



**Canyon Fuel Company**  
**SUFCO Mine**  
 397 South 800 West  
 Salina, UT 84654  
 (435) 286-4880 Fax (435) 286-4499

September 15, 2003

Ms. Kelly Coleman  
 Department of Environmental Quality  
 Division of Water Quality  
 288 North 1460 West  
 P. O. Box 144870  
 Salt Lake City, UT 84114-4870

*Dana D.*  
 9/10/03  
 E-mail Dana D.

Dear Ms. Coleman:

Enclosed are the August 2003, Discharge Monitoring Reports (DMR's) for the SUFCO Mine facility, permit number UT-0022918. Discharge point 001A had no outflow during the month. The sample taken August 6, 2003 caused a 7 day and a 30 day exceedances for discharge of total suspended solids at Point 002A, the sedimentation pond. Written notification of this exceedance was sent on August 25th. The outflow from point 003A had no exceedances for the month.

The third quarter biomonitoring was successfully passed using Ceriodaphnia.

Sincerely,  
 CANYON FUEL COMPANY, LLC  
 SUFCO Mine

*L. Craig Hilton*  
 L. Craig Hilton  
 Technical Services Manager

LCH:kb

Encl.: August 2003 DMR's  
 WET Testing Lab sheets

cc: Mary Ann Wright, DOGM  
 Mary Erickson, USFS Fishlake  
 Chris Hansen, Skyline  
 Compliance Officer, U.S. EPA, Denver  
 EPA Test Procedures & Water Monitoring File

RECEIVED  
 SEP 18 2003  
 DIV. OF OIL, GAS & MINES

(Include Facility Name/Location if different)

DISCHARGE MONITORING REPORT

(DMR)

NAME Canyon Fuel Co., LLC  
 ADDRESS SUFCO Mine  
 397 South 800 West  
 Salina, UT 84654  
 FACILITY SUFCO Mine  
 LOCATION SALINA

UT0022918  
 PERMIT NUMBER

001 A  
 DISCHARGE NUMBER

MAJOR

Form Approved  
 OMB No. 2040-0004

F - FINAL

Minesite

6" PIPE DISCHARGING MINE WATER

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
0 3	0 8	0 1	0 3	0 8	3 1
(20-21)		(22-23)		(24-25)	
(26-27)		(28-29)		(30-31)	

\*\*\* NO DISCHARGE  \*\*\*

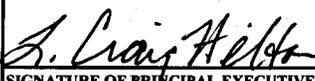
NOTE: Read instructions before completing this form.

ATTN: KENNETH E. MAY, MINE MANAGER

PARAMETER (32-37)	SAMPLE MEASUREMENT	QUANTITY OR LOADING (3 Card Only) (46-53)			QUALITY OR CONCENTRATION (4 Card Only) (38-45)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
FLOW RATE 00056 1 0 0	PERMIT REQUIREMENT	REPORT 30DA AVG	REPORT DAILY MX	MGD	*****	*****	*****	*****			
EFFLUENT GROSS VALUE										TWICE/MONTH	MEASRD
PH 00400 1 0 0	PERMIT REQUIREMENT	*****	*****	****	6.5	*****	9.0	*****	(12)		
EFFLUENT GROSS VALUE					DAILY M N		DAILY MX			TWICE/MONTH	GRAB
SOLIDS, TOTAL SUSPENDED 00530 P 0 0	PERMIT REQUIREMENT	*****	*****	****	25	*****	35	*****	(19)		
SEE COMMENTS BELOW					30 DA AVE		70	*****		TWICE/MONTH	GRAB
SOLIDS, SETTLEABLE 00545 P 0 0	PERMIT REQUIREMENT	*****	*****	****	*****	*****	0.5	*****	(25)		
SEE COMMENTS BELOW							DAILY MX			TWICE/MONTH	GRAB
OIL AND GREASE FREON EXTR-GRAV MET 00556 1 0 0	PERMIT REQUIREMENT	*****	*****	****	*****	*****	10	*****	(19)		
EFFLUENT GROSS VALUE							DAILY MX			TWICE/MONTH	GRAB
IRON, TOTAL (AS FE) 01045 1 0 0	PERMIT REQUIREMENT	*****	*****	****	*****	*****	1.0	*****	(19)		
EFFLUENT GROSS VALUE							DAILY MX			TWICE/MONTH	GRAB
FLOATING SOLIDS OR VISIBLE FOAM-VISUAL 45613 1 0 0	PERMIT REQUIREMENT	*****	0	YES=1 NO=0	*****	*****	*****	*****	(94)		
EFFLUENT GROSS VALUE										TWICE/MONTH	VISUAL

NAME/TITLE PRINCIPLE EXECUTIVE OFFICER  
 KENNETH E. MAY  
 MINE MANAGER  
 TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION. I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE, AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years.

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT  
  
 TELEPHONE 435 286-4880  
 DATE 03 9 15  
 AREA CODE NUMBER YR MO DA

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)  
 DURING PRECIPITATION EVENTS, SETTLEABLE SOLIDS SHALL BE LIMITED INSTEAD OF TSS. REPORT N/A IN THE APPROPRIATE BLANK.  
 No Discharge during month of August 2003

PERMITEE NAME/ADDRESS

(Include Facility Name/Location if different)

NAME Canyon Fuel Co., LLC  
 ADDRESS SUFCO Mine  
 397 South 800 West  
 Salina, UT 84654  
 FACILITY SUFCO Mine  
 LOCATION SALINA

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

UT0022918 (2-16) PERMIT NUMBER  
 001 A (17-19) DISCHARGE NUMBER

MAJOR

Form Approved  
 OMB No. 2040-0004

F - FINAL

Minesite

6" PIPE DISCHARGING MINE WATER

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
0 3	0 8	0 1	0 3	0 8	0 1
(20-21)	(22-23)	(24-25)	(26-27)	(28-29)	(30-31)

\*\*\* NO DISCHARGE  \*\*\*

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ATTN: KENNETH E. MAY, MINE MANAGER

PARAMETER (32-37)	SAMPLE MEASUREMENT PERMIT REQUIREMENT	QUANTITY OR LOADING (3 Card Only) (46-53) (54-61)			QUALITY OR CONCENTRATION (4 Card Only) (38-45) (46-53) (54-61)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS 0	MINIMUM	AVERAGE	MAXIMUM	UNITS			
SANITARY WASTE DISCHARGED-ASSESSMENT 45614 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT PERMIT REQUIREMENT	*****		(94)	*****	*****	*****				
SOLIDS, TOTAL DISSOLVED 70295 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT PERMIT REQUIREMENT	*****	*****	****	*****	*****	1200	(19)		TWICE/MONTH	VISUAL
OIL AND GREASE VISUAL 84066 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT PERMIT REQUIREMENT	*****	*****	(94)	*****	*****	*****			TWICE/MONTH	VISUAL
	SAMPLE MEASUREMENT PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT PERMIT REQUIREMENT										

NAME/TITLE PRINCIPLE EXECUTIVE OFFICER  KENNETH E. MAY MINE MANAGER  TYPED OR PRINTED	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION. I BELIEVE THE SUBMITTED INFORMATIONS IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE, AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years.	TELEPHONE		DATE				
		435	286-4880	03	9	15		
		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		AREA CODE	NUMBER	YR	MO	DA

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)  
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 LOCATION SALINA

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

(2-16) (17-19)  
 UT0022918 002 A  
 PERMIT NUMBER DISCHARGE NUMBER

MAJOR

F - FINAL  
 SEDIMENTATION POND  
 12" PIPE DISCHARGE FROM SEDIMENT POND

Form Approved  
 OMB No. 2040-0004

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
0 3	0 8	0 1	0 3	0 8	3 1
(20-21)		(22-23)		(24-25)	
(26-27)		(28-29)		(30-31)	

\*\*\* NO DISCHARGE  \*\*\*

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PARAMETER (32-37)	SAMPLE MEASUREMENT	QUANTITY OR LOADING (3 Card Only) (46-53)			QUALITY OR CONCENTRATION (4 Card Only) (38-45)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE (54-61)	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
FLOW RATE 00056 1 0 0	0.097	0.108	(03)	*****	*****	*****	*****	0	2 /30	Measrd	
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT 30DA AVG	REPORT DAILY MX	MGD	*****	*****	*****	****	TWICE/MONTH	MEASRD	
PH 00400 1 0 0	8.00	8.02	(12)	*****	*****	*****	*****	0	2 /30	GRAB	
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	6.5	*****	9.0	****	TWICE/MONTH	GRAB	
SOLIDS, TOTAL SUSPENDED 00530 P 0 0	41.0	51.6	(19)	*****	*****	*****	*****	2	2 /30	GRAB	
SEE COMMENTS BELOW	PERMIT REQUIREMENT	*****	*****	****	25	35	70	****	TWICE/MONTH	GRAB	
SOLIDS, SETTLEABLE 00545 P 0 0	<0.1	0.5	(25)	*****	*****	*****	*****	0	2 /30	GRAB	
SEE COMMENTS BELOW	PERMIT REQUIREMENT	*****	*****	****	*****	*****	*****	****	TWICE/MONTH	GRAB	
OIL AND GREASE FREON EXTR-GRAV METH 00556 1 0 0	3.1	10	(19)	*****	*****	*****	*****	0	2 /30	GRAB	
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	*****	*****	****	TWICE/MONTH	GRAB	
IRON, TOTAL (AS FE) 01045 1 0 0	0.34	1.0	(19)	*****	*****	*****	*****	0	2 /30	GRAB	
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	*****	*****	****	TWICE/MONTH	GRAB	
FLOATING SOLIDS OR VISIBLE FOAM-VISUAL 45613 1 0 0	0	0	(94)	*****	*****	*****	*****	0	2 /30	VISUAL	
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	0	YES=1 NO=0	*****	*****	*****	****	TWICE/MONTH	VISUAL	

NAME/TITLE KENNETH E. MAY MINE MANAGER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION. I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE, AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years.	TELEPHONE		DATE	
		435	286-4880	03	9
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		AREA CODE	YR MO DA

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)  
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 Discharge during month of August 2003

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DISCHARGE MONITORING REPORT (DMR)

(2-16) (17-19)  
 UT0022918 002 A  
 PERMIT NUMBER DISCHARGE NUMBER

MAJOR

Form Approved  
 OMB No. 2040-0004

F - FINAL  
 SEDIMENTATION POND  
 12" PIPE DISCHARGING FROM SEDIMENT POND

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
0 3	0 8	0 1	0 3	0 8	3 1
(20-21)	(22-23)	(24-25)	(26-27)	(28-29)	(30-31)

\*\*\* NO DISCHARGE  \*\*\*

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		(3 Card Only) (46-53) AVERAGE	(54-61) MAXIMUM	(4 Card Only) (38-45) UNITS 0	(46-53) MINIMUM	(54-61) AVERAGE	(54-61) MAXIMUM			
SANITARY WASTE DISCHARGED-ASSESSMENT 45614 1 0 0	MEASUREMENT	*****	0	(94)	*****	*****	*****	0	2 /30	VISUAL
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	0	YES=1 NO=0	*****	*****	*****	****	TWICE/MONTH	VISUAL
SOLIDS, TOTAL DISSOLVED 70295 1 0 0	MEASUREMENT	*****	*****	****	*****	*****	1026	(19)	2 /30	GRAB
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	*****	2000 LBS/DAY	LBS/DAY	TWICE/MONTH	GRAB
OIL AND GREASE VISUAL 84066 1 0 0	MEASUREMENT	*****	0	(94)	*****	*****	*****	0	2 /30	VISUAL
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	0	YES=1 NO=0	*****	*****	*****	****	TWICE/MONTH	VISUAL
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

NAME/TITLE PRINCIPLE EXECUTIVE OFFICER  
 KENNETH E. MAY  
 MINE MANAGER  
 TYPED OR PRINTED

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*S. Craig Field*  
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
435	286-4880	03	9	15
AREA CODE	NUMBER	YR	MO	DA

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DISCHARGE MONITORING REPORT (DMR)

(2-16)

(17-19)

UT0022918  
 PERMIT NUMBER

003 A  
 DISCHARGE NUMBER

MAJOR

Form Approved  
 OMB No. 2040-0004

F - FINAL  
 MINESITE  
 24" PIPE DISCHARGING MINE WATER

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
0 3	0 8	0 1	0 3	0 8	3 1
(20-21)		(22-23)		(24-25)	
(26-27)		(28-29)		(30-31)	

\*\*\* NO DISCHARGE  \*\*\*

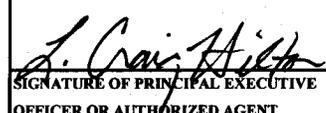
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		(3 Card Only) (46-53) AVERAGE	(54-61) MAXIMUM	UNITS 0	(4 Card Only) (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM			
FLOW RATE 00056 1 0 0	MEASUREMENT	5.09	5.60	(03)	*****	*****	*****	0	2 /30	MEASRD
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT 30DA AVG	REPORT DAILY MX	MGD	*****	*****	*****	****	TWICE / MONTH	MEASRD
PH 00400 1 0 0	MEASUREMENT	*****	*****		7.05		7.08	(12)	2 /30	GRAB
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	6.5	*****	9.0	SU	TWICE / MONTH	GRAB
SOLIDS, TOTAL SUSPENDED 00530 P 0 0	MEASUREMENT	*****	*****		<4	*****	<4	(19)	2 /30	GRAB
SEE COMMENTS BELOW	PERMIT REQUIREMENT	*****	*****	****	25	*****	35	70	TWICE / MONTH	GRAB
SOLIDS, SETTLEABLE 00545 P 0 0	MEASUREMENT	*****	*****		*****	*****	NA	(25)		
SEE COMMENTS BELOW	PERMIT REQUIREMENT	*****	*****	****	*****	*****	0.5	MG/L	TWICE / MONTH	GRAB
OIL AND GREASE FREON EXTR-GRV METH 00556 1 0 0	MEASUREMENT	*****	*****		*****	*****	NA	(19)		
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	*****	10	MG/L	TWICE / MONTH	GRAB
IRON, TOTAL (AS FE) 01045 1 0 0	MEASUREMENT	*****	*****		*****	*****	0.36	(19)	2 /30	GRAB
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	*****	1.0	MG/L	TWICE / MONTH	GRAB
FLOATING SOLIDS OR VISIBLE FOAM-VISUAL 45613 1 0 0		*****	0	(94)	*****	*****	*****	0	2 /30	VISUAL
EFFLUENT GROSS VALUE		*****	0	YES=1 NO=0	*****	*****	*****	****	TWICE / MONTH	VISUAL

NAME/TITLE PRINCIPLE EXECUTIVE OFFICER  
 KENNETH E. MAY  
 MINE MANAGER  
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 TELEPHONE 435 286-4880  
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 Discharge during month of August 2003

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(Include Facility Name/Location if different)

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 LOCATION SALINA

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DISCHARGE MONITORING REPORT (DMR)

(2-16) UT0022918 PERMIT NUMBER  
 (17-19) 003 A DISCHARGE NUMBER

MAJOR

Form Approved  
 OMB No. 2040-0004

F - FINAL  
 MINESITE  
 24" PIPE DISCHARGING MINE WATER

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
0 3	0 8	0 1	0 3	0 8	3 1
(20-21)	(22-23)	(24-25)	(26-27)	(28-29)	(30-31)

\*\*\* NO DISCHARGE  \*\*\*

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PARAMETER (32-37)	X	(3 Card Only) QUANTITY OR LOADING (46-53) (54-61)			(4 Card Only) QUALITY OR CONCENTRATION (38-45) (46-53) (54-61)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS 0	MINIMUM	AVERAGE	MAXIMUM	UNITS			
SANITARY WASTE DISCHARGED-ASSESSMENT 45614 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	0	(94)	*****	*****	*****		0	2 /30	VISUAL
	PERMIT REQUIREMENT	*****	0	YES=1 NO=0	*****	*****	*****	****		TWICE/ MONTH	VISUAL
SOLIDS, TOTAL DISSOLVED 70295 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	*****	693	(19)	0	2 /30	GRAB
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	1200 DAILY MX	MG/L		TWICE/ MONTH	GRAB
OIL AND GREASE VISUAL 84066 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	0	(94)	*****	*****	*****		0	2 /30	VISUAL
	PERMIT REQUIREMENT	*****	0	YES=1 NO=0	*****	*****	*****	****		TWICE/ MONTH	VISUAL
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
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NAME/TITLE PRINCIPLE EXECUTIVE OFFICER  KENNETH E. MAY MINE MANAGER  TYPED OR PRINTED	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION. I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE, AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years.	TELEPHONE		DATE				
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 FACILITY SUFCO Mine  
 LOCATION SALINA

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 (17-19) 003 W DISCHARGE NUMBER

MAJOR

F - FINAL  
 BIOMONITORING

Form Approved  
 OMB No. 2040-0004

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
0 3	0 7	0 1	0 3	0 9	0 3
(20-21)	(22-23)	(24-25)	(26-27)	(28-29)	(30-31)

ATTN: KENNETH E. MAY, MINE MANAGER

\*\*\* NO DISCHARGE  \*\*\*

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT PERMIT REQUIREMENT	QUANTITY OR LOADING (3 Card Only) (46-53)			QUALITY OR CONCENTRATION (4 Card Only) (38-45)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
*P / F STATRE 48HR ACU CERIODAPHNIA TGM3B 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT PERMIT REQUIREMENT	*****	*****	****	*****	*****	( 9A)	0	0	1/90	COMPOS
*P / F STATRE 96HR ACU PIMEPHALES PROMELAS TGN6C 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT PERMIT REQUIREMENT	*****	*****	****	*****	*****	( 9A)	0		QUARTERLY	COMPOS
	SAMPLE MEASUREMENT PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT PERMIT REQUIREMENT										

NAME/TITLE PRINCIPLE EXECUTIVE OFFICER  KENNETH E. MAY MINE MANAGER  TYPED OR PRINTED	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION. I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE, AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years.	TELEPHONE		DATE		
		435	286-4880	03	9	15
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		AREA CODE	NUMBER	YR	MO	DA

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

\* For acute WET testing alternate species quarterly. Report N/A (not applicable) for the appropriate species.  
 Attach all lab sheets/bench sheets for acute and chronic WET testing.

# **W.E.T. Inc.**

Water & Environmental Testing Inc. 235 West 400 South, American Fork, Utah 84003 (801)763-0660 Fax(801)763-0440

## **Acute Cover Letter**

August 29, 2003

Southern Utah Fuel Co.  
Attn: Ruth Wayman  
397 South 800 West  
Salina, Utah 84654

**Received**

**SEP 03 2003**

**Canyon Fuel Company  
SUFCO Mine**

Dear Ruth,

Enclosed is the report for the sample dated 8/20/2003. The laboratory number assigned to this sample(s) is #5578 for effluent and #5579 for receiving water. The sample was tested for acute toxicity using *Ceriodaphnia dubia* following the procedures listed in EPA Section 9. This report is comprised of 6 pages which include;

Cover Letter,  
Acute Whole Effluent Toxicity Report *Ceriodaphnia dubia*,  
Region VIII guidance for Acute Whole Effluent Reporting *Ceriodaphnia dubia*,  
Acute Whole Effluent Toxicity Chemical Report,  
Data Reduction, (None Required)  
Reference Toxicant Chart *Ceriodaphnia dubia*,  
and a copy of the completed Chain of Custody.

Our reports have been designed to meet requirements of National Environmental Accreditation Program, (NELAP), section 5.13. All these pages *together* constitute the final report, individual pages should not be removed. If copied, the report must be reconstructed in full. If you have not received any of these pages, or if you have any questions please give us a call at 801-763-0660. We look forward to doing business with you in the future.

Sincerely,



Lee Rawlings  
Lab Director

QA/QC Flags: None

Comments:

# W.E.T. Inc.

Water & Environmental Testing Inc. 235 West 400 South, American Fork, Utah 84003 (801)763-0660 Fax(801)763-0440

Received

## Acute Whole Effluent Toxicity Report SEP 03 2003 Ceriodaphnia

Canyon Fuel Company  
SUFCO Mine DATE: August 29, 2003

PERMITTEE NAME: Southern Utah Fuel Co.

TEST (Animal/Age): Ceriodaphnia <24 hours.

SAMPLE (Date/Type): 8/20/2003 Grab.

DATE/TIME TEST BEGAN: 8/20/2003 1:05 pm

DATE/TIME TEST COMPLETED: 8/22/2003 1:25 pm

### TEST CONDITIONS

Ceriodaphnia dubia neonates were exposed to diluted Effluent as specified by the permit. At the end of the test period Survival was measured to determine if Acute Toxicity was present in the sample.

Animal Age at Test Start	<24 hours.
Number of Organisms/Dilution Volume/Replicates	5 organisms/15 mL/4 replicates.
Food	Fed YTC and Algae before starting test.
Aeration	None required.
Dissolved Oxygen	Measured daily old/new.
Water Replacement	Renewed daily.
Temperature	20 ± 1 degrees C.
Photo Period	16 hours light 8 hours dark.
pH	Measured initially and at 24 hours.
Dilution Water	Reconstituted lab water approx. 200mg/L hardness.
Receiving Water	Supplied with sample. Used for dilutions.
Sample Concentrations	Control, 6.25, 12.5, 25, 50, 100%.

### SUMMARY

Results: X Pass Fail

There was NO significant effect on survival.

Enclosed are data sheets and statistical reports.

Sincerely,

  
Lee Rawlings  
Lab Director

Enclosure

# Region VIII Guidance for Acute Whole Effluent Reporting

PERMITTEE NAME: Southern Utah Fuel Co.

50% MORTALITY TEST:  Pass  Fail LC50: >100%.

TEST (Animal/Age): Ceriodaphnia <24 hours.

SAMPLE (Date/Type): 8/20/2003 Grab.

DATE/TIME TEST BEGAN: 8/20/2003 1:05 pm

DATE/TIME TEST COMPLETED: 8/22/2003 1:25 pm

## Survival Totals

	Dilutions (% Effluent)						
	Recon Water	Receiving Water	6.25%	12.5%	25%	50%	100%
Initial	20	20	20	20	20	20	20
24 hours	20	20	20	20	20	20	20
48 hours	20	20	20	20	20	20	20

## Chemistries

	Dissolved Oxygen (mg/L)						
Initial New/Old	7.0	8.4	8.3	8.1	7.9	7.0	8.3
24 hours	7.0/7.3	8.2/7.3	8.2/7.3	8.3/7.4	8.3/7.5	7.9/7.5	6.9/7.6
48 hours	7.7	7.9	7.9	8.0	8.0	7.9	8.0

	Temperature (°C)						
Initial New/Old	20.0	20.0	20.0	20.0	20.0	20.0	20.0
24 hours	20.0/20.0	20.0/20.0	20.0/20.0	20.0/20.0	20.0/20.0	20.0/20.0	20.0/20.0
48 hours	19.2	19.2	19.2	19.2	19.2	19.2	19.2

	pH (SU)						
Initial New/Old	8.57	8.53	8.45	8.32	8.08	7.75	7.42
24 hours	8.58/8.43	8.51/8.56	8.43/8.56	8.35/8.57	8.05/8.55	7.71/8.39	7.39/8.36
48 hours	8.54	8.67	8.68	8.68	8.62	8.46	8.41

Analyst: Lee Rawlings

Laboratory: Water & Environmental Testing, Inc.

Signature: \_\_\_\_\_



Date: \_\_\_\_\_

8/31/03

Comments: \_\_\_\_\_

**Received**

SEP 03 2003

Canyon Fuel Company  
SUFCO Mine

## Acute Whole Effluent Toxicity Chemical Result Report

August 29, 2003

**Received**

**CUSTOMER NAME:**

Southern Utah Fuel Co.  
Attn: Ruth Wayman  
397 South 800 West  
Salina, Utah 84654

SEP 03 2003

Canyon Fuel Company  
SUFCO Mine

**SAMPLE DESCRIPTION:**

Chemistries to go with Acute Ceriodaphnia Toxicity Test Collected 8/20/2003

Sample Source	Test Performed	Log Number	Test Results
Effluent	Total Hardness, Recon (EPA 130.2)		188 mg/L
	Total Hardness, Effluent (EPA 130.2)	5578	528 mg/L
	Total Hardness, Receiving Water (EPA 130.2)	5579	172 mg/L
	Ammonia, Effluent (EPA 350.2/350.3)	5578	4.16 mg/L
	Ammonia, Receiving Water (EPA 350.2/350.3)	5579	<0.05 mg/L
	Initial Chlorine Residual (EPA 330.5)	5578	<0.05 mg/L
	Final Chlorine Residual (EPA 330.5)	5578	na mg/L
	Conductivity, Effluent (EPA 120.1)	5578	1,034 umhos/cm
	Alkalinity, Effluent (EPA 310.1)	5578	328 mg/L CaCO <sub>3</sub>
	Conductivity, Receiving Water (EPA 120.1)	5579	504 umhos/cm
	Alkalinity, Receiving Water (EPA 310.1)	5579	212 mg/L CaCO <sub>3</sub>
	Recon Initial pH (EPA 150.1)	5578	8.57
	After 24 hours pH (EPA 150.1)	5578	8.43
	100% Initial pH (EPA 150.1)	5578	7.42
	100% After 24 hours pH (EPA 150.1)	5578	8.36
	Receiving Water Initial pH (EPA 150.1)	5579	8.53
	Receiving Water After 24 hours pH (EPA 150.1)	5579	8.56

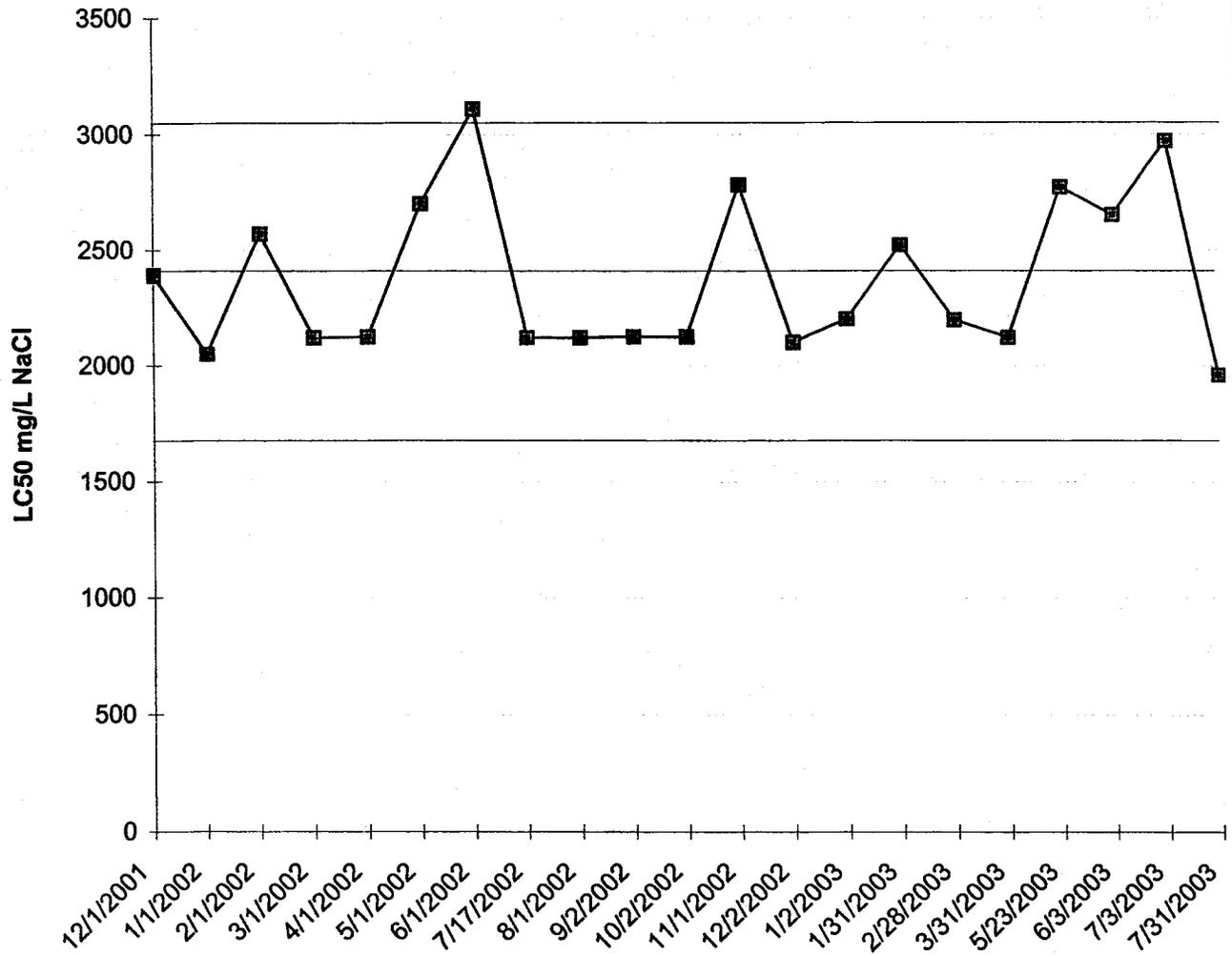
  
Reviewed: Lee Rawlings, Lab Director  
Water & Environmental Testing, Inc.

Received

SEP 03 2003

Canyon Fuel Company  
SUFCO Mine

Acute Reference Toxicant Ceriodaphnia August 2003



X = 2393 2s = 671 UCL 3064 LCL 1722

# W.E.T. Inc.

Water & Environmental Testing Inc. 223 West 400 South, American Fork, Utah 84003 (801)763-0660 Fax (801)763-0440

Received

SEP 03 2003

## Chain of Custody Record

Canyon Fuel Company

Customer: <u>SUFCO</u>	Sampler: <u>A QUAY MECHAN</u> SUFCO Mine
Sample Date: <u>082003</u>	Project: <u>CERIODAPHNIA.</u>

### Sample Information

Sample #	Date	Time	Composite/Grab	Location	Analysis Requested
1	082003	0630	GRAB	PT003	CERIODAPHNIA
2	082003	0635	GRAB	RECEIVING STREAM	CERIODAPHNIA.
3	082003	0635	GRAB	RECEIVING STREAM	CERIODAPHNIA.

### Sample Custody Record

Relinquished by: <u>A Quay Mehan</u>	Received by: <u>Chute</u>	Date/Time 8-20-03 11:30am
Relinquished by: <u>Chute</u>	Received by: <u>Mike Rawlings</u>	Date/Time 8-20-03 7:00 pm
Relinquished by:	Received by:	Date/Time
Sample Received in Lab by <u>Chute</u>	Date/Time 8-20-03 11:30 am	

Comments: \_\_\_\_\_

Temperature Received in the Lab: Effluent: 3.8  
Receiving Water: 2.4

#### W.E.T. Inc. Use Only

Cooler: Wet Ice <input checked="" type="checkbox"/>	Hand Delivery <input checked="" type="checkbox"/>	Arrived in Shipping Container: <input checked="" type="checkbox"/> Y/N	Samples-Custody Seals Used Y/N <input checked="" type="checkbox"/>	COC and Labels Match? Yes <input checked="" type="checkbox"/>
Blue Ice <input type="checkbox"/>	W.E.T. Inc. Courier <input type="checkbox"/>	Scaled: Y/N/NA <input checked="" type="checkbox"/>	Intact Y/N	No <input type="checkbox"/>
None <input type="checkbox"/>	Shipped <input type="checkbox"/>			
Broken, Damaged or Leaking? Yes <input type="checkbox"/>	Correct Containers Used? Yes <input checked="" type="checkbox"/>	Sufficient Quantity Sample? Yes <input checked="" type="checkbox"/>	Sufficient Quantity of Receiving Water? Yes <input checked="" type="checkbox"/>	Adequate Info provided? Yes <input type="checkbox"/>
No <input checked="" type="checkbox"/>	No <input type="checkbox"/>	No <input type="checkbox"/>	No <input type="checkbox"/>	No <input checked="" type="checkbox"/>
				Sample Acceptance Accepted <input checked="" type="checkbox"/>
				Rejected <input type="checkbox"/>