6,649.5 feet</i> <i>- 60% = 0.88 acre-feet @ an elevation of 6,647.5 feet</i></p> <p><i>The estimated average elevation of the existing sediment was 6,646.3 feet. This is 1.2 feet below the established clean-out elevation of 6,647.5 feet.</i></p>		
	<p>3. Principle and emergency spillway elevations.</p> <p><i>Principal Spillway Elevation - 6,654.5 feet</i> <i>Emergency Spillway Elevation – 6,654.5 feet</i></p>		
<p>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.</p> <p><i>At the time of the inspection the pond contained approximately 2 feet of snow.</i></p>			

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.

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

Certification Statement:

[PE Cert. Stamp]

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: ____
(Full Name and Title)

Signature: _____ **Date:** _____

P.E. Number & State: ____

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		Page 1 of 2	
Permit Number	ACT/007/018	Report Date	7/11/2019
Mine Name	Soldier Canyon Mine		
Company Name	Canyon Fuel Company, LLC		
Impoundment Identification	Impoundment Name	Surface Facility Sedimentation Pond	
	Impoundment Number	None	
	UPDES Permit Number	UT0023680	
	MSHA ID Number	Impoundment -None (Mine - 42-00077)	
IMPOUNDMENT INSPECTION			
Inspection Date	5/03/2019		
Inspected By	Seth McCourt		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Routine Quarterly Inspection		
<p>1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.</p> <p><i>There were no signs of instability, structural weakness or other hazardous conditions observed at the sedimentation pond. Sloughage and erosion of the Soldier Creek channel continues to occur adjacent to the incised pond. This has been the case since the pond was constructed and no significant change to this condition was observed.</i></p>			
Required for an impoundment which functions as a SEDIMENTATION POND.	<p>2. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.</p> <p><i>Sediment Storage Capacity (as designed) - 100% = 1.47 acre-feet @ an elevation of 6,649.5 feet</i> <i>- 60% = 0.88 acre-feet @ an elevation of 6,647.5 feet</i></p> <p><i>The estimated average elevation of the existing sediment was 6,646.3 feet. This is 1.2 feet below the established clean-out elevation of 6,647.5 feet.</i></p>		
	<p>3. Principle and emergency spillway elevations.</p> <p><i>Principal Spillway Elevation - 6,654.5 feet</i> <i>Emergency Spillway Elevation - 6,654.5 feet</i></p>		
<p>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 outsoles of embankments, etc.</p> <p><i>At the time of the inspection there was no water impounded..</i></p>			

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.

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: *R. Jay Marshall* Date: 7/11/19

CERTIFIED REPORT

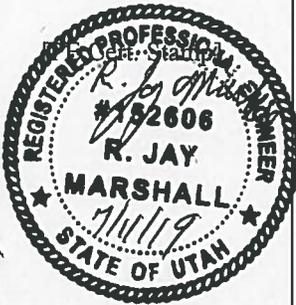
IMPOUNDMENT EVALUATION (If NO, explain under Comments)

	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

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: *R. Jay Marshall Eng Mgr*
 (Full Name and Title)
 Signature: *R. Jay Marshall* Date: 7/11/19
 P.E. Number & State: 152606

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		Page 1 of 2
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Permit Number	ACT/007/018	Report Date	10/21/2019
Mine Name	Soldier Canyon Mine		
Company Name	Canyon Fuel Company, LLC		
Impoundment Identification	Impoundment Name	Surface Facility Sedimentation Pond	
	Impoundment Number	None	
	UPDES Permit Number	UT0023680	
	MSHA ID Number	Impoundment -None (Mine - 42-00077)	

IMPOUNDMENT INSPECTION

Inspection Date	9/03/2019
Inspected By	Seth McCourt
Reason for Inspection <small>(Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)</small>	Routine Quarterly Inspection

1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.

There were no signs of instability, structural weakness or other hazardous conditions observed at the sedimentation pond. Sloughage and erosion of the Soldier Creek channel continues to occur adjacent to the incised pond. This has been the case since the pond was constructed and no significant change to this condition was observed.

Required for an impoundment which functions as a SEDIMENTATION POND.	<p>2. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.</p> <p><i>Sediment Storage Capacity (as designed) - 100% = 1.47 acre-feet @ an elevation of 6,649.5 feet</i> <i>- 60% = 0.88 acre-feet @ an elevation of 6,647.5 feet</i></p> <p><i>The estimated average elevation of the existing sediment was 6,646.3 feet. This is 1.2 feet below the established clean-out elevation of 6,647.5 feet.</i></p> <p>3. Principle and emergency spillway elevations.</p> <p><i>Principal Spillway Elevation - 6,654.5 feet</i> <i>Emergency Spillway Elevation - 6,654.5 feet</i></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.

At the time of the inspection there was no water impounded..

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.

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: *[Handwritten Signature]* Date: 10/21/19

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

Certification Statement:

[PE Cert. Stamp]

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: _____
(Full Name and Title)

Signature: _____ Date: _____

P.E. Number & State: _____

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		Page 1 of 2	
Permit Number	ACT/007/018	Report Date	1/17/2020
Mine Name	Soldier Canyon Mine		
Company Name	Canyon Fuel Company, LLC		
Impoundment Identification	Impoundment Name	Surface Facility Sedimentation Pond	
	Impoundment Number	None	
	UPDES Permit Number	UT0023680	
	MSHA ID Number	Impoundment -None (Mine - 42-00077)	
IMPOUNDMENT INSPECTION			
Inspection Date	11/11/2019		
Inspected By	Seth McCourt		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Routine Quarterly Inspection		
<p>1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.</p> <p><i>There were no signs of instability, structural weakness or other hazardous conditions observed at the sedimentation pond. Sloughage and erosion of the Soldier Creek channel continues to occur adjacent to the incised pond. This has been the case since the pond was constructed and no significant change to this condition was observed.</i></p>			
Required for an impoundment which functions as a SEDIMENTATION POND.	<p>2. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.</p> <p><i>Sediment Storage Capacity (as designed) - 100% = 1.47 acre-feet @ an elevation of 6,649.5 feet</i> <i>- 60% = 0.88 acre-feet @ an elevation of 6,647.5 feet</i></p> <p><i>The estimated average elevation of the existing sediment was 6,646.3 feet. This is 1.2 feet below the established clean-out elevation of 6,647.5 feet.</i></p>		
	<p>3. Principle and emergency spillway elevations.</p> <p><i>Principal Spillway Elevation - 6,654.5 feet</i> <i>Emergency Spillway Elevation - 6,654.5 feet</i></p>		
<p>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.</p> <p><i>At the time of the inspection there was no water impounded.</i></p>			

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.

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: *L. Jeff Marshall for Seth McCool* Date: 3/17/20

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

Certification Statement:

[PE Cert. Stamp]

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: _____
(Full Name and Title)

Signature: _____ Date: _____

P.E. Number & State: _____