

**2003 ANNUAL REPORT
TO THE
UTAH DIVISION OF OIL, GAS AND MINING**

**DUGOUT CANYON MINE
C/007/039**

Canyon Fuel Company, LLC
P.O. Box 1029
Wellington, UT 84542

File in:
 Confidential
 Shelf
 Expandable
Refer to Record No. 0012 Date 03/19/2004
In C 0070039/2004 Inventory
For additional information *Confidential*

0012



Canyon Fuel Company, LLC
Dugout Canyon Mine
P.O. Box 1029
Wellington, Utah 84542

COPY

March 19, 2004

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

Incoming
C/007/0018
cc: C/007/0034
C/007/00039

RE: 2003 Annual Reports for Dugout Canyon Mine, C/007/039; Soldier Canyon Mine, C/007/018; and Banning Loadout, C/007/034

Dear Ms. Pamela Grubaugh-Littig,

Enclosed please find two copies of the Annual Reports for 2003 for the Dugout Canyon Mine, Soldier Canyon Mine, and Banning Loadout.

Should you have any questions concerning this submittal, please contact me at (435) 636-2869.

Sincerely yours,

Vicky S. Miller

enclosures

cc: Chris Hansen (letter only)
Dave Spillman (enclosures)
Central Files (enclosures)

File in:
C/0070039/2004. *Incoming*

Refer to:

- Confidential
- Shelf
- Expandable

Date: *03/19/04* For additional information

Confidential

RECEIVED

MAR 19 2004

DIV. OF OIL, GAS & MINING

To enter text, click in the box and type your response. If a box already contains an entry select the entry and type the replacement. You can use the **tab** key to move from one field to the next. To select a check box, click in the box or type an **x**.

GENERAL INFORMATION

Permitte Name	Canyon Fuel Company, LLC
Mine Name	Dugout Canyon Mine
Operator Name (If other than permittee)	
Permit Expiration Date	March 16, 2008
Permit Number	C/007/039
Authorized Representative Title	Rick Olsen, General Manager
Phone Number	(435) 637-6360
Fax Number	(435) 636-2897
E-mail Address	rolsen@archcoal.com
Mailing Address	P.O. Box 1029, Wellington, Utah 84542
Designated Representative	
Resident Agent	C.T. Corporation Systems
Resident Agent Mailing Address	50 West Broadway, Salt Lake City, Utah 84104
Number of Binders Submitted	(1) One Binder, Two Copies

IDENTIFICATION OF OTHER PERMITS

Identify other permits that are required in conjunction with mining and reclamation activities.

Permit Type	ID Number	Description	Expiration Date
MSHA Mine ID(s)	42-01890	Rock Canyon Seam (West Side)	N/A
	42-01888	Gilson Seam (West Side)	N/A
MSHA Impoundment(s)	N/A		
NPDES/UPDES Permit(s)	UTG 040020	UPDES Discharge Permit	April 30, 2008
PSD Permit(s) (Air)	DAQE-001-1999	Air Quality Permit	N/A

Other

MSHA Mine ID(s)	1211-UT-09-01890-01	Refuse Pile	N/A
Storm Water Permit	UTR000573	Storm Water Discharge Permit	December 1, 2006

CERTIFIED REPORTS

List the certified inspection reports as required by the rules and under the approved plan that must be periodically submitted to the Division. Specify whether the information is included as Appendix A to this report or currently on file with the Division.

Certified Reports:	Required		Included or on file with DOGM		Comments
	Yes	No	Included	On File	
Excess Spoil Piles	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N/A
Refuse Piles	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Impoundments	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Other	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

REPORTING OF OTHER TECHNICAL DATA

List other technical data and information as required under the approved plan, which must be periodically submitted to the Division. Specify whether the information is included as Appendix B to this report or currently on file with the Division.

Technical Data:	Required		Included or on file with DOGM		Comments
	Yes	No	Included	On file	
Climatological	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N/A
Subsidence Monitoring	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Vegetation Monitoring	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N/A
Raptor Survey	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Soils Monitoring	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N/A
Water Monitoring	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
First quarter	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Second quarter	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Third quarter	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Fourth quarter	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Geological / Geophysical	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N/A
Engineering	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N/A
Non Coal Waste / Abandoned Underground Equipment*	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N/A
Other Data					
SNOTEL Report	<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"/>	<input type="checkbox"/>	

Reminder: If equipment has been abandoned during 2003, an amendment must be submitted that includes a map showing its location, a description of what was abandoned, whether there were any hazardous or toxic materials and any revision to the PHC as necessary.

APPENDIX A

Certified Reports

Excess Spoil Piles
Refuse Piles
Impoundments

As required under R645-301-514

CONTENTS

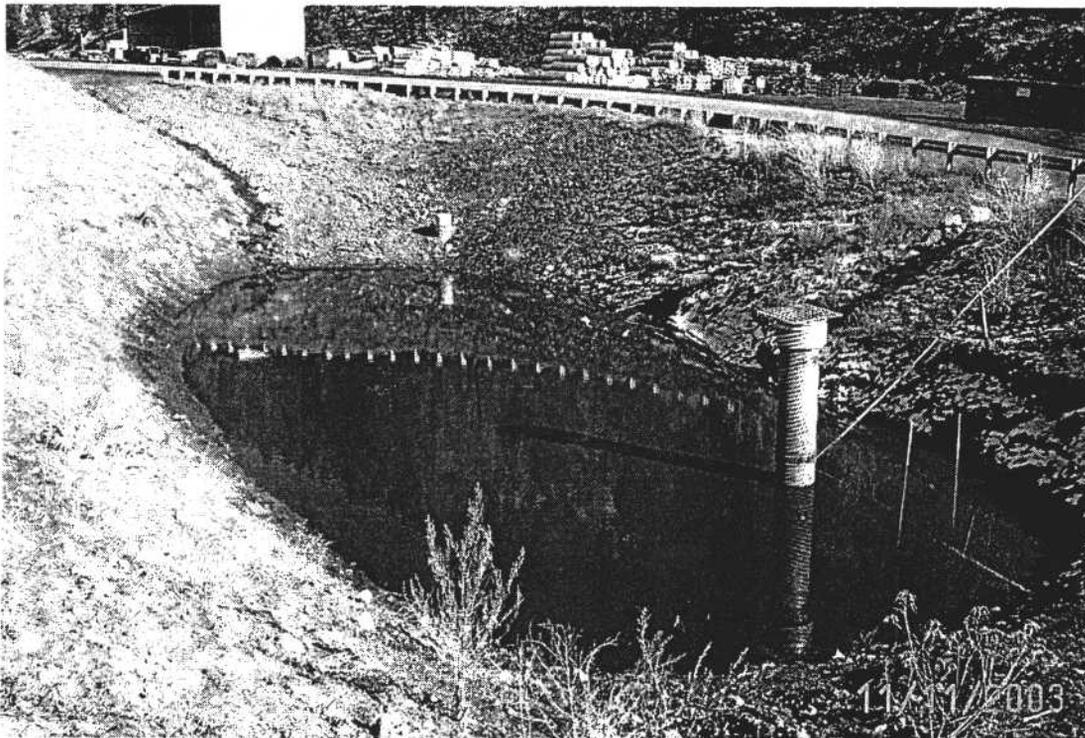
CERTIFIED IMPOUNDMENT REPORTS
CERTIFIED REFUSE PILE REPORT

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		Page 1 of 3	
Permit Number	ACT/007/039	Report Date	12/05/03
Mine Name	Dugout Canyon Mine		
Company Name	Canyon Fuel Company, LLC		
Impoundment Identification	Impoundment Name	Surface Facility Sedimentation Pond	
	Impoundment Number	None	
	UPDES Permit Number	UTG040020	
	MSHA ID Number	Impoundment - None (Mine - 42-01890)	
IMPOUNDMENT INSPECTION			
Inspection Date	11/11/03		
Inspected By	Dave Spillman		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Routine Quarterly Inspection and 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>Sediment Storage Capacity - 100% = 0.34 acre-feet @ an elevation of 6,953.56 feet</i> <i>- 60% = 0.20 acre-feet @ an elevation of 6,951.66 feet</i></p>		
	<p>3. Principle and emergency spillway elevations.</p> <p><i>Principal Spillway Elevation - 6,964.44 feet</i> <i>Emergency Spillway Elevation - 6,964.5 feet</i></p>		

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 Dugout Canyon Mine sedimentation pond was cleaned out in July of 2003. During the cleanout operations, the hydraulic hoe inadvertently breached the horizontal portion of the 24-inch CMP primary spillway. This resulted in the unintentional release of a limited quantity of water and sediment to Dugout Creek. Notice of Violation N03-46-3-1 was issued to the Dugout Canyon Mine by the Utah Division of Oil, Gas and Mining for this noncompliance event. Various activities that have been completed since July are described as follows:

- *A concrete block (4' w x 14' l x 4' h) was poured at the base of the primary spillway. This block encases and protects the base and the horizontal portion of the 24-inch CMP from future damage. This block was also marked with two lengths of vertical rebar to better define its location when the block is submerged or buried.*
- *A sediment cleanout marker was installed at the primary spillway.*
- *A metal collar plate was welded to the outlet of the 24-inch CMP primary spillway. This plate will be fitted with a blind flange to provide a means to quickly and efficiently control potential outflows from the spillway culvert. (Note: The blind flange installation had not been completed at the time of this inspection. Completion of this project is expected before year's end.)*
- *Following the cleanout of the pond, Johansen and Tuttle Engineering, Inc., was contracted to survey the as-built details of the sedimentation pond. The as-built details of the pond were subsequently submitted to DOGM in September and were approved by DOGM in October.*
- *Portions of the embankment were hydro-seeded on October 30, 2003.*



3. 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.

At the time of inspection, the water elevation was approximately 9 feet below the top of the primary spillway. The impounded water obscured the view of any accumulated sediment, however, due to the recent cleanout operations, sediment accumulation is believed to be negligible.

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

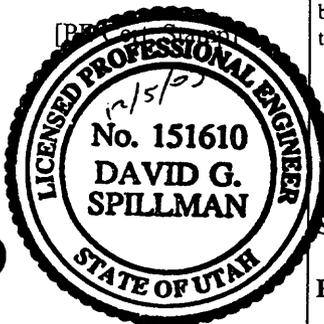
IMPOUNDMENT EVALUATION (If NO, explain under Comments)

	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:

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: David G. Spillman, Technical Services Manager
(Full Name and Title)

Signature: David G. Spillman Date: 12-05-03

P.E. Number & State: No. 151610, State of Utah

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		Page 1 of 2	
Permit Number	ACT/007/039	Report Date	12/05/03
Mine Name	Dugout Canyon Mine		
Company Name	Canyon Fuel Company, LLC		
Impoundment Identification	Impoundment Name	Surface Facility Wastewater Disposal System (Leach Field)	
	Impoundment Number	None	
	UPDES Permit Number	None	
	MSHA ID Number	None (Mine - 42-01890)	
IMPOUNDMENT INSPECTION			
Inspection Date	11/12/03		
Inspected By	Dave Spillman		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)		Routine Quarterly Inspection and 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>3. Principle and emergency spillway elevations.</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 site appeared to be functioning as designed. There was no evidence to suggest that any effluent was improperly flowing to the surface at the septic tank, at the distribution line clean-outs / air vent or down hill from the leach field.</i></p> <p><i>Revegetation success on the site looks encouraging, particularly with the drought conditions that prevailed during most of 2003.</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)

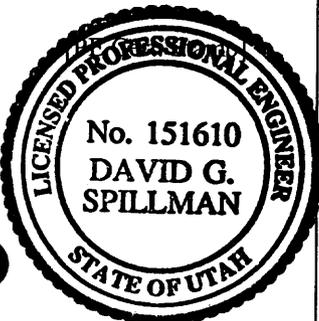
	YES	NO
1. Is impoundment designed and constructed in accordance with the approved plan?	X	
2. Is impoundment free of instability, structural weakness, or any other hazardous condition?	X	
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of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

COMMENTS AND OTHER INFORMATION

The Dugout Canyon Mine wastewater disposal system was approved for operation on October 30, 2001. The Utah Department of Environmental Quality, Southeast Utah District, granted this approval.

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: David G. Spillman, Technical Services Manager
(Full Name and Title)

Signature: David G. Spillman Date: 12-05-03

P.E. Number & State: No. 151610, State of Utah

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		Page 1 of 2	
Permit Number	ACT/007/039	Report Date	01/12/04
Mine Name	Dugout Canyon Mine		
Company Name	Canyon Fuel Company, LLC		
Impoundment Identification	Impoundment Name	Refuse Pile Sedimentation Pond	
	Impoundment Number	None	
	UPDES Permit Number	UTG040020	
	MSHA ID Number	Impoundment -None (Refuse Pile 1211-UT-09-01890-01)	
IMPOUNDMENT INSPECTION			
Inspection Date	11/21/03		
Inspected By	Dave Spillman		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Quarterly Inspection / Certification		
<p>1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.</p> <p>To date, this construction has been completed in accordance with the approved plan. There were no signs instability, structural weakness or other hazardous conditions observed during the inspection.</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>Sediment Storage Capacity (as designed) - 100% = 0.78 acre-feet @ an elevation of 5,895.9 feet - 60% = 0.47 acre-feet @ an elevation of 5,894.7 feet</p>		
	<p>3. Principle and emergency spillway elevations.</p> <p>Emergency Spillway Elevation (as designed) - 5,902 feet</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>Impounded water appeared to be less than one foot in depth at the time of the inspection.</p> <p>This pond has never discharged.</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	
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

Installation of the sediment cleanout markers was completed on October 13, 2003.

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: David G. Spillman, Technical Services Manager
(Full Name and Title)

Signature: David G. Spillman Date: 01/12/04

P.E. Number & State: No. 151610, State of Utah

To enter text, click in the box and type your response. If a box already contains an entry select the entry and type the replacement. You can use the tab key to move from one field to the next. To select a check box, click in the box or type an x.

GENERAL INFORMATION

Report Date January 12, 2004
Permit Number C/007/039
Company Name Canyon Fuel Company, LLC - Dugout Canyon Mine

EXCESS SPOIL PILE OR REFUSE PILE IDENTIFICATION

Pile Name Dugout Canyon Mine Refuse Pile
Pile Number 1211-UT-09-01890-01
MSHA ID Number 42-01890

Inspection Date November 21, 2003
Inspected By David G. Spillman
Reason for Inspection Quarterly Inspection and Annual Certification

Attachment to Report? Yes No

Field Evaluation

1. Foundation preparation, including the removal of all organic material and topsoil.

The foundation preparation was found to be in accordance with the approved plan.

2. Placement of underdrains and protective filter systems.

N/A

3. Installation of final surface drainage systems

All necessary drainage systems were constructed and functional at the time of the inspection.

4. Placement and compaction of fill materials

At the time of the inspection there was no additional refuse being hauled to the site.

Due to the lower ash content of produced coal, some refuse was recovered last quarter and returned to the mine for blending. However, the recovery of refuse was abruptly curtailed and not resumed due to increasing ROM ash content. This action left the refuse pile in need of some grading to insure proper drainage. This grading was completed in December.

5. Final grading and revegetation of fill.

N/A

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

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

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

On May 29, 2003 an areal overflight of the site was conducted. This work has resulted in an accurate topographic map for "as-built" reporting. This "as-built" topographic map was submitted to DOGM on September 26, 2003 for inclusion into the approved M&RP. This submittal has subsequently been reviewed by DOGM and incorporated into the approved M&RP effective October 16, 2003.

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 the 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 David G. Spillman, Technical Services Manager

Full Name and Title

Signature

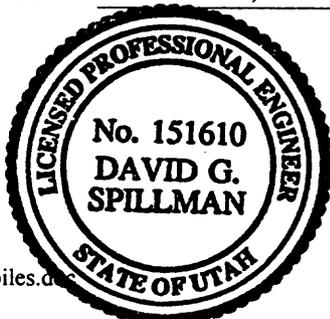
David G. Spillman

Date

1/12/04

P.E. Number and State No. 151610, State of Utah

[Cert. Stamp]



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

2003 DUGOUT CANYON SUBSIDENCE MONITORING STATIONS MAP
RAPTOR SURVEY INFORMATION
SNOTEL REPORT

2003 Raptor Survey for Dugout Mine

Nest_no	X_utm27	Y_utm27	Date	Species	Type	Statu__03	Eggs	Yng	Age	Comments03
3	539126	4390806	5/21/03	Golden Eagle	Cliff	tended				greenry
4	538985	4390820	5/21/03	Red-tailed Hawk	Cliff	not found				.
6	538469	4390923	5/21/03	Prairie Falcon	Cliff	active	99	99		99 Hen on nest
7	540367	4390585		Golden Eagle	Cliff	not surveyed				.
8	540356	4390542		Unknown	Cliff	not surveyed				.
9	540581	4391529	5/21/03	Golden Eagle	Cliff	tended				two nests, one above other
10	540231	4390885	5/21/03	Golden Eagle	Cliff	not found				.
11	540972	4390651	5/21/03	Golden Eagle	Cliff	inactive				.
12	541029	4390525	5/21/03	Golden Eagle	Cliff	inactive				.
13	541457	4390716	5/21/03	Raven	Cliff	inactive				.
14	541495	4390700	5/21/03	Raven	Cliff	active	0	99		99 1 young seen
17	533851	4393728		Golden Eagle	Cliff	not surveyed				.
18	533690	4393631		Golden Eagle	Cliff	not surveyed				.
19	533191	4392836		Golden Eagle	Cliff	not surveyed				.
20	533192	4392835		Golden Eagle	Cliff	not surveyed				.
21	532932	4392991		Golden Eagle	Cliff	not surveyed				.
23	538142	4392848	5/21/03	Golden Eagle	Cliff	tended				greenry
24	538192	4391889	5/21/03	Raven	Cliff	not found				.
25	535849	4392101	5/21/03	Golden Eagle	Cliff	inactive				poor condition
27	535759	4393224	5/21/03	Golden Eagle	Cliff	inactive				2 nests 15 m apart
28	535648	4393312	5/21/03	Golden Eagle	Cliff	inactive				.
29	534477	4391915		Raven	Cliff	not surveyed				.
30	533090	4392304		Golden Eagle	Cliff	not surveyed				.
31	533200	4392211		Golden Eagle	Cliff	not surveyed				.
32	533355	4392135		Raven	Cliff	not surveyed				.
34	534548	4391964		Unknown	Cliff	not surveyed				.
35	531775	4393441		Golden Eagle	Cliff	not surveyed				.
36	532363	4393569		Golden Eagle	Cliff	not surveyed				.
37	531849	4395047		Golden Eagle	Cliff	not surveyed				.
38	531570	4395252		Unknown	Cliff	not surveyed				.
39	531787	4393607		Golden Eagle	Cliff	not surveyed				.
40	531593	4393644		Golden Eagle	Cliff	not surveyed				.
408	537593	4387311		Golden Eagle	Cliff	not surveyed				.
424	543494	4393789		Unknown	Cliff	not surveyed				.
425	541949	4389550		Golden Eagle	Cliff	not surveyed				.
426	542787	4390104		Golden Eagle	Cliff	not surveyed				.
774	536293	4391834	5/21/03	Golden Eagle	Cliff	inactive				On sloping outcrop, top of middle cliff band. Material falling off ledge.
775	536339	4391818	5/21/03	Golden Eagle	Cliff	inactive				Just around from GE #774
776	539515	4392608	5/21/03	Golden Eagle	Cliff	inactive				Shift nest 20-25 m NW
777	534195	4392117		Golden Eagle	Cliff	not surveyed				.
778	542872	4389362		Raven	Cliff	not surveyed				.
779	543951	4388915		Golden Eagle	Cliff	not surveyed				Possibly 2 nests here.

2003 Raptor Survey for Dugout Mine

Nest_no	X_utm27	Y_utm27	Date	Species	Type	Statu__03	Eggs	Yng	Age	Comments03
780	543981	4387820		Golden Eagle	Cliff	not surveyed				.
781	543954	4387824		Golden Eagle	Cliff	not surveyed				.
782	543908	4387830		Golden Eagle	Cliff	not surveyed				4 nests together.
783	544330	4388023		Golden Eagle	Cliff	not surveyed				.
783	544330	4388023		Golden Eagle	Cliff	not surveyed				.
1279	538739	4390786	5/21/03	Red-tailed Hawk	Cliff	inactive				.
1301	538469	4390846	5/21/03	Raven	Cliff	inactive				.
1302	538423	4390963	5/21/03	Raven	Cliff	inactive				.
1303	538582	4390851	5/21/03	Raven	Cliff	active		0	3	15
1304	540267	4393126	5/21/03	Red-tailed Hawk	Cliff	inactive				.

United States
Department of
Agriculture

Natural Resources
Conservation
Service

Water and Climate Center
Portland, Oregon

S N O W - P R E C I P I T A T I O N U P D A T E

Based on Mountain Data from NRCS SNOTEL Sites
As of MONDAY: MARCH 1 , 2004

BASIN	ELEV.	SNOW WATER EQUIVALENT			TOTAL PRECIPITATION		
Data Site Name	(Ft)	Current	Average	% Avg	Current	Average	% Avg

UTAH

BEAR RIVER

TRIAL LAKE	9960	16.8	20.6	82	17.7	20.5	86
HAYDEN FORK	9100	10.4	13.2	79	13.8	17.1	81
LILY LAKE	9050	9.2	10.8	85	10.8	14.3	76
MONTE CRISTO	8960	21.6	24.7	87	20.4	21.1	97
TONY GROVE LAKE	8400	29.2	30.0	97	26.2	29.5	89
FRANKLIN BASIN	8170	19.4	23.4	83	22.6	25.4	89
BUG LAKE	7950	15.6	17.1	91	14.8	16.2	91
TEMPLE FORK	7406	13.7	-M	*	14.9	-M	*
LITTLE BEAR	6550	13.7	12.8	107	20.3	20.0	102

Basin wide percent of average 89 89

WEBER-OGDEN RIVERS

TRIAL LAKE	9960	16.8	20.6	82	17.7	20.5	86
THAYNES CANYON	9200	19.2	19.3	99	20.2	20.0	101
CHALK CREEK #1	9100	16.7	19.9	84	16.6	20.8	80
MONTE CRISTO	8960	21.6	24.7	87	20.4	21.1	97
DRY BREAD POND	8350	12.7	19.0	67	16.3	17.3	94
BEAVER DIVIDE	8280	8.4	10.2	82	11.8	14.8	80
HORSE RIDGE	8160	18.1	20.2	90	20.2	20.5	99
CHALK CREEK #2	8200	11.7	12.9	91	10.9	13.7	80
BEN LOMOND PEAK	8000	35.2	34.3	103	35.4	36.8	96
FARMINGTON	8000	40.3	27.3	148	30.8	27.7	111
PARRISH CREEK	7740	28.2	-M	*	28.2	-M	*
SMITH & MOREHOUSE	7600	9.9	12.4	80	11.4	15.6	73
PARLEY'S SUMMIT	7500	15.4	15.3	101	19.7	17.7	111
HARDSCRABBLE	7250	20.6	14.3	144	22.8	25.4	90
FARMINGTON LOWER	6779	30.8	-M	*	29.0	-M	*
BEN LOMOND TRAIL	6000	25.1	19.0	132	23.6	25.3	93

Basin wide percent of average 101 93

PROVO R.-UTAH LAKE-JORDAN R.

TRIAL LAKE	9960	16.8	20.6	82	17.7	20.5	86
SNOWBIRD	9640	35.2	28.3	124	28.8	31.1	93
CLEAR CREEK #1	9200	16.6	16.7	99	15.9	15.4	103
MILL-D NORTH	8960	22.0	21.0	105	19.4	22.0	88

BRIGHTON	8750	18.6	20.4	91	21.4	23.4	91	
BEAVER DIVIDE	8280	8.4	10.2	82	11.8	14.8	80	
LOOKOUT PEAK	8200	27.6	20.1	137	28.6	25.6	112	
TIMPANOGOS DIVIDE	8140	21.3	20.4	104	20.5	20.9	98	
PAYSON R.S.	8050	18.2	17.2	106	16.5	13.6	121	
DANIELS-STRAWBERRY	8000	16.6	15.1	110	17.5	17.2	102	
CLEAR CREEK #2	8300	12.9	12.3	105	12.9	12.6	102	
CASCADE MOUNTAIN	7768	19.0	-M	*	20.8	-M	*	
PARLEY'S SUMMIT	7500	15.4	15.3	101	19.7	17.7	111	
DRY FORK	7160	17.6	14.5	121	19.4	16.5	118	
LOUIS MEADOW	6700	22.3	-M	*	23.6	-M	*	

Basin wide percent of average				107	-----			
					100			

TOOELE VALLEY-VERNON CREEK

ROCKY BASIN-SETTLEME	8900	25.6	21.2	121	24.5	20.3	121	
MINING FORK	8000	22.3	14.9	150	19.4	18.5	105	
VERNON CREEK	7500	15.1	10.1	150	16.9	13.2	128	

Basin wide percent of average				136	-----			
					117			

GREEN RIVER

STEEL CREEK PARK	10100	10.6	12.7	83	10.7	12.9	83	
HEWINTA	9500	8.4	9.1	92	9.4	11.6	81	
TROUT CREEK	9400	10.2	8.1	126	12.4	10.3	120	
HOLE-IN-ROCK	9150	5.8	5.7	102	6.0	5.8	103	
HICKERSON PARK	9100	6.4	5.8	110	8.0	6.2	129	
KING'S CABIN	8730	12.3	9.4	131	11.3	9.9	114	

Basin wide percent of average				106	-----			
					102			

DUCHESNE RIVER

LAKEFORK BASIN	10900	14.7	16.6	89	15.9	17.1	93	
FIVE POINTS LAKE	10920	14.9	13.8	108	14.0	15.9	88	
BROWN DUCK	10600	-M	15.0	*	16.1	16.2	99	
CHEPETA	10300	12.1	11.4	106	13.0	12.6	103	
LAKEFORK #1	10100	11.0	10.5	105	11.2	11.6	97	
TRIAL LAKE	9960	16.8	20.6	82	17.7	20.5	86	
MOSBY MTN.	9500	12.4	9.3	133	13.5	11.2	121	
INDIAN CANYON	9100	11.3	9.6	118	13.0	11.8	110	
STRAWBERRY DIVIDE	8400	16.5	16.3	101	15.9	18.2	87	
DANIELS-STRAWBERRY	8000	16.6	15.1	110	17.5	17.2	102	
CURRANT CREEK	8000	11.6	9.6	121	13.1	12.6	104	
ROCK CREEK	7900	8.8	7.9	111	10.0	10.7	93	

Basin wide percent of average				104	-----			
					97			

PRICE-SAN RAFAEL

SEELEY CREEK	10000	13.2	12.3	107	10.9	11.1	98
BUCK FLAT	9800	15.9	15.3	104	16.8	16.1	104
RED PINE RIDGE	9200	13.8	14.2	97	16.4	15.1	109
MAMMOTH-COTTONWOOD	8800	14.7	17.6	84	11.7	13.4	87

WHITE RIVER #1	8550	11.1	11.6	96	11.3	11.9	95
				-----			-----
Basin wide percent of average				97			99

DIRTY DEVIL

DONKEY RESERVOIR	9800	5.0	6.6	76	7.2	7.6	95
BLACK FLAT-U.M. CK	9400	9.1	8.5	107	9.4	9.4	100
DILL'S CAMP	9200	14.8	12.3	120	15.9	14.1	113
				-----			-----
Basin wide percent of average				105			105

SOUTH EASTERN UTAH

LASAL MOUNTAIN	9850	10.5	10.7	98	14.2	16.9	84
CAMP JACKSON	8600	16.5	12.9	128	14.9	15.9	94
EAST WILLOW CREEK	8250	8.5	7.1	120	9.0	9.0	100
				-----			-----
Basin wide percent of average				116			91

SEVIER RIVER

CLAYTON SPRINGS	10000	12.2	-M	*	12.4	-M	*
MIDWAY VALLEY	9800	23.2	19.4	120	14.1	17.2	82
BOX CREEK	9800	13.4	11.0	122	13.8	11.8	117
FARNSWORTH LAKE	9600	15.7	14.8	106	15.4	15.4	100
PICKLE KEG	9600	15.0	14.1	106	17.1	14.6	117
CASTLE VALLEY	9580	13.8	11.8	117	12.5	11.9	105
WIDTSONE #3	9500	12.2	9.7	126	13.5	10.9	124
KIMBERLY MINE	9300	14.9	13.3	112	17.2	15.9	108
AGUA CANYON	8900	10.9	7.3	149	10.1	12.2	83
PINE CREEK	8800	22.4	19.3	116	19.7	14.4	137
MAMMOTH-COTTONWOOD	8800	14.7	17.6	84	11.7	13.4	87
GOOSEBERRY R.S.	7920	9.4	7.9	119	12.5	12.5	100
BEAVER DAMS	8000	9.3	10.2	91	13.4	13.5	99
HARRIS FLAT	7800	10.0	6.9	145	9.4	10.0	94
LONG VALLEY JCT	7360	-M	5.8	*	-M	10.6	*
				-----			-----
Basin wide percent of average				113			104

BEAVER RIVER

BIG FLAT	10290	13.7	15.0	91	15.7	15.4	102
MERCHANT VALLEY	8750	12.0	11.4	105	13.7	12.9	106
				-----			-----
Basin wide percent of average				97			104

ESCALANTE RIVER

CLAYTON SPRINGS	10000	12.2	-M	*	12.4	-M	*
DONKEY RESERVOIR	9800	5.0	6.6	76	7.2	7.6	95
WIDTSONE #3	9500	12.2	9.7	126	13.5	10.9	124
				-----			-----
Basin wide percent of average				106			112

VIRGIN RIVER

MIDWAY VALLEY	9800	23.2	19.4	120	14.1	17.2	82
KOLOB	9250	17.0	17.8	96	15.3	16.4	93
WEBSTER FLAT	9200	16.0	13.5	119	14.6	14.1	104
LONG FLAT	8000	-M	7.4	*	-M	10.5	*
HARRIS FLAT	7800	10.0	6.9	145	9.4	10.0	94
LONG VALLEY JCT	7360	-M	5.8	*	-M	10.6	*
LITTLE GRASSY	6100	5.3	5.8	91	12.7	13.7	93
				-----			-----
		Basin wide percent of average		113			93

-M = Missing data

* = Data may not provide a valid measure of conditions.

Units = inches for the Current and Average Snow Water Equivalent and
Total Precipitation values

If the Basin wide percent of average value is flagged as potentially invalid, care should be taken to evaluate if the value is representative of conditions in the basin.

The SNOW WATER EQUIVALENT Percent of Average represents the snow water equivalent found at selected SNOTEL sites in or near the basin compared to the average value for those sites on this day.

The TOTAL PRECIPITATION Percent of Average represents the total precipitation (beginning October 1st) found at selected SNOTEL sites in or near the basin compared to the average value for those sites on this day.

Contact your state water supply staff for assistance.

Reference period for average conditions is 1971-2000.

Provisional data, subject to revision.

Read this [Disclaimer](#).

E-mail [Webmaster](#) with comments about this site.

Created and maintained by [StoneFly Technology](#), Saint George, Utah

Partially funded by U.S. Bureau of Reclamation [Provo Area Office](#)

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

OFFICERS AND DIRECTORS

Officers and Directors

The following lists describe the officers and directors of Canyon Fuel Company, LLC, Arch Western Resources, LLC, Arch Coal, Inc., Itochu Corporation, and Itochu Coal International, Inc. The addresses for the officers, directors, representatives to the management board listed are the same as those of the respective business entities as listed below for which the individuals are officers, directors or representatives.

ADDRESS:

Arch Coal, Inc.
CityPlace One, Suite 300
St. Louis, MO 63141-7056

ADDRESS:

Arch Western Resources, LLC
City Place One, Suite 300
St. Louis, MO 63141-7056

Itochu Coal International, Inc. is a wholly owned subsidiary of Itochu Corporation, a Japanese corporation.

ADDRESS:

Itochu Coal International, Inc.
555 17th Street, Suite 845
Denver, Colorado 80202

ADDRESS:

Itochu Corporation, 5-1
Kita-Aoyama 2-Chome
Minato-ku, Tokyo 107-77, Japan

CANYON FUEL COMPANY, LLC:

Directors:

Robert W. Shanks
Effective: 06/01/1998

Chairman

Masayoshi Araya
Effective: 06/01/2001

Yuzo Hirono
Effective: 12/14/1999

Steven F. Leer
Effective: 06/01/1998

Kenneth G. Woodring
Effective: 12/01/2000

John W. Eaves
Effective: 12/01/2000

Alternative Representative

Joe Y. Nakazawa
Effective: 06/01/2001

Alternative Representative

Tsutomu Niwa
Effective: 10/09/2001

Alternative Representative

Officers

Richard D. Pick
Effective: 06/01/1998

President, Chief Executive Officer and General Manager

Robert G. Messey
Effective: 10/09/2001

Chief Financial Officer

James E. Florczak
Effective: 05/25/1999

Vice President, Finance

John W. Eaves
Effective: 06/23/1998

Vice President, Marketing

Robert G. Jones
Effective: 03/08/2000

Vice President, General Counsel and Assistant Secretary

Janet L. Horgan

Secretary

Canyon Fuel Company, LLC

March 11, 2004

Effective: 10/11/2000

William H. Rose
Effective: 06/01/1998

Assistant Secretary

ARCH COAL, INC.:

Directors:

James R. Boyd
Effective: 07/01/1997

Chairman

Frank M. Burke
Effective: 09/07/2000

Robert G. Potter
Effective: 04/26/2001

Theodore D. Sands
Effective: 02/25/1999

Michael A. Perry
Effective: 09/28/1998

Douglas H. Hunt
Effective: 07/01/1997

Steven F. Leer
Effective: 07/1/1997

James L. Parker
Effective: 07/01/1997

Thomas A. Lockhart
Effective: 02/21/2003

Officers:

Steven F. Leer
Effective: 07/1/1997

President and Chief Executive Officer

Kenneth G. Woodring
Effective: 07/01/1997

Executive Vice President-Mining Operations

C. Henry Besten, Jr. Effective: 07/01/1997	Vice President - Strategic Marketing
Larry R. Brown Effective: 07/01/1997	Vice President & Chief Information Officer
John W. Eaves Effective: 12/11/2002	Executive Vice President, Chief Operating Officer
David B. Peugh Effective: 07/01/1997	Vice President - Business Development
Robert W. Shanks Effective: 07/01/1997	Vice President - Operations
Robert J. Messey Effective: 12/1/2000	Senior Vice President, Chief Financial Officer
Robert G. Jones Effective: 10/16/2000 and 3/01/2000	Vice President, General Counsel and Secretary
James E. Florczak Effective: 08/17/1998	Treasurer
Deck S. Slone Effective: 04/26/2001	Vice President, Investor and Public Relations
Bradley M. Allbritten Effective: 03/1/2000	Vice President, Marketing
Shiela B. Feldman Effective: 02/03/2003	Vice President, Human Resources
Janet L. Horgan Effective: 10/16/2000	Assistant Secretary and Counsel
John W. Lorson Effective: 04/9/1999	Comptroller
Charles David Steele Effective: 04/24/2003	Vice President, Tax Planning
Bennett K. Hatfield Effective: 04/24/2003	Vice President

Arch Western Resources, LLC, Representatives to the Management Board:

Name: Steven F. Leer
Effective: 06/01/98

Name: Robert W. Shanks
Effective: 06/01/98

Alternate:

Name: Kenneth G. Woodring
Effective: 06/01/98

Itochu Coal International, Inc. Representatives to the Management Board:

Board:

Akio Shigetomi
Effective: 11/30/1996

Masayoshi Araya
Effective: 11/30/1996

Yuzo Hirono
Effective: 12/31/1999

Alternates:

Yutaka Nakazawa
Effective: 12/20/1996

Tsutomu Niwa
Effective: 6/01/2001

Canyon Fuel Company, LLC

March 11, 2004

Masahisa Naitoh	Vice Chairman	April 2000
Uichiro Niwa	President, CEO	April 1998
Hiroshi Sumie	Executive Vice President	April 2000
Makoto Kato	Executive Vice President	April 2001
Yushin Okazaki	Executive Vice President	April 2001
Sumitaka Fujita	Executive Vice President	April 2001
Mitsuaki Fukuda	Sr. Managing Director	April 2000
Akira Yokota	Sr. Managing Director	April 2001
Kiyomi Yamada	Managing Director	April 2001
Motonori Toyota	Managing Director	June 2001
Kouhei Wantanabe	Managing Director	April 2002
Hiroshi Ueda	Managing Director	April 2002

ITOCHU COAL INTERNATIONAL INC.

Masayoshi Araya	Chairman of the Board	Dec. 1999
Yuzo Hirono	President and Chief Executive Officer	Dec. 1999
Tsutomu Niwa	Chief Financial Officer	June 1996
Dietz Fry	Vice President, Finance and Administration	March 1997
Yutaka Nakazawa	Vice President Commercial and Secretary	Dec. 1996
Hiroshi Akiba	Assistant Secretary	Feb. 2000

APPENDIX D

Mine Maps

As required under R645-302-525-270

CONTENTS

GILSON SEAM MINE MAP
ROCK CANYON SEAM MINE MAP

APPENDIX E

Other Information

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

CONTENTS