

**Utah
power**

& LIGHT COMPANY
MINING DIVISION
Field Office
P. O. Box 1005
Huntington, UT 84528

(801) 653-2312
(801) 653-2318

December 21, 1988

United States Environmental Protection Agency
Region VIII
Denver Place
999 18th Street, Suite 500
Denver, CO 80202-2405

Attention: Water Management Division
Compliance Branch (8WM-C)

Gentlemen:

Enclosed are the monthly Discharge Monitoring reports for the Wilberg Mine (001-004) for the month of November 1988. As noted on the reports, no water was discharged from locations 001, 002, and 003 during the reporting period. Intermittent discharges did occur at Wilberg Mine - Miller Canyon Breakout (Site 004); only one sample was collected on November 30 with a measured flow rate of 12.0 gallons per minute.

Sincerely,


Rodger C. Fry
Manager of Geology

RCF/CAS/sh/1190

Enclosures

cc: M. Moon

D. Smaldone

V. Payne

C. Semborski

Utah Department of Health

Bureau of Water Pollution Control

P. O. Box 16690

Salt Lake City, UT 84116-0690

Utah State Division of Oil, Gas and Mining

Attention: Lowell Braxton

Orig: Mine file 015/019#7
cc Cover letters: J. Whitehead

RECEIVED
DEC 14 1988

DIVISION OF
OIL, GAS & MINING

Facility Name/Location if different
NAME UTAH POWER AND LIGHT CO (WILBE)
ADDRESS P O BOX 899
 SALT LAKE CITY UT 84110

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)
 (2-16) (17-19)
UT0022896 **001 A**
 PERMIT NUMBER DISCHARGE NUMBER

DISCHARGE MINE PORTAL
 - GRIMES WASH -

FACILITY
LOCATION
ATTN: C E SHINGLETON, DIR PERMITTING

MONITORING PERIOD
 FROM YEAR MO DAY TO YEAR MO DAY
 88 11 01 TO 88 11 30
 (20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

MAJOR
 NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
FLOW RATE		NO DISCHARGE			*****	*****	*****			
00056 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT 30 DA AV	REPORT DAILY MX	GPD	*****	*****	*****	****	ONCE/MONTH	MEASRD
PH	SAMPLE MEASUREMENT	*****	*****			*****				
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	6.5 DAILY MN	*****	9.0 DAILY MX	SU	ONCE/MONTH	GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	*****	*****		*****	*****				
00530 0 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	*****	*****	****	*****	*****	70 DAILY MX	MG/L	TWICE/MONTH	GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	*****	*****		*****	*****				
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	25 30 DA AV	35 MX 7D AV	MG/L	TWICE/MONTH	GRAB
OIL AND GREASE	SAMPLE MEASUREMENT	*****	*****			*****				
FREON EXTR-GRAV METE	PERMIT REQUIREMENT	*****	*****	****	REPORT DAILY MN	*****	10 DAILY MX	MG/L	ONCE/MONTH	GRAB
IRON, TOTAL (AS FE)	SAMPLE MEASUREMENT	*****	*****		*****	*****				
01045 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT 30 DA AV	2.0 DAILY MX	MG/L	ONCE/MONTH	GRAB
SOLIDS, TOTAL DISSOLVED (MG/L)	SAMPLE MEASUREMENT	*****	*****		*****	*****				
70295 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT 30 DA AV	1000 DAILY MX	MG/L	ONCE/MONTH	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
 J. Brett Harvey
 Vice President
 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 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

[Signature]
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE 801 653-2312
DATE 88 12 08
AREA CODE NUMBER YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
 THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM OTHER THAN IN TRACE AMOUNTS. NO DISCHARGE SANITARY WASTE. IF DISCHARGE INTERMITTENT, REPORT DURATION OF DISCHRG BIOMONITORING TO BE CONDUCTED AT EITHER 001 OR 004.

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME UTAH POWER AND LIGHT CO (WILBE
ADDRESS P O BOX 899
SALT LAKE CITY UT 84110

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)
 (2-16) (17-19)
UT0022896
 PERMIT NUMBER

002 A
 DISCHARGE NUMBER

F - FINAL
DISCHARGE SED POND COTTNWD CR

FACILITY
LOCATION
NOTE: C E SHINGLETON, DIP PERMITTING

MONITORING PERIOD
 FROM YEAR MO DAY TO YEAR MO DAY
 88 11 01 TO 88 11 30
 (20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

MAJOR
NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT	(3 Card Only) QUANTITY OR LOADING (46-53)			(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	MINIMUM	AVERAGE	MAXIMUM	UNITS			
FLOW RATE		NO DISCHARGE			*****	*****	*****				
00056 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT	REPORT	GPD	*****	*****	*****	****		ONCE/MO	MEASRD
PH	SAMPLE MEASUREMENT	*****	*****			*****					
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	6.5	*****	9.0			ONCE/MO	GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	*****	*****		*****	*****					
00530 0 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	*****	*****	****	*****	*****	70			TWICE/MO	GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	*****	*****		*****	*****					
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	25	35			TWICE/MO	GRAB
SOLIDS, SETTLEABLE	SAMPLE MEASUREMENT	*****	*****		*****	*****					
00545 0 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	*****	*****	****	*****	*****	0.5			WEEKLY	GRAB
OIL AND GREASE FROM EXTR-GRAY METH	SAMPLE MEASUREMENT	*****	*****		*****	*****					
00556 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	REPORT	*****	10			ONCE/MO	GRAB
IRON, TOTAL (AS FE)	SAMPLE MEASUREMENT	*****	*****		*****	*****					
01045 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT	2.0			ONCE/MO	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
J. Brett Harvey
 Vice President
 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 USC § 1001 AND 33 USC § 1319. Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.

[Signature]
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE
 801 653-2312
 DATE
 88 12 08
 AREA CODE NUMBER YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
NO DISCHRG (Q) FLOATING SOLIDS OR VISIBLE FOAM OTHER THAN IN TRACE AMTS. NO Q SAN WASTE, Q INTERMITTENT, RPT DURATION, SEE PRMT FOR STORMWATER Q EFFL VARIANCE; EFFL SAMPLE COL DURING SW, Q SHALL BE ANALYZED FOR Q DURING SW. IT SHALL BE ANALYZED FOR Q DURING NONSTORM Q RPT "NR" IN ALL OPEN SS BOXES.
 EPA Form 3320-1 (Rev. 10-79) PREVIOUS EDITIONS TO BE USED UNTIL SUPPLY IS EXHAUSTED. (REPLACES EPA FORM 7-40 WHICH MAY NOT BE USED.)
 00125/121487-1321 PAGE 1 OF

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
 NAME **UTAH POWER AND LIGHT CO (WILBE)**
 ADDRESS **P O BOX 899**
SALT LAKE CITY UT 84110

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)

UT0022896 (2-16) PERMIT NUMBER
 003 A (17-19) DISCHARGE NUMBER

F - FINAL
 DISCHRG SED POND GRIMES WASH

FACILITY
 LOCATION
 ATTN: **C E SHINGLETON, DIR PERMITTING**

MONITORING PERIOD

FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	88	11	01		88	11	30
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

MAJOR
 NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT	(3 Card Only) QUANTITY OR LOADING (54-61)			(4 Card Only) QUALITY OR CONCENTRATION (54-61)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
FLOW RATE		NO DISCHARGE			*****	*****	*****				
00055 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT 30 DA AV	REPORT DAILY MX	GPD	*****	*****	*****	****		ONCE/MONTH	MEASRD
PH	SAMPLE MEASUREMENT	*****	*****			*****					
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	6.5 DAILY MN	*****	9.0 DAILY MX	SU		ONCE/MONTH	GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	*****	*****		*****	*****					
00530 0 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	*****	*****	****	*****	*****	70 DAILY MX	MG/L		TWICE/MONTH	GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	*****	*****		*****	*****					
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	25 30 DA AV	35 7D AV	MG/L		TWICE/MONTH	GRAB
SOLIDS, SETTLEABLE	SAMPLE MEASUREMENT	*****	*****		*****	*****					
00545 0 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	*****	*****	****	*****	*****	0.5 DAILY MX	ML/L		WEEKLY	GRAB
OIL AND GREASE	SAMPLE MEASUREMENT	*****	*****		*****	*****					
FREON EXTR-GRAY METH	PERMIT REQUIREMENT	*****	*****	****	REPORT DAILY MN	*****	10 DAILY MX	MG/L		ONCE/MONTH	GRAB
00556 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	*****					
IRON, TOTAL (AS FE)	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT 30 DA AV	2.0 DAILY MX	MG/L		ONCE/MONTH	GRAB
01045 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	*****					

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
J. Brett Harvey
 Vice President

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 USC § 1001 AND 23 USC § 1319. Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.

[Signature]
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: 801 653-2318
 DATE: 88 12 08

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
 NO DISCHRG (Q) FLTG SOLIDS OR VISIBLE FOAM OTHER THAN IN TRACE AMOUNTS. NO Q SAN WASTE, Q INTERMITTENT, RPT DURATION Q. SEE PRMT FOR STORMWATER Q EFFL VARIANCE; EFFL SAMPLE COL DURING SW, Q SHALL BE ANALYZED FOR SETTLEABLE SOLIDS (SS) IF SAMPLE COL DURING NONSTORM Q RPT "NP" IN ALL OPEN BOXES
 EPA Form 3320-1 (Rev. 10-79) PREVIOUS EDITION TO BE USED UNTIL SUPPLY IS EXHAUSTED. (REPLACES EPA FORM T-40 WHICH MAY NOT BE USED.)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NAME UTAH POWER AND LIGHT CO (WILBE)
 ADDRESS P O BOX 899
SALT LAKE CITY UT 84110

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)

UT0022896 (2-16) SUM A (17-19)
 PERMIT NUMBER DISCHARGE NUMBER

F - FINAL
 COMBINATION 002 AND 003

FACILITY _____
 LOCATION _____

MONITORING PERIOD								
FROM			TO					
YEAR	MO	DAY	YEAR	MO	DAY			
98	11	01	88	11	30			
<small>(20-21) (22-23) (24-25)</small>			<small>(26-27) (28-29) (30-31)</small>					

MAJOR NOTE: Read instructions before completing this form.

ATTN: C E SHINGLETON, DIR PERMITTING

PARAMETER (32-37)	SAMPLE MEASUREMENT	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
SOLEDS, TOTAL DISSOLVED (MG/L) 70295 1 0 0 EFFLUENT GROSS VALUE					*****	*****	*****			
	PERMIT REQUIREMENT	REPORT 30 DA AV	2000 DAILY MX	LBS/DY	*****	*****	*****	****	ONCE/ MONTH	GRAB
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
 J. Brett Harvey
 Vice President
 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 USC § 1001 AND 33 USC § 1319 (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

[Signature]
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE 801 653-2318
 DATE 88 12 08
 AREA CODE NUMBER YEAR MO DAY

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

TOTAL DISCHARGE OF TDS FROM OUTFALLS 002 AND 003 SHALL NOT EXCEED 2,000 LBS/DAY DURING DRAWDOWN.

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME UTAH POWER AND LIGHT CO (WILBE)
ADDRESS P O BOX 899
 SALT LAKE CITY UT 84110

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)

UT0022896 (2-16) 004 A (17-19)
 PERMIT NUMBER DISCHARGE NUMBER

DISCHARGE MINE PORTAL

- COTTONWOOD CREEK -

* Intermittent discharge
 Only one (1) sample was taken

FACILITY
LOCATION
ATTN: C E SHINGLETON, DIR PERMITTING

MONITORING PERIOD
 FROM YEAR 88 MO 11 DAY 01 TO YEAR 88 MO 11 DAY 30
 (20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

MAJOR

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT	(3 Card Only) QUANTITY OR LOADING (46-53)			(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	MINIMUM	AVERAGE	MAXIMUM	UNITS			
FLOW RATE		17,280	17,280	12.0	*****	*****	*****				
00056 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT 30 DA AV	REPORT DAILY MX	GPM GPD	*****	*****	*****	****		ONCE/MO	MEASRD
	SAMPLE MEASUREMENT	*****	*****			*****				*	
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	7.4 6.5 DAILY MN	*****	7.4 9.0 DAILY MX	SU		ONCE/MO	GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	*****	*****		*****	*****	<1.0			*	
00530 0 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	*****	*****	****	*****	*****	70 DAILY MX	MG/L		TWICE/MO	GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	*****	*****		*****	*****	<1.0			*	
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	25 30 DA AV	35 MX 7D AV	MG/L		TWICE/MO	GRAB
OIL AND GREASE FROM EXTR-GRAY METH	SAMPLE MEASUREMENT	*****	*****		*****	*****	1.0			*	
00556 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	REPORT DAILY MN	*****	10 DAILY MX	MG/L		ONCE/MO	GRAB
IRON, TOTAL (AS FE)	SAMPLE MEASUREMENT	*****	*****		*****	*****	0.11 <0.11			*	
01045 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT 30 DA AV	2.0 DAILY MX	MG/L		ONCE/MO	GRAB
SOLIDS, TOTAL DISSOLVED (MG/L)	SAMPLE MEASUREMENT	*****	*****		*****	*****	1017			*	
70295 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT 30 DA AV	1000 DAILY MX	MG/L	1	ONCE/MO	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
 J. Brett Harvey
 Vice President
 TYPED OR PRINTED

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SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE 801 653-2318
 DATE 88 12 08
 AREA CODE NUMBER YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
 THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM OTHER THAN TRACE AMOUNTS. NO DISCHARGE SANITARY WASTE. IF DISCHARGE INTERMITTENT, REPORT DURATION OF DISCHARGE. BIOMONITORING TO BE CONDUCTED AT EI TRER 001 OR 004.

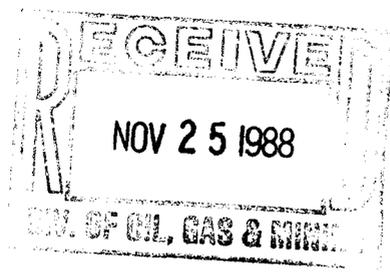
Mine file 015-019 # 7

**utah
power**

& LIGHT COMPANY
MINING DIVISION

Field Office
P. O. Box 1005
Huntington, UT 84528

(801) 653-2312
(801) 653-2318



November 21, 1988

United States Environmental Protection Agency
Region VIII
Denver Place
999 18th Street, Suite 500
Denver, CO 80202-2405

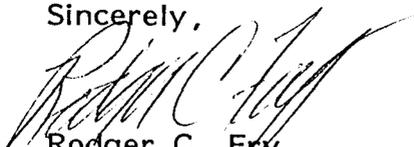
Attention: Water Management Division
Compliance Branch (8WM-C)

Gentlemen:

Enclosed are the monthly Discharge Monitoring reports for the Wilberg Mine (001-004) for the month of October 1988. Location 004 for the month of September is being resubmitted due to improper reporting of the frequency of analysis; only one sample was collected due to the short duration of the discharge.

As noted on the reports, no water was discharged from any of the locations during the reporting period. Included are the biomonitoring results, Location 004, for the third quarter of 1988.

Sincerely,


Rodger C. Fry
Manager of Geology

RCF/CAS/sh/1183
Enclosures

cc: M. Moon
D. Smaldone
V. Payne
C. Semborski
Utah Department of Health
Bureau of Water Pollution Control
P. O. Box 16690
Salt Lake City, UT 84116-0690
Utah State Division of Oil, Gas and Mining
Attention: Lowell Braxton

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
 NAME **UTAH POWER AND LIGHT CO (WILBE)**
 ADDRESS **P O BOX 899**
SALT LAKE CITY UT 84110

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)
 (2-16) (17-19)
UTOC22896
 PERMIT NUMBER
004 A
 DISCHARGE NUMBER

DISCHARGE MINE PORTAL
 - COTTONWOOD CREEK -

FACILITY
 LOCATION
 ATTN: **C E SHINGLETON, DIR PERMITTING**

MONITORING PERIOD
 FROM YEAR **88** MO **09** DAY **01** TO YEAR **88** MO **09** DAY **30**
 (20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

MAJOR
 * Short duration discharge.
 Only one (1) sample was taken
 NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (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 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT 30 DA AV	REPORT DAILY MX	4.3 gpm GPD	*****	*****	*****	****		ONCE/ MONTH	MEASRD
00400 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	****	7.3	*****	7.3		*		
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	6.5 DAILY MN	*****	9.0 DAILY MX	SU		ONCE/ MONTH	GRAB
00530 0 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	*****	*****	****	*****	*****	< 1.0		*		
00530 0 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	*****	*****	****	*****	*****	70 DAILY MX	MG/L		TWICE/ MONTH	GRAB
00530 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	****	*****	< 1.0	< 1.0		*		
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	25 30 DA AV	35 MX 7D AV	MG/L		TWICE/ MONTH	GRAB
00556 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	****	3.5	*****	3.5		*		
00556 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	REPORT DAILY MN	*****	10 DAILY MX	MG/L		ONCE/ MONTH	GRAB
01045 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	****	*****	0.14	0.14		*		
01045 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT 30 DA AV	2.0 DAILY MX	MG/L		ONCE/ MONTH	GRAB
70295 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	****	*****	1182	1182		1	*	
70295 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT 30 DA AV	1000 DAILY MX	MG/L		ONCE/ MONTH	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
J. Brett Harvey
 Vice President
 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 USC § 1001 AND 33 USC § 1319. Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.

[Signature]
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE
801 653-2318
 AREA CODE NUMBER
 DATE
88 10 18
 YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
 THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM OTHER THAN TRACE AMOUNTS. NO DISCHARGE SANITARY WASTE. IF DISCHARGE INTERMITTENT, REPORT DURATION OF DISCHARGE. BIOMONITORING TO BE CONDUCTED AT EITHER 001 OR 004.

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NAME UTAF POWER AND LIGHT CO (WILBE)
 ADDRESS P O BOX 899
SALT LAKE CITY UT 84110

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)

UT0022896
 PERMIT NUMBER

001 A
 DISCHARGE NUMBER

DISCHARGE MINE PORTAL

- GRIMES WASH -

FACILITY _____
 LOCATION _____
 ATTN: C E SINGLETON, DIR PERMITTING

MONITORING PERIOD							
YEAR	MO	DAY	TO	YEAR	MO	DAY	
88	10	01		88	10	31	
(20-21)		(22-23)		(24-25)		(26-27)	
				(28-29)		(30-31)	

MAJOR
 NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT	(3 Card Only) (46-53) QUANTITY OR LOADING (54-61)			(4 Card Only) (38-45) QUALITY OR CONCENTRATION (54-61)				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 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT 30 DA AV	REPORT DAILY MX	GPD	*****	*****	*****	****		ONCE/MONTH	MEASRD
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	6.5 DAILY MN	*****	9.0 DAILY MX	SU		ONCE/MONTH	GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	*****	*****		*****	*****					
00530 0 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	*****	*****	****	*****	*****	70 DAILY MX	MG/L		TWICE/MONTH	GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	*****	*****		*****	*****					
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	25 30 DA AV	35 MX 7D AV	MG/L		TWICE/MONTH	GRAB
OIL AND GREASE FROM EXTR-GRAV METH	SAMPLE MEASUREMENT	*****	*****		*****	*****					
00556 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	REPORT DAILY MN	*****	10 DAILY MX	MG/L		ONCE/MONTH	GRAB
COND, TOTAL (AS FE)	SAMPLE MEASUREMENT	*****	*****		*****	*****					
01045 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT 30 DA AV	2.0 DAILY MX	MG/L		ONCE/MONTH	GRAB
SOLIDS, TOTAL DISSOLVED (MG/L)	SAMPLE MEASUREMENT	*****	*****		*****	*****					
70295 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT 30 DA AV	1000 DAILY MX	MG/L		ONCE/MONTH	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
J. Brett Harvey
Vice President
 TYPED OR PRINTED

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[Signature]
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
801	653-2318	88	11	15
AREA CODE	NUMBER	YEAR	MO	DAY

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

THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM OTHER THAN IN TRACE AMOUNTS. NO DISCHARGE OF SANITARY WASTE. IF DISCHARGE INTERMITTENT, REPORT DURATION OF DISCHRG BIOMONITORING TO BE CONDUCTED AT

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME UTAH POWER AND LIGHT CO (WILBE)
ADDRESS P C BOX 899
SALT LAKE CITY UT 84110

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)
 (2-16) (17-19)
UT0022896
 PERMIT NUMBER

F - FINAL
DISCHARGE SED POND COTTNWD CR

FACILITY
LOCATION
ATTN: C E SHINGLETON, DIR PERMITTING

MONITORING PERIOD
 FROM YEAR 88 MO 10 DAY 01 TO YEAR 88 MO 10 DAY 31
 (20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

MAJOR
NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT	(3 Card Only) QUANTITY OR LOADING (46-53)			(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	MINIMUM	AVERAGE	MAXIMUM	UNITS			
FLOW RATE		NO DISCHARGE			*****	*****	*****				
00056 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT 30 DA AV	REPORT DAILY MX	GPD	*****	*****	*****	****		ONCE/MONTH	MEASRD
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	6.5 DAILY MN	*****	9.0 DAILY MX	SU		ONCE/MONTH	GRAB
SOLIDS, TOTAL SUSPENDED 00530 0 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	*****	*****	****	*****	*****	70 DAILY MX	MG/L		TWICE/MONTH	GRAB
SOLIDS, TOTAL SUSPENDED 00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	25 30 DA AV	35 MX 7D AV	MG/L		TWICE/MONTH	GRAB
SOLIDS, SETTLEABLE 00545 0 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	*****	*****	****	*****	*****	0.5 DAILY MX	ML/L		WEEKLY	GRAB
FOAM AND GREASE FROM EXTR-GRAB METH 00556 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	REPORT DAILY MN	*****	10 DAILY MX	MG/L		ONCE/MONTH	GRAB
IRON, TOTAL (AS FE) 01045 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT 30 DA AV	2.0 DAILY MX	MG/L		ONCE/MONTH	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
J. Brett Harvey
 Vice President
 TYPED OR PRINTED

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[Signature]
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: 801 653-2318
 DATE: 88 11 15
 AREA CODE NUMBER YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
NO DISCHRG (Q) FLOATING SOLIDS OR VISIBLE FOAM OTHER THAN IN TRACE AMTS. NO Q SAN WASTE, Q INTERMITTENT, RPT DURATION, SEE PRMT FOR STORMWATER Q EFFL VARIANCE; EFFL SAMPLE COL DURING SW, Q SHALL BE ANALYZED FOR SETTLEABLE SOLIDS (SS); IF SAMPLE COL DURING NONSTORM Q RPT "NR" IN ALL OPEN SS BOXES.
 EPA Form 3320-1 (Rev. 10-79) PREVIOUS EDITION TO BE USED UNTIL SUPPLY IS EXHAUSTED. (REPLACES EPA FORM T-40 WHICH MAY NOT BE USED.)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NAME UTAH POWER AND LIGHT CO (WILBE)
 ADDRESS P O BOX 399
SALT LAKE CITY UT 84110

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)

(2-16) UT0022896 (17-19) 003 A
 PERMIT NUMBER DISCHARGE NUMBER

F - FINAL
 DISCHRG SED POND GRIMES WASH

FACILITY _____
 LOCATION _____
 ATTN: C E SHINGLETON, DIR PERMITTING

MONITORING PERIOD								
FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY	
	88	10	01		88	10	31	
	(20-21)		(22-23)	(24-25)	(26-27)		(28-29)	(30-31)

MAJOR _____
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PARAMETER (32-37)	SAMPLE MEASUREMENT	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (46-53) (54-61)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
FLOW RATE		NO DISCHARGE			*****	*****	*****				
00056 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT 30 DA AV	REPORT DAILY MX	GPD	*****	*****	*****	****		ONCE/MONTH	MEASRD
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	6.5 DAILY MN	*****	9.0 DAILY MX	SU		ONCE/MONTH	GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	*****	*****		*****	*****					
00530 0 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	*****	*****	****	*****	*****	70 DAILY MX	MG/L		TWICE/MONTH	GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	*****	*****		*****	*****					
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	25 30 DA AV	35 7D AV	MG/L		TWICE/MONTH	GRAB
SOLIDS, SETTLEABLE	SAMPLE MEASUREMENT	*****	*****		*****	*****					
00545 0 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	*****	*****	****	*****	*****	0.5 DAILY MX	ML/L		WEEKLY	GRAB
00556 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	REPORT DAILY MN	*****	10 DAILY MX	MG/L		ONCE/MONTH	GRAB
IRON, TOTAL (AS FE)	SAMPLE MEASUREMENT	*****	*****		*****	*****					
01045 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT 30 DA AV	2.0 DAILY MX	MG/L		ONCE/MONTH	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
J. Brett Harvey
 Vice President

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SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE NUMBER: 801 653-2318
 DATE: 88 11 15

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

NO DSCRG (Q) FLTG SOLIDS OR VISIBLE FOAM OTHER THAN IN TRACE AMOUNTS. NO Q SAN WASTE, Q INTERMITTENT, RPT DURATION Q. SEE PRMT FOR STORMWATER Q EFFL VARIANCE; EFFL SAMPLE COL DURING SW, Q SHALL BE ANALYZED FOR SETTLEABLE SOLIDS (SS) IF SAMPLE COL DURING NONSTORM Q RPT "NR" IN ALL OPEN BOXES

00181/121487-1321

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NAME UTAH POWER AND LIGHT CO (WILBE)
 ADDRESS P O BOX 899
SALT LAKE CITY UT 84110

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)

UT0022896
 PERMIT NUMBER

SUM A
 DISCHARGE NUMBER

F - FINAL
 COMBINATION 002 AND 003

FACILITY
 LOCATION
 ATTN: C F SHINGLETON, DIR PERMITTING

MONITORING PERIOD							
FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	88	10	01		88	10	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

MAJOR
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		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
SOLIDS, TOTAL DISSOLVED (MG/L) 70295 1 0 0 EFFLUENT GROSS VALUE	NO DISCHARGE				*****	*****	*****			
	PERMIT REQUIREMENT	REPORT 30 DA AV	2000 DAILY MX	LBS/DY	*****	*****	*****	****	ONCE/	GRAF
	SAMPLE MEASUREMENT								MONTH	
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
 J. Brett Harvey
 Vice President
 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 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

[Signature]
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE
 801 653-2318
 AREA CODE NUMBER
 DATE
 88 11 15
 YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
 TOTAL DISCHARGE OF TDS FROM OUTFALLS 002 AND 003 SHALL NOT EXCEED 2,000 LBS/DAY DURING DRAWDOWN.

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME UTAH POWER AND LIGHT CO (WILBE)
ADDRESS P O BOX 899
SALT LAKE CITY UT 84110

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)
 (2-16) UT0022896 (17-19) 004 A
 PERMIT NUMBER DISCHARGE NUMBER

DISCHARGE MINE PORTAL
 - COTTONWOOD CREEK -

FACILITY
LOCATION
ATTN: C E SHINGLETON, DIR PERMITTING

MONITORING PERIOD
 FROM YEAR 88 MO 10 DAY 01 TO YEAR 88 MO 10 DAY 31
 (20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

MAJOR
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		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
FLOW RATE		NO DISCHARGE			*****	*****	*****				
00056 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT 30 DA AV	REPORT DAILY MX	GPD	*****	*****	*****	****		ONCE/ MEASRD MONTH	
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	6.5 DAILY MN	*****	9.0 DAILY MX	SU		ONCE/ GRAB MONTH	
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	*****	*****		*****	*****					
00530 0 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	*****	*****	****	*****	*****	70 DAILY MX	MG/L		TWICE/GRAB MONTH	
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	*****	*****		*****	*****					
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	25 30 DA AV	35 7D AV	MG/L		TWICE/GRAB MONTH	
OIL AND GREASE FREON EXTR-GRAV METER	SAMPLE MEASUREMENT	*****	*****		*****	*****					
00556 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	REPORT DAILY MN	*****	10 DAILY MX	MG/L		ONCE/ GRAB MONTH	
IRON, TOTAL (AS FE)	SAMPLE MEASUREMENT	*****	*****		*****	*****					
01045 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT 30 DA AV	2.0 DAILY MX	MG/L		ONCE/ GRAB MONTH	
SOLIDS, TOTAL DISSOLVED (MG/L)	SAMPLE MEASUREMENT	*****	*****		*****	*****					
70295 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT 30 DA AV	1000 DAILY MX	MG/L		ONCE/ GRAB MONTH	

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
J. Brett Harvey
 Vice President
 TYPED OR PRINTED

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[Signature]
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: 801 653-2318
 DATE: 88 11 15
 AREA CODE NUMBER YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
 THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM OTHER THAN TRACE AMOUNTS. NO DISCHARGE OF HAZARDOUS WASTE. IF DISCHARGE INTERMITTENT, REPORT DURATION OF DISCHARGE. BIOMONITORING TO BE CONDUCTED AT EIGHT (8) POINTS ALONG THE CREEK CHANNEL.
 PA Form 3320-1 (Rev. 10-79)



SINCE 1908

COMMERCIAL TESTING & ENGINEERING CO.

GENERAL OFFICES: 1919 SOUTH HIGHLAND AVE., SUITE 210-B, LOMBARD, ILLINOIS 60148 • (312) 953-9300

Member of the SGS Group (*Société Générale de Surveillance*)

PLEASE ADDRESS ALL CORRESPONDENCE TO:
P.O. BOX 1020, HUNTINGTON, UT 84528
TELEPHONE: (801) 653-2311

MILLER CANYON BREAKOUT
NPDES PERMIT NO. UT-0022896

ACUTE STATIC TOXICITY TEST
THIRD QUARTER 1988

Test performed by:

David Council
Commercial Testing and Engineering
Huntington, UT

Test date - Sept 14, 1988
Report date - Nov. 14, 1988

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ABSTRACT

Beginning the third quarter of 1988, Utah Power and Light has been required to perform acute static toxicity tests on grab samples from the effluent of Miller Canyon on a calendar quarter basis. At the request of Chuck Semborski of Utah Power and Light, Commercial Testing and Engineering conducted the static toxicity tests. The biomonitoring was performed in accordance with the latest revision of "Methods for Measuring the Acute Toxicity of Effluents to Freshwater and Marine Organisms", EPA-600/4-85-013. As required by NPDES permit UT-0022896, the tests done were an acute 48 hour static toxicity test with *Ceriodaphnia dubia* and an acute 96 hour static replacement toxicity test using fathead minnows, *Pimephales promentates*, four days old.

INTRODUCTION

Utah Power and Light utilizes the third party services of Commercial Testing and Engineering to operate their Central Fuels Lab in the testing of fuel quality and environmental water quality. This lab has been certified by the EPA through the State of Utah Department of Health to perform environmental water testing under the Safe Drinking Water Act.

As a part of the services CTE performs as a contractor for UPL, CTE agreed to handle UPL's biomonitoring requirements. Chuck Semborski scheduled the test with two weeks notice to allow CTE to obtain lab specimens from Aquatic Biosystems, Ft. Collins, Colorado. The day prior to the test, the specimens were shipped in by Federal Express and acclimated in dilution water for 24 hours prior to the commencement of the test.

Sampling was performed by Chuck Semborski to coincide with the arrival of the test organisms. Samples were taken at the Miller Canyon site and at the receiving stream, Cottonwood Canyon Creek, in 2.5 gallon plastic containers. Samples were delivered within one hour of collection and then stored at 4 C until their use. Sampling for this test was performed on September 13, 1988 with the sample collected from Outfall #4. The biomonitoring test was initiated the following day after lab specimens were properly prepared.

EFFLUENT AND DILUTION WATER

SOURCES AND SAMPLING METHODS
PHYSICAL AND CHEMICAL PROPERTIES

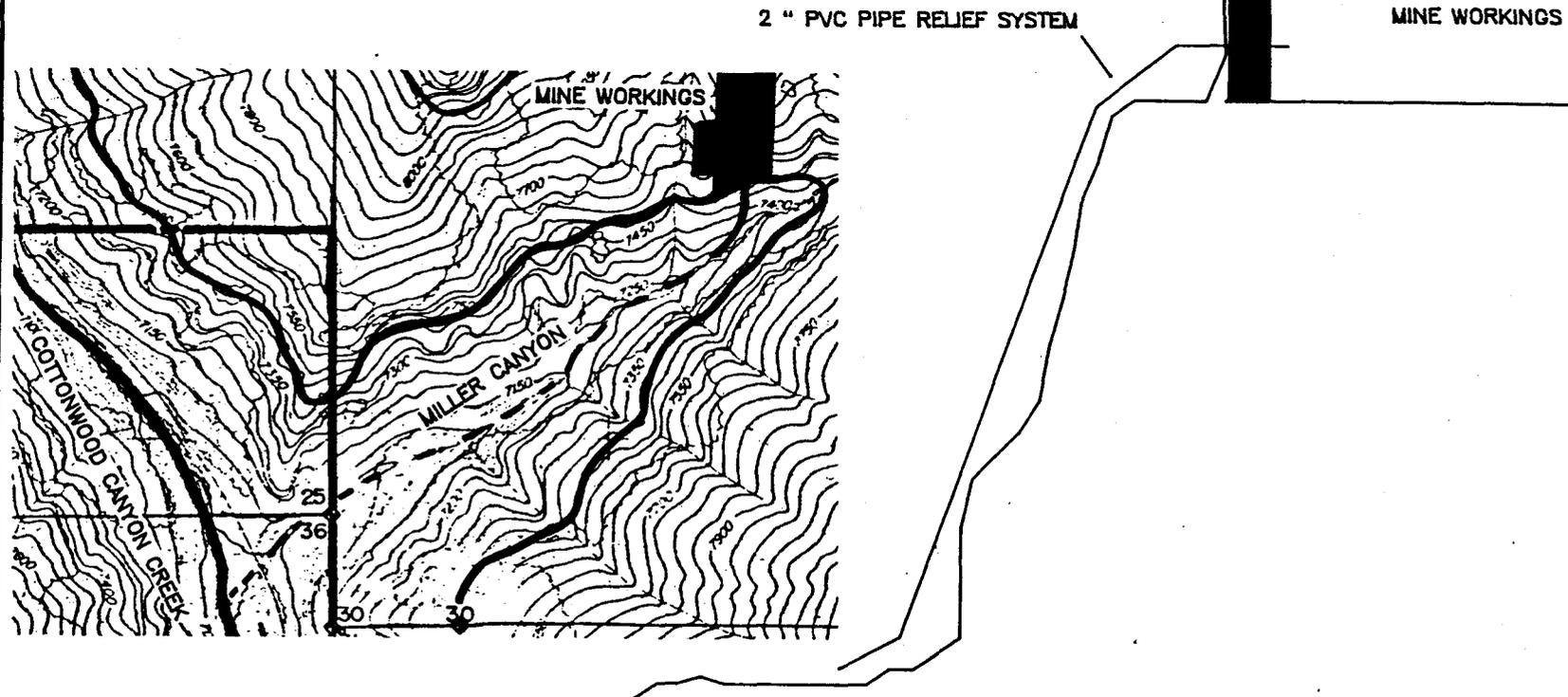
COMMERCIAL TESTING & ENGINEERING CO.



MILLER CANYON NPDES BIOMONITORING

COLLECTION PROCEDURE

1. Before taking the sample, each 2 1/2 gallon plastic container was rinsed 3 times by filling it to 1/4 of its capacity.
2. At the Miller Canyon site each container is filled directly from the PVC relief system, at the receiving stream – Cottonwood Canyon Creek – each container is filled directly from the stream. (the container is allowed to overflow 5 times its capacity)
3. Samples are then delivered to Testing lab within one hour.





COMMERCIAL TESTING & ENGINEERING CO.

GENERAL OFFICES: 1919 SOUTH HIGHLAND AVE., SUITE 210-B, LOMBARD, ILLINOIS 60148 • (312) 953-9300

NCE 1908

Member of the SGS Group (Société Générale de Surveillance)

PLEASE ADDRESS ALL CORRESPONDENCE TO:
P.O. BOX 1020, HUNTINGTON, UT 84528
TELEPHONE: (801) 653-2311

November 14, 1988

Job No.: 9413
Date Rec'd: September 13, 1988
Date Sampled: September 13, 1988
Sampled By: UP&L

Sample ID:
Miller Canyon Breakout
Temperature 52 degrees
Flow 4.3 gpm
Rec'd 1625 hr.
Sampled 1500 hr.

UTAH POWER & LIGHT CO.
P.O. Box 1005
Huntington, Utah 84528

WATER ANALYSIS

Acidity	28 mg/l CaCO ₃	Iron, Dissolved	0.14 mg/l
09/14/88		09/19/88	
Alk., Bicarbonate	334 mg/l HCO ₃	Magnesium	76.90 mg/l
09/14/88		09/19/88	
Alk., Carbonate	1< mg/l CaCO ₃	Manganese	0.01< mg/l
09/14/88		09/19/88	
Alk., Total	274 mg/l CaCO ₃	Oil and Grease	3.5 mg/l
09/14/88		09/16/88	
Anions, Total	13.81 meq/l	Oxygen, Dissolved	4.2 mg/l
		09/13/88	
Calcium	136.4 mg/l	pH	7.30 Units
09/19/88		09/13/88	
Cations, Total	14.62 meq/l	Potassium	8.10 mg/l
		09/19/88	
Chloride	15.0 mg/l	Sodium	29.90 mg/l
09/14/88		09/19/88	
Conductivity	1398 umhos/cm	Solids, Dissolved	1182.0 mg/l
09/14/88		09/15/88	
Hardness, Total	657 mg/l CaCO ₃	Solids, Suspended	1.0< mg/l
		09/15/88	
Iron	0.14 mg/l	Sulfate	383.0 mg/l
09/19/88		09/14/88	

ANALYST: _____

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

W U

Manager, Huntington Laboratory

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For Your Protection

OVER 40 BRANCH LABORATORIES STRATEGICALLY LOCATED IN PRINCIPAL COAL MINING AREAS,
TIDEWATER AND GREAT LAKES PORTS, AND RIVER LOADING FACILITIES



COMMERCIAL TESTING & ENGINEERING CO.

GENERAL OFFICES: 1919 SOUTH HIGHLAND AVE., SUITE 210-B, LOMBARD, ILLINOIS 60148 • (312) 953-9300

SINCE 1908

Member of the SGS Group (Société Générale de Surveillance)

PLEASE ADDRESS ALL CORRESPONDENCE TO:
P.O. BOX 1020, HUNTINGTON, UT 84528
TELEPHONE: (801) 653-2311

November 14, 1988

Job No.: 9417
Date Rec'd: September 13, 1988
Date Sampled: September 12, 1988
Sampled By: UP&L

Sample ID:
COTTONWOOD CREEK
Above Miller Canyon
Dilution Water
Rec'd 1625 hr.
No Sampling Time

UTAH POWER & LIGHT CO.
P.O. Box 1005
Huntington, Utah 84528

WATER ANALYSIS

Alk., Total	220	mg/l CaCO ₃	Magnesium	33.40	mg/l
09/14/88			09/19/88		
Calcium	56.6	mg/l	Oxygen, Dissolved	7.1	mg/l
09/19/88			09/13/88		
Hardness, Total	279	mg/l CaCO ₃	pH	8.15	Units
			09/13/88		

ANALYST: _____

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

M Y

Manager, Huntington Laboratory

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For Your Protection

OVER 40 BRANCH LABORATORIES STRATEGICALLY LOCATED IN PRINCIPAL COAL MINING AREAS.

TEST METHODS

METHODS USED
TEST CONDITIONS
ORGANISM DATA

COMMERCIAL TESTING & ENGINEERING CO.



TOXICITY TEST PROCEDURES

Biomonitoring studies were performed in accordance with EPA procedures from EPA/600/4-85 Methods for Measuring the Acute Toxicity of Effluents to Freshwater and Marine Organisms.

1. Test Duration

Acute non-renewal toxicity testing was performed with two species. The *Ceriodaphnia dubia* was used in a 48 hour test; and the fathead minnow was used for a 96 hour duration.

2. Preparation of Test solutions

An excess volume of each solution was prepared for the test using the the sample to be tested and the dilution water. In addition to the 100% effluent sample and the control (100% dilution water), the effluent was also diluted to the following concentration: 50%, 25%, 12.5%, and 6.25%.

3. Control

The control used was the same dilution water used in the test. Test conditions, procedures, and test animals were the same as used in testing the effluent. Maximum control mortality allowed during the test was 10% or two of the twenty used in the test.

4. Preparation of Test Organisms

Upon their arrival in the lab, organisms were acclimated to the dilution water and held there for a minimum of twenty-four hours before the start of the test. Three day old fathead minnows were received and acclimated for the 24 hours. Neonates of the *Ceriodaphnia dubia* were obtained by placing adults bearing embryos in their brood pouches from the stock cultures into 400 ml. beakers containing 300 ml. of dilution water 24 hours preceding the start of the test. The young neonates found in the beakers the next day were used for the toxicity test.

5. Number of Test Organisms

Twenty organisms of each species were used in each effluent concentration. Each organism was captured using a small pipette with a wide opening and inner diameter of 8 mm.

6. Replicate Test Chambers

Each effluent and control was done in duplicate to permit easier viewing and counting of organisms, to avoid overcrowding, and to safeguard from invalidating the test due to accidental loss of a test vessel.

7. Loading of Test Organisms

To prevent overcrowding of organisms and the resulting

effects of oxygen depletion and accumulation of excess amounts of metabolic waste products. test limits for non-renewal static tests are set at 0.4 g/L of test solution for temperatures above 20 C. For these tests, loading was done at ten organisms per test volume (see Tables 3 and 4).

8. Test Temperature

The temperature of the test solutions were maintained at ambient lab levels. Monitored daily, the temperatures were within one degree of 21 C during the duration of the test.

9. Stress

To minimize stress, the test was performed in a low traffic area of the lab.

10. Dissolved Oxygen Concentration

The dissolved oxygen concentration was measured every two hours in the 100% effluent and the control for the first eight hours and then once daily. The dissolved oxygen level is not to fall below 40% saturation; in this test, levels stayed well above the minimum so aeration was unnecessary.

11. Illumination

Normal lab light illumination was used (see tables 3 and 4).

12. Feeding

There was no feeding during the two tests to prevent adding the problem of build-up of food and metabolic wastes.

13. Chemical data

At the beginning of the test, chemical tests were performed on the effluent and control - pH, conductivity, total alkalinity, total hardness, and total residual chlorine. Dissolved oxygen and temperature were measured daily. Chemical analyses were performed according to standard methods found in METHODS FOR CHEMICAL ANALYSIS OF WATER AND WASTEWATER, EPA, 1979.

14. Biological data

To determine toxicity in aquatic organisms, death is established by the following criteria - for fish, no movement (especially gill movement) and no reaction to gentle prodding are the criteria used. For the Ceriodaphnia, death is defined as the lack of movement of the body or appendages on gentle prodding (as observed through a 30X dissecting microscope).

The number of surviving organisms in each test container were counted daily. When recognizable, dead organisms were also removed at that time.

Mean lengths and weights of test fish were obtained by

sacrificing control organisms at the end of the test. The species, source, and age of test organisms were also recorded.

15. Effluent Replacement

For the fathead minnow toxicity test, new solutions were prepared every twenty-four hours in accordance with NPDES permit UT-0022896 calling for a replacement static toxicity test. For the Ceriodaphnia, the original solutions were used for the 48 hour duration.

16. Quality Control

To insure accuracy and precision of the data, quality control using a reference toxicant was employed. By using a toxicant on a set of test animals concurrently with the biomonitoring test, the following areas can be tested - source and condition of test organisms, equipment condition, use of reference toxicants, record keeping, and data evaluation. Test conditions used were the same as for the biomonitoring, dilution water was used, and various concentrations of copper sulfate served as the reference toxicant. As EPA reference toxicants were not available at the start of this test, Dr. Cornelius Weber of EPA's EMSL Aquatic Biology Dept. provided the LC50 data for the copper sulfate.

TABLE 1. TEST CONDITIONS FOR THE DAPHNIDS
(CERIODAPHNIA DUBIA)

1. Temperature (C)	21 + 2 C
2. Light quality	Ambient laboratory illumination
3. Light intensity	Ambient laboratory levels (50-100 ft c)
4. Photoperiod	9 h light/ 24 h
5. Size of test vessels	100 ml beaker
6. Volume of test solution	50 ml
7. Age of test animal	1-24 h (neonates)
8. No. of daphnids/ vessel	10
9. No. of replicate test vessels/ conc.	2
10. Total no. organisms per concentration	20
11. Feeding regime	Daphnids were not fed during the 48 hr. test.
12. Aeration	None. DO concentration was above the 40% saturation level.
13. Dilution water	Receiving water (Cottonwood Canyon)
14. Test duration	48 hours
15. Effect measured	Mortality - no movement of body or appendages on gentle prodding (LC50)

TABLE 2. TEST CONDITIONS FOR THE FATHEAD MINNOW
(PIMEPHALES PROMELAS)

1. Temperature (C)	21 + 2 C
2. Light quality	Ambient laboratory illumination
3. Light intensity	Ambient laboratory levels (50-100 ft c)
4. Photoperiod	9 h light/ 24 h
5. Size of test vessels	1 L
6. Volume of test solution	0.75 L
7. Age of fish	3 days
8. No. of fish/0.75 L	10
9. No. of replicate test vessels/ conc.	2
10. Total no. organisms per concentration	20
11. Feeding regime	Fish were not fed during the 96 hr. test.
12. Aeration	None. DO concentration was above the minimum 40% saturation level.
13. Dilution water	Receiving water (Cottonwood Canyon)
14. Test duration	96 h.
15. Effluent replacement	New solutions of effluent and dilutions prepared and used every 24 hours
16. Effect measured	Mortality - no movement (LC50)

Aquatic BioSystems, Inc.

ORGANISM HISTORY

DATE: 9/12/88

SPECIES: Pimephales promelas

AGE: 3 days

LIFE STAGE: Larvae

HATCH DATE: 9/9/88

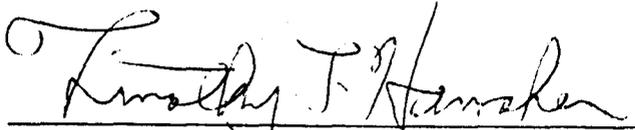
BEGAN FEEDING: 9/10/88

FOOD: Artemia

Water Chemistry Record:

	Mean	Range
TEMPERATURE:	<u>22 C.</u>	<u>21-23 C.</u>
SALINITY / CONDUCTIVITY:	<u>-</u>	<u>-</u>
TOTAL HARDNESS (as CaCO ₃):	<u>94 mg/l</u>	<u>-</u>
TOTAL ALKALINITY (as CaCO ₃):	<u>65 mg/l</u>	<u>-</u>
pH:	<u>8.09</u>	<u>-</u>

Comments: Sent 245 organisms.



Facility Supervisor

9/12/88

Date

TABLE 3

DATA SHEET FOR EFFLUENT TOXICITY

Industry - Utah Power and Light
 Effluent- Miller Canyon
 Diluent - Cottonwood Canyon Creek
 NPDES Permit - UT 0022896

Species- Ceriodaphnia dubia
 Age- twenty-four hours
 (neonates)

Person conducting test - David Council
 Beginning - 9-14-88 3 pm
 Ending - 9-16-88 3 pm

CONC. %	CONT. #	NUMBER OF LIVE ORGANISMS			DISSOLVED OXYGEN (mg/l)		
		0	24	48	0	24	48
100%	1	10	10	4	6.0	7.0	7.0
100%	2	10	10	8			
50%	3	10	10	10			
50%	4	10	10	10			
25%	5	10	10	10			
25%	6	10	10	10			
12.5%	7	10	10	10			
12.5%	8	10	10	10			
6.25%	9	10	10	10			
6.25%	10	10	10	10			
CTRL	11	10	10	10	7.1	7.0	6.8
CTRL	12	10	10	10			

TABLE 4

DATA SHEET FOR EFFLUENT TOXICITY

Industry - Utah Power and Light
 Effluent- Miller Canyon
 Diluent - Cottonwood Canyon Creek
 NPDES Permit - UT 0022896

Species- Pimephales promelas
 Age- four days
 Length- 5.6 mm (SD=.5)
 Weight- 0.54 ug (SD=.07)

Person conducting test - David Council
 Beginning - 9-14-88 3 pm
 Ending - 9-18-88 3 pm

CONC. %	CONT. #	NUMBER OF LIVE ORGANISMS					DISSOLVED OXYGEN (mg/l)				
		0	24	48	72	96	0	24	48	72	96
100%	1	10	10	9	8	7	6.0	7.0	7.1	8.6	7.2
100%	2	10	10	10	8	7					
50%	3	10	10	10	10	10					
50%	4	10	10	10	9	9					
25%	5	10	10	10	9	8					
25%	6	10	10	10	10	10					
12.5%	7	10	10	10	8	8					
12.5%	8	10	10	10	10	9					
6.25%	9	10	10	10	9	9					
6.25%	10	10	10	10	10	10					
CTRL	11	10	10	10	10	9					
CTRL	12	10	10	10	10	10	7.1	9.0	6.8	6.8	6.8



QUALITY CONTROL

A reference toxicant is used to establish the validity of toxicity data from test laboratories. Test organism age, condition, and sensitivity can affect the accuracy of test data so a reference toxicant is used to establish organism sensitivity. If the LC50 of the reference toxicant does not fall in the expected range, organism sensitivity and test credibility become suspect.

Due to the inability to obtain a reference toxicant from the EPA before the start of the test, CTE contacted Dr. Cornelius Weber of the EPA Aquatic Biology Department who recommended the use of copper sulfate. The LC50 value of the copper was given as 260 ug/L for the fathead minnow at a hardness of 200 mg/L calcium carbonate. For the test, concentrations used were as follows: 1 mg/l (100%), 500 ug/l (50%), 250 ug/l (25%), 125 ug/l (12.5%), and 62.5 ug/l (6.25%).

From the results (see Table 6), the LC50 was calculated using the moving average-angle method. This method is recommended for two reasons - it is easily calculated using pocket calculators and it permits a calculation of the 95% confidence level for the LC50 when no partial mortalities occur (which is common in effluent bioassays). Results of the reference toxicant show that the expected LC50 of the copper did fall in the 95% confidence level.

TABLE 5

DATA SHEET FOR EFFLUENT TOXICITY
REFERENCE TOXICANT

Industry - Utah Power and Light
Effluent- Miller Canyon
Diluent - Cottonwood Canyon Creek
NPDES Permit - UT 0022896

Species- Pimephales promelas
Age- four days
Length- 5.6 mm (SD=.5)
Weight- 0.54 ug (SD=.07)

Person conducting test - David Councilll.
Beginning - 9-14-88 3 pm
Ending - 9-18-88 3 pm
Toxicant- copper (copper sulfate)

CONC. (mg/l)	CONT. #	NUMBER OF LIVE ORGANISMS					DISSOLVED OXYGEN (mg/l)				
		0	24	48	72	96	0	24	48	72	96
1.0000	13	10	5	0	0	0					
1.0000	14	10	0	0	0	0					
0.5000	15	10	10	4	1	0					
0.5000	16	10	9	6	0	0					
0.0250	17	10	10	9	8	8					
0.0250	18	10	9	6	4	4					
0.0125	19	10	10	10	10	10					
0.0125	20	10	10	10	10	10					
0.0625	21	10	10	10	9	9					
0.0625	22	10	10	10	10	10					
CTRL	11	10	10	10	10	9					
CTRL	12	10	10	10	10	10	7.1	9.0	6.8	6.8	6.8

TABLE 6

REFERENCE TOXICANT RESULTS - PIMEPHALES PROMELAS

LC50 confidence limits (95%) using the Moving Average-Angle Method

Effluent conc. (%)	Log10 conc.	Response proportion (RP)	Transformed RP angle (degrees)	Moving Average-angle (degrees)
100	2.00000	1.0	83.5807	
50	1.69897	1.0	83.5807	72.6433
25	1.39794	0.6	50.7684	46.9228
12.5	1.09691	0.0	6.4193	23.3696
6.25	0.79588	0.05	12.9210	

	Effluent conc. (%)	Log10 conc.	Copper conc. (ug/L)
LOWER LIMIT	19.42	1.28815	194.2
LC 50	23.57	1.37241	235.7
UPPER LIMIT	29.89	1.47554	298.9

$G = .06315$

(If G is greater than 2, caution should be used in using LC50 and the confidence limits; as G approaches 1, the LC50 and limits become meaningless.)

DISCUSSION
AND
RECOMMENDATIONS

COMMERCIAL TESTING & ENGINEERING CO.





COMMERCIAL TESTING & ENGINEERING CO.

GENERAL OFFICES: 1919 SOUTH HIGHLAND AVE., SUITE 210-B, LOMBARD, ILLINOIS 60148 • (312) 953-9300

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Member of the SGS Group (Société Générale de Surveillance)

PLEASE ADDRESS ALL CORRESPONDENCE TO:
P.O. BOX 1020, HUNTINGTON, UT 84528
TELEPHONE: (801) 853-2311

DISCUSSION AND RECOMMENDATIONS

To avoid toxicity in receiving waters, the receiving water waste concentration must be less than or equal to the NOEC (No Observed Effect Concentration) of the effluent.

Since 100% effluent did not affect fifty percent or more of the test organisms, no LC50 value was established, although 100% effluent did cause more mortalities than the control and lower concentrations for both vertebrate and invertebrate test species. However, the effluent being tested had a discharge rate of 4.3 gallons per minute, and its point of discharge was some distance from the receiving stream. In as much as the effluent from Miller Canyon is of such a low flow that it seldom if ever reaches the receiving water (a distance of .57 miles), the actual effluent would have to be aided from runoff from surface water, diluting it considerably.

Based on the flow rate of the effluent and the distance it must travel to reach Cottonwood Canyon Creek, the potential for acute toxicity from the effluent would be negligible. The effluent that actually made it to the receiving water would be of a diluted concentration less than the no observed effect concentration, not withstanding the fact that the pure effluent only shows minimal effects.

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

W U
Manager, Huntington Laboratory

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OVER 40 BRANCH LABORATORIES STRATEGICALLY LOCATED IN PRINCIPAL COAL MINING AREAS,
TIDEWATER AND GREAT LAKES PORTS, AND RIVER LOADING FACILITIES

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
 NAME UTAH POWER AND LIGHT CO (WILBE)
 ADDRESS P O BOX 899
SALT LAKE CITY UT 84110

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)
 (2-16) (17-19)
 UT0022896
 PERMIT NUMBER
 004 A
 DISCHARGE NUMBER

DISCHARGE MINE PORTAL
 - COTTONWOOD CREEK -

FACILITY _____
 LOCATION _____
 ATTN: C E SHINGLETON, DIR PERMITTING

MONITORING PERIOD
 FROM YEAR 88 MO 09 DAY 01 TO YEAR 88 MO 09 DAY 30
 (20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

MAJOR NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
FLOW RATE		6,192	6,192	4.3 gpm	*****	*****	*****			
00056 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT 30 DA AV	REPORT DAILY MX	GPD	*****	*****	*****	****	ONCE/ MONTH	HEASRD
PH	SAMPLE MEASUREMENT	*****	*****		7.3	*****	7.3		One sample	
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	6.5 DAILY MN	*****	9.0 DAILY MX	SU	ONCE/ MONTH	GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	*****	*****		*****	*****	< 1.0		One sample	
00530 0 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	*****	*****	****	*****	*****	70 DAILY MX	MG/L	TWICE/ MONTH	GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	*****	*****		*****	*****	< 1.0		One sample	
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	25 30 DA AV	35 MX 7D AV	MG/L	TWICE/ MONTH	GRAB
OIL AND GREASE FREON EXTR-GRAY METH	SAMPLE MEASUREMENT	*****	*****		3.5	*****	3.5		One sample	
00556 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	REPORT DAILY MN	*****	10 DAILY MX	MG/L	ONCE/ MONTH	GRAB
IRON, TOTAL (AS FE)	SAMPLE MEASUREMENT	*****	*****		*****	0.14	0.14		One sample	
01045 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT 30 DA AV	2.0 DAILY MX	MG/L	ONCE/ MONTH	GRAB
SOLIDS, TOTAL DISSOLVED (MG/L)	SAMPLE MEASUREMENT	*****	*****		*****	1182	1182	1	One sample	
70295 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT 30 DA AV	1000 DAILY MX	MG/L	ONCE/ MONTH	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
J. Brett Harvey
Vice President
 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 USC § 1001 AND 33 USC § 1319 (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years.)

[Signature]
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE
 801 653-2318
 DATE
 88 10 18
 AREA CODE NUMBER YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
 THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM OTHER THAN TRACE AMOUNTS. NO DISCHARGE SANITARY WASTE. IF DISCHARGE INTERMITTENT, REPORT DURATION OF DISCHARGE. BIOMONITORING TO BE CONDUCTED AT EITHER 001 OR 004.

Facility Name/Location if different
 NAME UTAH POWER AND LIGHT CO (WILBE)
 ADDRESS P O BOX 899
SALT LAKE CITY UT 84110

UT0022896
 PERMIT NUMBER

001 A
 DISCHARGE NUMBER

DISCHARGE MINE PORTAL
 - GRIMES WASH -

FACILITY _____
 LOCATION _____
 ATTN: C E SHINGLETON, DIR PERMITTING

MONITORING PERIOD

FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	88	09	01		88	09	30
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

MAJOR
 NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT	(3 Card Only) (46-53) QUANTITY OR LOADING (54-61)			(4 Card Only) (38-45) QUALITY OR CONCENTRATION (54-61)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
FLOW RATE		NO DISCHARGE			*****	*****	*****				
00055 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT 30 DA AV	REPORT DAILY MX	GPD	*****	*****	*****	****		ONCE/ MONTH	MEASRD
PH	SAMPLE MEASUREMENT	*****	*****			*****					
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	6.5 DAILY MN	*****	9.0 DAILY MX	SU		ONCE/ MONTH	GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	*****	*****		*****	*****					
00530 0 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	*****	*****	****	*****	*****	70 DAILY MX	MG/L		TWICE/ MONTH	GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	*****	*****		*****	*****					
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	25 30 DA AV	35 MX 7D AV	MG/L		TWICE/ MONTH	GRAB
OIL AND GREASE FREON EXTR-GRAY METH	SAMPLE MEASUREMENT	*****	*****		*****	*****					
00556 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	REPORT DAILY MN	*****	10 DAILY MX	MG/L		ONCE/ MONTH	GRAB
IRON, TOTAL (AS FE)	SAMPLE MEASUREMENT	*****	*****		*****	*****					
01045 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT 30 DA AV	2.0 DAILY MX	MG/L		ONCE/ MONTH	GRAB
SOLIDS, TOTAL DISSOLVED (MG/L)	SAMPLE MEASUREMENT	*****	*****		*****	*****					
70295 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT 30 DA AV	1000 DAILY MX	MG/L		ONCE/ MONTH	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
 J. Brett Harvey
 Vice President
 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 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

[Signature]
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
801	653-2318	88	10	18
AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
 THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM OTHER THAN IN TRACE AMOUNTS. NO DISCHARGE OF SANITARY WASTE. IF DISCHARGE INTERMITTENT, REPORT DURATION OF DISCHRG BIOMONITORING TO BE CONDUCTED AT EITHER 001 OR 004.

Facility Name/Location if different
NAME UTAH POWER AND LIGHT CO (WILBE)
ADDRESS P O BOX 899
SALT LAKE CITY UT 84110

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)
 (2-16) (17-19)
UT0022896 **002 A**
 PERMIT NUMBER DISCHARGE NUMBER

F - FINAL
DISCHARGE SED POND COTTNWD CR

FACILITY
LOCATION

MONITORING PERIOD
 FROM **YEAR** 88 **MO** 09 **DAY** 01 TO **YEAR** 88 **MO** 09 **DAY** 30
 (20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

MAJOR
NOTE: Read instructions before completing this form.

ATTN: C E SHINGLETON, DIR PERMITTING

PARAMETER (32-37)	SAMPLE MEASUREMENT	(3 Card Only) QUANTITY OR LOADING (46-53)			(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	MINIMUM	AVERAGE	MAXIMUM			
FLOW RATE		NO DISCHARGE			*****					
00056 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT 30 DA AV	REPORT DAILY MX	GPD	*****	*****	*****	****	ONCE/MONTH	MEASRD
PH	SAMPLE MEASUREMENT	*****	*****			*****				
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	6.5 DAILY MN	*****	9.0 DAILY MX	SU	ONCE/MONTH	GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	*****	*****		*****	*****				
00530 C 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	*****	*****	****	*****	*****	70 DAILY MX	MG/L	TWICE/MONTH	GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	*****	*****		*****	*****				
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	25 30 DA AV	35 7D AV	MG/L	TWICE/MONTH	GRAB
SOLIDS, SETTLEABLE	SAMPLE MEASUREMENT	*****	*****		*****	*****				
00545 0 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	*****	*****	****	*****	*****	0.5 DAILY MX	ML/L	WEEKLY	GRAB
OIL AND GREASE FREON EXTR-GRAY METH	SAMPLE MEASUREMENT	*****	*****		*****	*****				
00556 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	REPORT DAILY MN	*****	10 DAILY MX	MG/L	ONCE/MONTH	GRAB
IRON, TOTAL (AS FE)	SAMPLE MEASUREMENT	*****	*****		*****	*****				
01045 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT 30 DA AV	2.0 DAILY MX	MG/L	ONCE/MONTH	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
 J. Brett Harvey
 Vice President
 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 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

[Signature]
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE **DATE**
 801 653-2318 88 10 18
 AREA CODE NUMBER YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
 NO DISCHRG (Q) FLOATING SOLIDS OR VISIBLE FOAM OTHER THAN IN TRACE AMTS. NO Q SAN WASTE, Q INTERMITTENT, RPT DURATION, SEE PRMT FOR STORMWATER Q EFFL VARIANCE, EFFL SAMPLE COL DURING SW, Q SHALL BE ANALYZED FOR SETTLEABLE SOLIDS (SS). IF SAMPLE COL DURING NONSTORM Q RPT "NR" IN ALL OPEN SS BOXES.
 EPA Form 3320-1 (Rev. 10-79) PREVIOUS EDITION TO BE USED UNTIL SUPPLY IS EXHAUSTED. (REPLACES EPA FORM T-40 WHICH MAY NOT BE USED.)

Facility Name/Location if different
 NAME UTAH POWER AND LIGHT CO (WILBE
 ADDRESS P O BOX 899
SALT LAKE CITY UT 84110

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)
 (2-16) (17-19)
UT0022896
 PERMIT NUMBER
003 A
 DISCHARGE NUMBER

F - FINAL
 DISCHRG SED POND GRIMES WASH

FACILITY _____
 LOCATION _____

MONITORING PERIOD
 FROM YEAR 88 MO 09 DAY 01 TO YEAR 88 MO 09 DAY 30
 (20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

MAJOR _____
 NOTE: Read instructions before completing this form.

ATTN: C E SHINGLETON, DIR PERMITTING

PARAMETER (32-37)	SAMPLE MEASUREMENT	(3 Card Only) QUANTITY OR LOADING (46-53)			(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	MINIMUM	AVERAGE	MAXIMUM	UNITS			
FLOW RATE		NO DISCHARGE			*****	*****	*****				
00056 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT 30 DA AV	REPORT DAILY MX	GPD	*****	*****	*****	****		ONCE/ MEASRD MONTH	
PH	SAMPLE MEASUREMENT	*****	*****								
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	6.5 DAILY MN	*****	9.0 DAILY MX	SU		ONCE/ GRAB MONTH	
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	*****	*****		*****	*****					
00530 0 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	*****	*****	****	*****	*****	70 DAILY MX	MG/L		TWICE/GRAB MONTH	
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	*****	*****		*****	*****					
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	25 30 DA AV	35 MX 7D AV	MG/L		TWICE/GRAB MONTH	
SOLIDS, SETTLEABLE	SAMPLE MEASUREMENT	*****	*****		*****	*****					
00545 0 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	*****	*****	****	*****	*****	0.5 DAILY MX	ML/L		WEEKLY GRAB	
OIL AND GREASE	SAMPLE MEASUREMENT	*****	*****			*****					
00556 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	REPORT DAILY MN	*****	10 DAILY MX	MG/L		ONCE/ GRAB MONTH	
IRON, TOTAL (AS FE)	SAMPLE MEASUREMENT	*****	*****		*****	*****					
01045 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT 30 DA AV	2.0 DAILY MX	MG/L		ONCE/ GRAB MONTH	

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
J. Brett Harvey
Vice President
 TYPED OR PRINTED

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[Signature]
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE 801 653-2318
 DATE 88 10 18
 AREA CODE NUMBER YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
NO DSCRG (Q) FLTG SOLIDS OR VISIBLE FOAM OTHER THAN IN TRACE AMOUNTS. NO Q SAN WASTE, Q INTERMITTENT, RPT DURATION Q, SEE PRMT FOR STORMWATER Q EFFL VARIANCE, EFFL SAMPLE COL DURING SW, Q SHALL BE ANALYZED FOR SETTLEABLE SOLIDS (SS) IF SAMPLE COL DURING NONSTORM Q RPT UNR IN ALL OPEN BOXES
 EPA Form 3320-7 (Rev. 10-79) PREVIOUS EDITIONS TO BE USED UNTIL SUPPLY IS EXHAUSTED. (REPLACES EPA FORM 1-40 WHICH MAY NOT BE USED.)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
 NAME UTAH POWER AND LIGHT CO (WILBE
 ADDRESS P O BOX 899
SALT LAKE CITY UT 84110

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)
 (2-16) (17-19)

UT0022896 **SUM A**
 PERMIT NUMBER DISCHARGE NUMBER

F - FINAL
 COMBINATION 002 AND 003

FACILITY _____
 LOCATION _____
 ATTN: **C E SHINGLETON, DIR PERMITTING**

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
88	09	01		88	09	30
(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

MAJOR
 NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT	QUANTITY OR LOADING (46-53)			QUALITY OR CONCENTRATION (54-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
SOLIDS, TOTAL DISSOLVED (MG/L) 70295 1 0 0 EFFLUENT GROSS VALUE		NO DISCHARGE			*****	*****	*****			
	PERMIT REQUIREMENT	REPORT 30 DA AV	2000 DAILY MX	LBS/DY	*****	*****	*****	****	ONCE/ MONTH	GRAB
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
J. Brett Harvey
 Vice President
 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 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

[Signature]
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE **801 653-2318**
 DATE **88 10 18**
 AREA CODE NUMBER YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
TOTAL DISCHARGE OF TDS FROM OUTFALLS 002 AND 003 SHALL NOT EXCEED 2,000 LBS/DAY DURING DRAWDOWN.

**Utah
power**

& LIGHT COMPANY
MINING DIVISION

Field Office

P. O. Box 1005

Huntington, UT 84528

(801) 653-2312

(801) 653-2318

RECEIVED
OCT 05 1988

DIVISION OF
OIL, GAS & MINING

September 28, 1988

United States Environmental Protection Agency
Region VIII
Denver Place
999 18th Street, Suite 500
Denver, CO 80202-2405

Attention: Water Management Division
Compliance Branch (8WM-C)

Gentlemen:

Enclosed are the monthly Discharge Monitoring reports for the Wilberg Mine (001-004) for the month of August 1988.

As noted on the reports, no water was discharged from any of the locations during the reporting period.

Sincerely,


Rodger C. Fry
Manager of Geology

RCF/CAS/sh/1153

Enclosures

cc: M. Moon

D. Smaldone

V. Payne

C. Semborski

Utah Department of Health

Bureau of Water Pollution Control

P. O. Box 16690

Salt Lake City, UT 84116-0690

Utah State Division of Oil, Gas and Mining

Attention: Lowell Braxton

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME UTAH POWER AND LIGHT CO (WILBE)
ADDRESS P O BOX 899
SALT LAKE CITY UT 84110

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)
 (2-16) (17-19)

DISCHARGE MINE PORTAL

UT0022896 **001 A**
 PERMIT NUMBER DISCHARGE NUMBER

- GRIMES WASH -

FACILITY
LOCATION

MONITORING PERIOD
 FROM YEAR MO DAY TO YEAR MO DAY
 88 08 01 TO 88 08 31
 (20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

MAJOR
 NOTE: Read instructions before completing this form.

ATTN: C E SHINGLETON, DIR PERMITTING

PARAMETER (32-37)	SAMPLE MEASUREMENT	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
FLOW RATE		NO DISCHARGE			*****					
00056 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT	REPORT	GPD	*****	*****	*****	****	ONCE/MONTH	MEASRD
PH	SAMPLE MEASUREMENT	*****	*****			*****				
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	6.5 DAILY MN	*****	9.0 DAILY MX	SU	ONCE/MONTH	GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	*****	*****		*****	*****				
00530 0 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	*****	*****	****	*****	*****	70 DAILY MX	MG/L	TWICE/MONTH	GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	*****	*****		*****	*****				
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	25 30 DA AV	35 MX 7D AV	MG/L	TWICE/MONTH	GRAB
OIL AND GREASE FREQN EXTR-GRAV METH	SAMPLE MEASUREMENT	*****	*****			*****				
00556 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	REPORT DAILY MN	*****	10 DAILY MX	MG/L	ONCE/MONTH	GRAB
IRON, TOTAL (AS FE)	SAMPLE MEASUREMENT	*****	*****		*****	*****				
01045 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT 30 DA AV	2.0 DAILY MX	MG/L	ONCE/MONTH	GRAB
SOLIDS, TOTAL DISSOLVED (MG/L)	SAMPLE MEASUREMENT	*****	*****		*****	*****				
70295 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT 30 DA AV	1000 DAILY MX	MG/L	ONCE/MONTH	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
J. Brett Harvey
 Vice President

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 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

[Signature]
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE DATE
 801 653-2318 9 28 88
 AREA CODE NUMBER YEAR MO DAY

TYPED OR PRINTED

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

THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM OTHER THAN IN TRACE AMOUNTS. NO DISCHARGE -SANITARY WASTE. IF DISCHARGE INTERMITTENT, REPORT DURATION OF DISCHRG BIOMONITORING TO BE CONDUCTED AT

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME UTAH POWER AND LIGHT CO (WILBE)
ADDRESS P O BOX 899
SALT LAKE CITY UT 84110

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)
 (2-16) (17-19)

UT0022896
 PERMIT NUMBER

002 A
 DISCHARGE NUMBER

F - FINAL
DISCHARGE SED POND COTTNWD CR

FACILITY
LOCATION
ATTN: C E SHINGLETON, DIR PERMITTING

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
88	08	01	88	08	31
(20-21)	(22-23)	(24-25)	(26-27)	(28-29)	(30-31)

MAJOR
NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
FLOW RATE					*****	*****	*****			
00056 1 0 0 EFFLUENT GROSS VALUE	PH	NO DISCHARGE	REPORT	REPORT	*****	*****	*****		ONCE/MONTH	MEASRD
	PERMIT REQUIREMENT	30 DA AV	DAILY MX	GPD	*****	*****	*****	****		
00400 1 0 0 EFFLUENT GROSS VALUE	PH	*****	*****	****	6.5	*****	9.0		ONCE/MONTH	GRAB
	PERMIT REQUIREMENT	*****	*****	****	DAILY MN	*****	DAILY MX	SU		
SOLIDS, TOTAL SUSPENDED		*****	*****	****	*****	*****	70		TWICE/MONTH	GRAB
00530 0 0 0 SEE COMMENTS BELOW		*****	*****	****	*****	*****	DAILY MX	MG/L		
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	70			
SOLIDS, TOTAL SUSPENDED		*****	*****	****	*****	25	35		TWICE/MONTH	GRAB
00530 1 0 0 EFFLUENT GROSS VALUE		*****	*****	****	*****	30 DA AV	MX 7D AV	MG/L		
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	0.5		WEEKLY	GRAB
SOLIDS, SETTLEABLE		*****	*****	****	*****	*****	DAILY MX	ML/L		
00545 0 0 0 SEE COMMENTS BELOW		*****	*****	****	*****	*****	10		ONCE/MONTH	GRAB
	PERMIT REQUIREMENT	*****	*****	****	REPORT	*****	DAILY MX	MG/L		
OIL AND GREASE FREON EXTR-GRAV METH		*****	*****	****	*****	*****	2.0		ONCE/MONTH	GRAB
00556 1 0 0 EFFLUENT GROSS VALUE		*****	*****	****	*****	REPORT	DAILY MX	MG/L		
	PERMIT REQUIREMENT	*****	*****	****	*****	30 DA AV	DAILY MX	MG/L		
IRON, TOTAL (AS FE)		*****	*****	****	*****	*****	*****			
01045 1 0 0 EFFLUENT GROSS VALUE		*****	*****	****	*****	*****	*****			

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
J. Brett Harvey
 Vice President

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 USC § 1001 AND 33 USC § 1319 (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

[Signature]
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: 801 653-2318
 DATE: 09 28 88

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
NO DISCHRG (Q) FLOATING SOLIDS OR VISIBLE FOAM OTHER THAN IN TRACE AMTS. NO Q SAN WASTE, Q INTERMITTENT, RPT DURATION, SEE PRMT FOR STORMWATER Q EFFL VARIANCE; EFFL SAMPLE COL DURING SW, Q SHALL BE ANALYZED FOR SETTLEABLE SOLIDS (SS); IF SAMPLE COL DURING NONSTORM Q RPT "NR" IN ALL OPEN SS BOXES.

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME UTAH POWER AND LIGHT CO (WILBE)
ADDRESS P O BOX 899
SALT LAKE CITY UT 84110

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)
 (2-16) (17-19)
UT0022896 (PERMIT NUMBER)
003 A (DISCHARGE NUMBER)

F - FINAL DISCHRG SED POND GRIMES WASH

FACILITY
LOCATION
ATTN: C E SHINGLETON, DIR PERMITTING

MONITORING PERIOD							
YEAR	MO	DAY	TO	YEAR	MO	DAY	
88	08	01		88	08	31	
(20-21)		(22-23)		(24-25)		(26-27) (28-29) (30-31)	

MAJOR
NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45) (46-53)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
FLOW RATE		NO DISCHARGE			*****					
00056 1 0 0	PERMIT REQUIREMENT	REPORT 30 DA AV	REPORT DAILY MX	GPD	*****				ONCE/MONTH	MEASRD
EFFLUENT GROSS VALUE		*****			*****					
PH		*****			*****					
00400 1 0 0	PERMIT REQUIREMENT	*****			6.5	*****			ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE		*****			DAILY MN	DAILY MX		SU		
SOLIDS, TOTAL SUSPENDED		*****			*****					
00530 0 0 0	PERMIT REQUIREMENT	*****			*****			70	TWICE/MONTH	GRAB
SEE COMMENTS BELOW		*****			*****			DAILY MX	MG/L	
SOLIDS, TGTAL SUSPENDED		*****			*****					
00530 1 0 0	PERMIT REQUIREMENT	*****			25		35		TWICE/MONTH	GRAB
EFFLUENT GROSS VALUE		*****			30 DA AV		MX 7D AV	MG/L		
SOLIDS, SETTLEABLE		*****			*****					
00545 0 0 0	PERMIT REQUIREMENT	*****			*****			0.5	WEEKLY	GRAB
SEE COMMENTS BELOW		*****			*****			DAILY MX	ML/L	
OIL AND GREASE		*****			*****					
FREON EXTR-GRAY METH		*****			*****					
00556 1 0 0	PERMIT REQUIREMENT	*****			REPORT DAILY MN		10		ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE		*****			*****			DAILY MX	MG/L	
IRON, TOTAL (AS FE)		*****			*****					
01045 1 0 0	PERMIT REQUIREMENT	*****			*****			2.0	ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE		*****			REPORT 30 DA AV		DAILY MX	MG/L		

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
J. Brett Harvey
Vice President
 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 USC § 1001 AND 33 USC § 1319 (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

[Signature]
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE 801 653-2318
DATE 09 28 88
 AREA CODE NUMBER YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
NO DISCHRG (Q) FLTG SOLIDS OR VISIBLE FOAM OTHER THAN IN TRACE AMOUNTS. NO Q SAN WASTE, Q INTERMITTENT, RPT DURATION Q. SEE PRMT FOR STORMWATER Q EFFL VARIANCE; EFFL SAMPLE COL DURING SW, Q SHALL BE ANALYZED FOR SETTLEABLE SOLIDS (SS) IF SAMPLE COL DURING NONSTORM Q RPT "NR" IN ALL OPEN BOXES

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
 NAME **UTAH POWER AND LIGHT CO (WILBE)**
 ADDRESS **P O BOX 899**
SALT LAKE CITY UT 84110

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)
 (2-16) (17-19)

UT0022896 **SUM A**
 PERMIT NUMBER DISCHARGE NUMBER

F - FINAL
COMBINATION 002 AND 003

FACILITY _____
 LOCATION _____
ATTN: C E SHINGLETON, DIR PERMITTING

MONITORING PERIOD
 FROM YEAR **88** MO **08** DAY **01** TO YEAR **88** MO **08** DAY **31**
 (20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

MAJOR
 NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT	(3 Card Only) QUANTITY OR LOADING (46-53)			(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	MINIMUM	AVERAGE	MAXIMUM	UNITS			
SOLIDS, TOTAL DISSOLVED (MG/L) 70295 1 0 0		NO DISCHARGE			*****	*****	*****				
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT 30 DA AV	2000 DAILY MX	LBS/DY	*****	*****	*****	****		ONCE/ GRAB MONTH	
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
J. Brett Harvey
Vice President
 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 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

[Signature]
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE **801 653-2318**
 DATE **09 28 88**
 AREA CODE NUMBER YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
TOTAL DISCHARGE OF TDS FROM OUTFALLS 002 AND 003 SHALL NOT EXCEED 2,000 LBS/DAY DURING DRAWDOWN.

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME UTAH POWER AND LIGHT CO (WILBE)
ADDRESS P O BOX 899
SALT LAKE CITY UT 84110

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

UT0022896
 PERMIT NUMBER

004 A
 DISCHARGE NUMBER

DISCHARGE MINE PORTAL
 - COTTONWOOD CREEK -

MONITORING PERIOD							
YEAR	MO	DAY	TO	YEAR	MO	DAY	
88	08	01		88	08	31	
(20-21)		(22-23)		(24-25)		(26-27)	
		(28-29)		(30-31)			

FACILITY LOCATION
ATTN: C E SHINGLETON, DIR PERMITTING

MAJOR
 NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (46-53)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
FLOW RATE		NO DISCHARGE			*****	*****	*****				
00056 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT 30 DA AV	REPORT DAILY MX	GPD	*****	*****	*****	****	ONCE/MONTH	MEASRD	
PH	SAMPLE MEASUREMENT	*****	*****			*****					
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	6.5 DAILY MN	*****	9.0 DAILY MX	SU	ONCE/MONTH	GRAB	
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	*****	*****		*****	*****					
00530 0 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	*****	*****	****	*****	*****	70 DAILY MX	MG/L	TWICE/MONTH	GRAB	
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	*****	*****		*****	*****					
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	25 30 DA AV	35 MX 7D AV	MG/L	TWICE/MONTH	GRAB	
OIL AND GREASE FREDN EXTR-GRAV METH	SAMPLE MEASUREMENT	*****	*****		*****	*****					
00556 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	REPORT DAILY MN	*****	10 DAILY MX	MG/L	ONCE/MONTH	GRAB	
IRON, TOTAL (AS FE)	SAMPLE MEASUREMENT	*****	*****		*****	*****					
01045 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT 30 DA AV	2.0 DAILY MX	MG/L	ONCE/MONTH	GRAB	
SOLIDS, TOTAL DISSOLVED (MG/L)	SAMPLE MEASUREMENT	*****	*****		*****	*****					
70295 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT 30 DA AV	1000 DAILY MX	MG/L	ONCE/MONTH	GRAB	

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
J. Brett Harvey
 Vice President

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 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years.)

[Signature]
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE
801 653-2318

DATE
09 28 88

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM OTHER THAN TRACE AMOUNTS. NO DISCHARGE SANITARY WASTE. IF DISCHARGE INTERMITTENT, REPORT DURATION OF DISCHARGE, BIOMONITORING TO BE CONDUCTED AT EIT

**Utah
power**

& LIGHT COMPANY
MINING DIVISION

Field Office

P. O. Box 1005

Huntington, UT 84528

(801) 653-2312

(801) 653-2318

RECEIVED
AUG 26 1988

DIVISION OF
OIL, GAS & MINING

August 15, 1988

United States Environmental Protection Agency
Region VIII
Denver Place
999 18th Street, Suite 500
Denver, CO 80202-2405

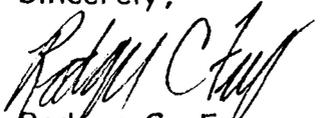
Attention: Water Management Division
Compliance Branch (8WM-C)

Gentlemen:

Enclosed are the monthly Discharge Monitoring reports for the Wilberg Mine (001-004) for the month of July 1988.

As noted on the reports, no water was discharged from any of the locations during the reporting period.

Sincerely,


Rodger C. Fry
Manager of Geology

RCF/CAS/sh/1137

Enclosures

cc: M. Moon

D. Smaldone

V. Payne

C. Semborski

Utah Department of Health

Bureau of Water Pollution Control

P. O. Box 16690

Salt Lake City, UT 84116-0690

Utah State Division of Oil, Gas and Mining

Attention: Lowell Braxton

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
 NAME UTAH POWER AND LIGHT CO (WILBE
 ADDRESS P O BOX 999
SALT LAKE CITY UT 84110

NATIONAL POLLUTANT DISCHARGE ESTIMATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)
 (2-16) (17-19)
 UT0022896
 PERMIT NUMBER
 001 A
 DISCHARGE NUMBER

DISCHARGE MINE PORTAL
 - GRIMES WASH -

FACILITY _____
 LOCATION _____
 ATTN: C E SHINGLETON, DIR PERMITTING

MONITORING PERIOD
 FROM YEAR 88 MO 07 DAY 01 TO YEAR 88 MO 07 DAY 31
 (20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

MAJOR _____
 NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45)			QUALITY OR CONCENTRATION (54-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS					
FLOW RATE		NO DISCHARGE			*****			*****					
00056 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT 30 DA AV	REPORT DAILY MX	GPD	*****			*****			****	ONCE/ MONTH	MEASRD
PH	SAMPLE MEASUREMENT	*****			*****			*****					
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	6.5 DAILY MN	*****	9.0 DAILY MX	SU			ONCE/ MONTH	GRAB	
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	*****			*****			*****					
00530 0 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	*****	*****	****	*****	*****	70 DAILY MX	MG/L			TWICE/ MONTH	GRAB	
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	*****			*****			*****					
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	25 30 DA AV	35 7D AV	MG/L			TWICE/ MONTH	GRAB	
OIL AND GREASE FREQN EXTR=GRAV METH	SAMPLE MEASUREMENT	*****			*****			*****					
00556 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	REPORT DAILY MN	*****	10 DAILY MX	MG/L			ONCE/ MONTH	GRAB	
IRON, TOTAL (AS FE)	SAMPLE MEASUREMENT	*****			*****			*****					
01045 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT 30 DA AV	2.0 DAILY MX	MG/L			ONCE/ MONTH	GRAB	
SOLIDS, TOTAL DISSOLVED (MG/L)	SAMPLE MEASUREMENT	*****			*****			*****					
70295 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT 30 DA AV	1000 DAILY MX	MG/L			ONCE/ MONTH	GRAB	

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
 J. Brett Harvey
 Vice President
 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 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

[Signature]
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE 801 653-2312
 DATE 8 15 88
 AREA CODE NUMBER YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
 THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM OTHER THAN IN TRACE AMOUNTS. NO DISCHARGE SANITARY WASTE. IF DISCHARGE INTERMITTENT, REPORT DURATION OF DISCHRG BIOMONITORING TO BE CONDUCTED AT EITHER 001 OR 004.

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)
(2-16) (17-19)

F - FINAL
DISCHARGE SED POND COTTNWD CR

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME UTAH POWER AND LIGHT CO (WILBE)
ADDRESS P O BOX 899
SALT LAKE CITY UT 84110

UT0022896 PERMIT NUMBER
002 A DISCHARGE NUMBER

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
88	07	01		88	07	31

FACILITY LOCATION
ATTN: C E SHINGLETON, DIR PERMITTING

MAJOR NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT	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	MINIMUM	AVERAGE	MAXIMUM	UNITS			
FLOW RATE		NO DISCHARGE			*****	*****	*****				
00056 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT 30 DA AV	REPORT DAILY MX	GPD	*****	*****	*****	****		ONCE/MONTH	MEASRD
PH		*****	*****			*****					
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	6.5 DAILY MN	*****	9.0 DAILY MX	SU		ONCE/MONTH	GRAB
SOLIDS, TOTAL SUSPENDED		*****	*****		*****	*****					
00530 0 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	*****	*****	****	*****	*****	70 DAILY MX	MG/L		TWICE/MONTH	GRAB
SOLIDS, TOTAL SUSPENDED		*****	*****		*****	*****					
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	25 30 DA AV	35 MX 7D AV	MG/L		TWICE/MONTH	GRAB
SOLIDS, SETTLEABLE		*****	*****		*****	*****					
00545 0 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	*****	*****	****	*****	*****	0.5 DAILY MX	ML/L		WEEKLY	GRAB
OIL AND GREASE FREON EXTR-GRAV METH		*****	*****		*****	*****					
00556 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	REPORT DAILY MN	*****	10 DAILY MX	MG/L		ONCE/MONTH	GRAB
IRON, TOTAL (AS FE)		*****	*****		*****	*****					
01045 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT 30 DA AV	2.0 DAILY MX	MG/L		ONCE/MONTH	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
J. Brett Harvey
Vice President
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 USC § 1001 AND 33 USC § 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: 801 653-2312
DATE: 8 15 88
AREA CODE: NUMBER YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
NO DISCHRG (Q) FLOATING SOLIDS OR VISIBLE FOAM OTHER THAN IN TRACE AMTS. NO Q SAN WASTE, Q INTERMITTENT, RPT DURATION, SEE PRMT FOR STORMWATER Q EFFL VARIANCE; EFFL SAMPLE COL DURING SW, Q SHALL BE ANALYZED FOR SETTLEABLE SOLIDS (SS) IF SAMPLE COL DURING NONSTORM Q RPT "NR" IN ALL OPEN SS BOXES.
EPA Form 3320-1 (Rev. 10-79) (REPLACES EPA FORM T-40 WHICH MAY NOT BE USED.)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
 NAME **UTAH POWER AND LIGHT CO (WILBE)**
 ADDRESS **P O BOX 899**
SALT LAKE CITY UT 84110

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)
 (2-16) (17-19)

UT0022896 **003 A**
 PERMIT NUMBER DISCHARGE NUMBER

F - FINAL
DISCHRG SED POND GRIMES WASH

FACILITY
 LOCATION
ATTN: C E SHINGLETON, DIR PERMITTING

MONITORING PERIOD							
FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	88	07	01		88	07	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

MAJOR
 NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT	(3 Card Only) QUANTITY OR LOADING (46-53)			(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	MINIMUM	AVERAGE	MAXIMUM	UNITS			
FLOW RATE		NO DISCHARGE			*****						
00056 1 0 0	PERMIT REQUIREMENT	REPORT 30 DA AV	REPORT DAILY MX	GPD	*****				****	ONCE/ MONTH	MEASRD
PH		*****			*****						
00400 1 0 0	PERMIT REQUIREMENT	*****	*****	****	6.5	*****	9.0	SU		ONCE/ MONTH	GRAB
EFFLUENT GROSS VALUE		*****			*****						
SOLIDS, TCTAL SUSPENDED		*****			*****						
00530 0 0 0	PERMIT REQUIREMENT	*****	*****	****	*****		70	MG/L		TWICE/ MONTH	GRAB
SEE COMMENTS BELOW		*****			*****						
SOLIDS, TOTAL SUSPENDED		*****			*****						
00530 1 0 0	PERMIT REQUIREMENT	*****	*****	****	25		35	MG/L		TWICE/ MONTH	GRAB
EFFLUENT GROSS VALUE		*****			*****						
SOLIDS, SETTLEABLE		*****			*****						
00545 0 0 0	PERMIT REQUIREMENT	*****	*****	****	*****		0.5	ML/L		WEEKLY	GRAB
SEE COMMENTS BELOW		*****			*****						
OIL AND GREASE FRECN EXTR-GRAY METH		*****			*****						
00556 1 0 0	PERMIT REQUIREMENT	*****	*****	****	REPORT DAILY MN		10	MG/L		ONCE/ MONTH	GRAB
EFFLUENT GROSS VALUE		*****			*****						
IRON, TOTAL (AS FE)		*****			*****						
01045 1 0 0	PERMIT REQUIREMENT	*****	*****	****	REPORT 30 DA AV		2.0	MG/L		ONCE/ MONTH	GRAB
EFFLUENT GROSS VALUE		*****			*****						

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
J. Brett Harvey
Vice President
 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 USC § 1001 AND 33 USC § 1319. Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.

[Signature]
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE **801 653-2318**
 DATE **8 15 88**
 AREA CODE NUMBER YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
NO DSCRG (Q) FLTG SOLIDS OR VISIBLE FOAM OTHER THAN IN TRACE AMOUNTS. NO Q SAN WASTE, Q INTERMITTENT, RPT DURATION Q. SEE PRMT FOR STORMWATER Q EFFL VARIANCE; EFFL SAMPLE COL DURING SW, Q SHALL BE ANALYZED FOR SETTLEABLE SOLIDS (SS) IF SAMPLE COL DURING NONSTORM Q RPT "NR" IN ALL OPEN BOXES
 EPA Form 3320-1 (Rev. 10-79) PREVIOUS EDITION IS TO BE USED UNTIL SUPPLY IS EXHAUSTED. (REPLACES EPA FORM T-40 WHICH MAY NOT BE USED.)
00178/121487-1321 PAGE 1 OF

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
 NAME UTAH POWER AND LIGHT CO (WILBE)
 ADDRESS P O BOX 899
SALT LAKE CITY UT 84110

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)
 (2-16) (17-19)
 UTO022896
 PERMIT NUMBER
 SUM A
 DISCHARGE NUMBER

F - FINAL
 COMBINATION 002 AND 003

FACILITY _____
 LOCATION _____
 ATTN: C E SHINGLETON, DIR PERMITTING

MONITORING PERIOD
 FROM YEAR 88 MO 07 DAY 01 TO YEAR 88 MO 07 DAY 31
 (20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

MAJOR NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
SOLIDS, TOTAL DISSOLVED (MG/L) 70295 1 0 0 EFFLUENT GROSS VALUE	NO DISCHARGE				*****	*****	*****				
	PERMIT REQUIREMENT	REPORT 30 DA AV	2000 DAILY MX	LBS/DY	*****	*****	*****	****	ONCE/ MONTH	GRAB	
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
J. Brett Harvey
Vice President
 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 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

[Signature]
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: 801 653-2318
 DATE: 8 15 88
 AREA CODE NUMBER YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
TOTAL DISCHARGE OF TDS FROM OUTFALLS 002 AND 003 SHALL NOT EXCEED 2,000 LBS/DAY DURING DRAWDOWN.

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME UTAH POWER AND LIGHT CO (WILBE)
ADDRESS P O BOX 899
 SALT LAKE CITY UT 84110

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)

(2-16) **UT0022896** (17-19) **004 A**
 PERMIT NUMBER DISCHARGE NUMBER

DISCHARGE MINE PORTAL
 - COTTONWOOD CREEK -

FACILITY
LOCATION
ATTN: C E SHINGLETON, DIR PERMITTING

MONITORING PERIOD
 FROM YEAR **88** MO **07** DAY **01** TO YEAR **88** MO **07** DAY **31**
 (20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

MAJOR
 NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
FLOW RATE		NO DISCHARGE			*****						
00056 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT	REPORT		*****	*****	*****	****		ONCE/	WEASRD
PH	SAMPLE MEASUREMENT	*****	*****		*****						
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	6.5 DAILY MN	*****	9.0 DAILY MX	SU		ONCE/	GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	*****	*****		*****						
00530 0 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	*****	*****	****	*****	*****	70 DAILY MX	MG/L		TWICE/	GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	*****	*****		*****						
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	25 30 DA AV	35 MX 7D AV	MG/L		TWICE/	GRAB
OIL AND GREASE FREON EXTR=GRAV METH	SAMPLE MEASUREMENT	*****	*****		*****						
00556 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	REPORT DAILY MN	*****	10 DAILY MX	MG/L		ONCE/	GRAB
IRON, TOTAL (AS FE)	SAMPLE MEASUREMENT	*****	*****		*****						
01045 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT 30 DA AV	2.0 DAILY MX	MG/L		ONCE/	GRAB
SOLIDS, TOTAL DISSOLVED (MG/L)	SAMPLE MEASUREMENT	*****	*****		*****						
70295 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT 30 DA AV	1000 DAILY MX	MG/L		ONCE/	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
J. Brett Harvey
 Vice President

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 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

[Signature]
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE DATE
 801 653-2318 8 15 88
 AREA CODE NUMBER YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM OTHER THAN TRACE AMOUNTS. NO DISCHARGE SANITARY WASTE. IF DISCHARGE INTERMITTENT, REPORT DURATION OF DISCHARGE. BIOMONITORING TO BE CONDUCTED AT EITHER 001 OR 004.

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME UTAH POWER AND LIGHT CO (WILBE)
ADDRESS P O BOX 899
SALT LAKE CITY UT 84110

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)
 (2-16) (17-19)
UT0022896 **004 A**
 PERMIT NUMBER DISCHARGE NUMBER

DISCHARGE MINE PORTAL
 - COTTONWOOD CREEK -

FACILITY
LOCATION
ATTN: C E SHINGLETON, DIR PERMITTING

MONITORING PERIOD
 FROM

YEAR	MO	DAY
88	06	01

 TO

YEAR	MO	DAY
88	06	30

 (20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

MAJOR
NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT	(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	MINIMUM	AVERAGE	MAXIMUM			
FLOW RATE					*****	*****	*****			
00056 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	NO DISCHARGE	REPORT	REPORT	*****	*****	*****	****	ONCE/MONTH	MEASRD
PH	SAMPLE MEASUREMENT	*****	*****			*****				
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	6.5	*****	9.0	SU	ONCE/MONTH	GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	*****	*****		*****	*****				
00530 0 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	*****	*****	****	*****	*****	70	DAILY MX	TWICE/MONTH	GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	*****	*****		*****	*****				
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	25	35	30 DA AV MX 7D AV	TWICE/MONTH	GRAB
OIL AND GREASE	SAMPLE MEASUREMENT	*****	*****		*****	*****				
FREON EXTR-GRAV METH	PERMIT REQUIREMENT	*****	*****	****	REPORT	*****	10	DAILY MX	ONCE/MONTH	GRAB
00556 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	*****				
IRON, TOTAL (AS FE)	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT	2.0	30 DA AV DAILY MX	ONCE/MONTH	GRAB
01045 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	*****				
SOLIDS, TOTAL DISSOLVED (MG/L)	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT	1000	30 DA AV DAILY MX	ONCE/MONTH	GRAB
70295 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	*****				

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
 J. Brett Harvey
 Vice President
 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 USC § 1001 AND 33 USC § 1319. Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.

[Signature]
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT
TELEPHONE 801 653-2312
DATE 88 07 12
AREA CODE NUMBER YEAR MO DAY

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

THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM OTHER THAN TRACE AMOUNTS. NO DISCHARGE SANITARY WASTE. IF DISCHARGE INTERMITTENT, REPORT DURATION OF DISCHARGE. BIOMONITORING TO BE CONDUCTED AT EITR 001 OR 004.

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
 NAME UTAH POWER AND LIGHT CO (WILBE)
 ADDRESS P O BOX 899
SALT LAKE CITY UT 84110

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)

(2-16) UT0022896 (17-19) SUM A
 PERMIT NUMBER DISCHARGE NUMBER

F - FINAL
 COMBINATION 002 AND 003

FACILITY _____
 LOCATION _____
 ATTN: C E SHINGLETON, DIR PERMITTING

MONITORING PERIOD
 FROM YEAR 88 MO 06 DAY 01 TO YEAR 88 MO 06 DAY 30
 (20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

MAJOR
 NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
SOLIDS, TOTAL DISSOLVED (MG/L) 70295 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	NO DISCHARGE			*****	*****	*****			
	PERMIT REQUIREMENT	REPORT 30 DA AV	2000 DAILY MX	LBS/DY	*****	*****	*****	****	ONCE/ MONTH	GRAB
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
J. Brett Harvey
Vice President
 TYPED OR PRINTED

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 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE 801 653-2312
 DATE 88 07 12
 AREA CODE NUMBER YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
TOTAL DISCHARGE OF TDS FROM OUTFALLS 002 AND 003 SHALL NOT EXCEED 2,000 LBS/DAY DURING DRAWDOWN.

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
 NAME **UTAH POWER AND LIGHT CO (WILBE)**
 ADDRESS **P O BOX 899**
SALT LAKE CITY UT 84110

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)

(2-16) **UT0022896** (17-19) **003 A**
 PERMIT NUMBER DISCHARGE NUMBER

F - FINAL
DISCHRG SED POND GRIMES WASH

FACILITY
 LOCATION
ATTN: C E SHINGLETON, DIR PERMITTING

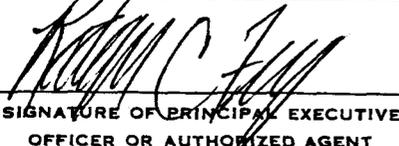
MONITORING PERIOD
 FROM YEAR **88** MO **06** DAY **01** TO YEAR **88** MO **06** DAY **30**
 (20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

MAJOR
 NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT	(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	MINIMUM	AVERAGE	MAXIMUM			
FLOW RATE					*****	*****	*****			
00056 1 0 0					*****	*****	*****			
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	NO DISCHARGE REPORT	REPORT	UNITS					DNCE/ MEASRD	MONTH
PH		*****	*****			*****				
00400 1 0 0		*****	*****	****	6.5	*****	9.0		DNCE/ GRAB	MONTH
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT			****	DAILY MN		DAILY MX	SU		
SOLIDS, TOTAL SUSPENDED		*****	*****		*****	*****				
00530 0 0 0		*****	*****	****	*****	*****	70		TWICE/GRAB	MONTH
SEE COMMENTS BELOW	PERMIT REQUIREMENT			****			DAILY MX	MG/L		
SOLIDS, TOTAL SUSPENDED		*****	*****		*****	*****				
00530 1 0 0		*****	*****	****	*****	25	35		TWICE/GRAB	MONTH
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT			****		30 DA AV	MX 7D AV	MG/L		
SOLIDS, SETTLEABLE		*****	*****		*****	*****				
00545 0 0 0		*****	*****	****	*****	*****	0.5		WEEKLYGRAB	
SEE COMMENTS BELOW	PERMIT REQUIREMENT			****			DAILY MX	ML/L		
OIL AND GREASE		*****	*****		*****	*****				
FREON EXTR-GRAV METH		*****	*****	****	REPORT	*****	10		ONCE/ GRAB	MONTH
00556 1 0 0		*****	*****	****	DAILY MN		DAILY MX	MG/L		
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT			****						
IRON, TOTAL (AS FE)		*****	*****		*****	*****				
01045 1 0 0		*****	*****	****	*****	REPORT	2.0		ONCE/ GRAB	MONTH
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT			****		30 DA AV	DAILY MX	MG/L		

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
J. Brett Harvey
 Vice President

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SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT


TELEPHONE
801 653-2312
 DATE
88 07 12

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
NO DSCRG (Q) FLTG SOLIDS OR VISIBLE FOAM OTHER THAN IN TRACE AMOUNTS. NO Q SAN WASTE, Q INTERMITTENT, RPT DURATION Q. SEE PRMT FOR STORMWATER Q EFFL VARIANCE; EFFL SAMPLE COL DURING SW, Q SHALL BE ANALYZED FOR SETTEABLE SOLIDS (SS) IF SAMPLE CCL DURING NONSTORM Q RPT "NR" IN ALL OPEN BOXES

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME UTAH POWER AND LIGHT CO (WILBE)
ADDRESS P O BOX 899
 SALT LAKE CITY UT 84110

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)

UT0022896 PERMIT NUMBER
 002 A DISCHARGE NUMBER

F - FINAL
 DISCHARGE SED POND COTTNWD CR

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
88	06	01	88	06	30
(20-21)		(22-23)	(24-25)	(26-27) (28-29) (30-31)	

FACILITY
 LOCATION
 ATTN: C E SHINGLETON, DIR PERMITTING

MAJOR
 NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45)			UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				
FLOW RATE		NO DISCHARGE			*****	*****	*****				
00056 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT 30 DA AV	REPORT DAILY MX	GPD	*****	*****	*****	****		ONCE/MO	MEASRD
PH	SAMPLE MEASUREMENT	*****	*****			*****					
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	6.5 DAILY MN	*****	9.0 DAILY MX	SU		ONCE/MO	GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	*****	*****		*****	*****					
00530 0 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	*****	*****	****	*****	*****	70 DAILY MX	MG/L		TWICE/MO	GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	*****	*****		*****	*****					
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	25 30 DA AV	35 MX 7D AV	MG/L		TWICE/MO	GRAB
SOLIDS, SETTLEABLE	SAMPLE MEASUREMENT	*****	*****		*****	*****					
00545 0 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	*****	*****	****	*****	*****	0.5 DAILY MX	ML/L		WEEKLY	GRAB
OIL AND GREASE FREON EXTR-GRAY METH	SAMPLE MEASUREMENT	*****	*****		*****	*****					
00556 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	REPORT DAILY MN	*****	10 DAILY MX	MG/L		ONCE/MO	GRAB
IRON, TOTAL (AS FE)	SAMPLE MEASUREMENT	*****	*****		*****	*****					
01045 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT 30 DA AV	2.0 DAILY MX	MG/L		ONCE/MO	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
 J. Brett Harvey
 Vice President
 TYPED OR PRINTED

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SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE
 801 653-2312
 AREA CODE NUMBER
 DATE
 88 07 12
 YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
 NO DISCHRG (Q) FLOATING SOLIDS OR VISIBLE FOAM OTHER THAN IN TRACE AMTS. NO Q SAN WASTE, Q INTERMITTENT, RPT DURATION, SEE PRMT FOR STORMWATER Q EFFL VARIANCE, EFFL SAMPLE COL DURING SW, Q SHALL BE ANALYZED FOR SETTLEABLE SOLIDS(SS); IF SAMPL COL DURING NONSTORM Q RPT "NR" IN ALL OPEN SS BOXES.

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME UTAH POWER AND LIGHT CO (WILBE)
ADDRESS P O BOX 899
SALT LAKE CITY UT 84110

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

UT0022896 **001 A**
 PERMIT NUMBER DISCHARGE NUMBER

DISCHARGE MINE PORTAL

- GRIMES WASH -

FACILITY _____
LOCATION _____

MONITORING PERIOD

FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	88	06	01		88	06	30
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

MAJDR
 NOTE: Read instructions before completing this form.

ATTN: C E SHINGLETON, DIR PERMITTING

PARAMETER (32-37)	SAMPLE MEASUREMENT	(3 Card Only) (46-53) QUANTITY OR LOADING (54-61)			(4 Card Only) (38-45) QUALITY OR CONCENTRATION (54-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
FLOW RATE		NO DISCHARGE			*****					
00056 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT	REPORT	GPD	*****	*****	*****	****	ONCE/MONTH	MEASRD
PH	SAMPLE MEASUREMENT	*****	*****			*****				
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	6.5 DAILY MN	*****	9.0 DAILY MX	SU	ONCE/MONTH	GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	*****	*****		*****	*****				
00530 0 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	*****	*****	****	*****	*****	70 DAILY MX	MG/L	TWICE/MONTH	GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	*****	*****		*****	*****				
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	25 30 DA AV	35 MX 7D AV	MG/L	TWICE/MONTH	GRAB
OIL AND GREASE FREON EXTR-GRAY METH	SAMPLE MEASUREMENT	*****	*****		*****	*****				
00556 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	REPORT DAILY MN	*****	10 DAILY MX	MG/L	ONCE/MONTH	GRAB
IRON, TOTAL (AS FE)	SAMPLE MEASUREMENT	*****	*****		*****	*****				
01045 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT 30 DA AV	2.0 DAILY MX	MG/L	ONCE/MONTH	GRAB
SOLIDS, TOTAL DISSOLVED (MG/L)	SAMPLE MEASUREMENT	*****	*****		*****	*****				
70295 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT 30 DA AV	1000 DAILY MX	MG/L	ONCE/MONTH	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
 J. Brett Harvey
 Vice President

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[Signature]
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: 801 653-2312
 DATE: 88 07 12

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

THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM OTHER THAN IN TRACE AMOUNTS. NO DISCHARGE SANITARY WASTE. IF DISCHARGE INTERMITTENT, REPORT DURATION OF DISCHRG BIOMONITORING TO BE CONDUCTED AT

**Utah
power**
& LIGHT COMPANY

MINING DIVISION

Field Office

P. O. Box 1005

Huntington, UT 84528

(801) 653-2312

(801) 653-2318

RECEIVED
JUN 16 1988

DIVISION OF
OIL, GAS & MINING

June 13, 1988

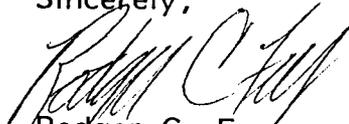
United States Environmental Protection Agency
Region VIII
Denver Place
999 18th Street, Suite 500
Denver, CO 80202-2405

Attention: Water Management Division
Compliance Branch (8WM-C)

Gentlemen:

Enclosed are the Discharge Monitoring Reports for the Wilberg Mine for May 1988. As noted on the reports, no water was discharged from Wilberg Mine locations 001, 002, and 004. Intermittent discharges did occur at Wilberg Mine Sediment Pond (site 003) from approximately May 15-31. One sample was collected on May 16 with measured flow rate of 2.85 gallons per minute.

Sincerely,


Rodger C. Fry
Manager of Geology

RCF/CAS/sh/1107

Enclosures

cc: M. Moon

V. Payne

C. Semborski

Utah Department of Health

Bureau of Water Pollution Control

P. O. Box 16690

Salt Lake City, UT 84116-0690

Utah State Division of Oil, Gas and Mining

Attention: Lowell Braxton

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME UTAH POWER AND LIGHT CO (WILBE)
ADDRESS P O BOX 899
 SALT LAKE CITY UT 84110

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)

UT0022896 PERMIT NUMBER
 001 A DISCHARGE NUMBER

DISCHARGE MINE PORTAL
 - GRIMES WASH -

FACILITY
 LOCATION

MONITORING PERIOD
 FROM YEAR 88 MO 05 DAY 01 TO YEAR 88 MO 05 DAY 31
 (20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

MAJOR NOTE: Read instructions before completing this form.

ATTN: C E SHINGLETON, DIP PERMITTING

PARAMETER (32-37)	SAMPLE MEASUREMENT	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (54-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
FLOW RATE		NO DISCHARGE			*****					
00056 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT 30 DA AV	REPORT DAILY MX	GPD	*****	*****	*****	****	ONCE/MONTH	MEASRD
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	6.5 DAILY MN	*****	9.0 DAILY MX	SU	ONCE/MONTH	GRAB
SOLIDS, TOTAL SUSPENDED 00530 0 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	*****	*****	****	*****	*****	70 DAILY MX	MG/L	TWICE/MONTH	GRAB
SOLIDS, TOTAL SUSPENDED 00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	25 30 DA AV	35 MX 7D AV	MG/L	TWICE/MONTH	GRAB
OIL AND GREASE FREON EXTR-GRAV METH 00556 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	REPORT DAILY MN	*****	10 DAILY MX	MG/L	ONCE/MONTH	GRAB
IRON, TOTAL (AS FE) 01045 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT 30 DA AV	2.0 DAILY MX	MG/L	ONCE/MONTH	GRAB
SOLIDS, TOTAL DISSOLVED (MG/L) 70295 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT 30 DA AV	1000 DAILY MX	MG/L	ONCE/MONTH	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
 J. Brett Harvey
 Vice President

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 USC § 1001 AND 33 USC § 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 801 653-2312
 DATE 88 06 10

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
 THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM OTHER THAN IN TRACE AMOUNTS. NO DISCHARGE SANITARY WASTE. IF DISCHARGE INTERMITTENT, REPORT DURATION OF DISCHRG BIOMONITORING TO BE CONDUCTED AT EITHER 001 OR 004.

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NAME UTAH POWER AND LIGHT CO (WILBE)
 ADDRESS P O BOX 899
SALT LAKE CITY UT 84110

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

(2-16)

(17-19)

UT0022896

002 A

PERMIT NUMBER

DISCHARGE NUMBER

F - FINAL
 DISCHARGE SED POND COTTNWD CR

FACILITY

LOCATION

ATTN: C E SHINGLETON, DIR PERMITTING

MONITORING PERIOD

FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	88	05	01		88	05	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

MAJOR

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45)			UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				
FLOW RATE		NO DISCHARGE			*****						
00056 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT 30 DA AV	REPORT DAILY MX	GPD	*****			****		ONCE/MONTH	MEASRD
PH	SAMPLE MEASUREMENT	*****			*****						
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	6.5 DAILY MN	*****	9.0 DAILY MX	SU		ONCE/MONTH	GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	*****			*****						
00530 0 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	*****	*****	****	*****			70 DAILY MX	MG/L	TWICE/MONTH	GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	*****			*****						
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	25 30 DA AV	35 7D AV	MG/L		TWICE/MONTH	GRAB
SOLIDS, SETTLEABLE	SAMPLE MEASUREMENT	*****			*****						
00545 0 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	*****	*****	****	*****			0.5 DAILY MX	ML/L	WEEKLY	GRAB
OIL AND GREASE FROM EXTR-GRAY METH	SAMPLE MEASUREMENT	*****			*****						
00556 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	REPORT DAILY MN	*****	10 DAILY MX	MG/L		ONCE/MONTH	GRAB
IRON, TOTAL (AS FE)	SAMPLE MEASUREMENT	*****			*****						
01045 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT 30 DA AV	2.0 DAILY MX	MG/L		ONCE/MONTH	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
 J. Brett Harvey
 Vice President
 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 USC § 1001 AND 33 USC § 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
 801 653-2312
 DATE
 88 06 10
 AREA CODE NUMBER YEAR MO DAY

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

NO DISCHRG (Q) FLOATING SOLIDS OR VISIBLE FOAM OTHER THAN IN TRACE AMTS. NO Q SAN WASTE, Q INTERMITTENT, RPT DURATION, SEE PRMT FOR STORMWATER Q EFFL VARIANCE; EFFL SAMPLE COL DURING SW, Q SHALL BE ANALYZED FOR SETTLEABLE SOLIDS (SS) AT SAME COL DURING NONSTORM Q RPT "NR" IN ALL OPEN SS BOXES.

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME UTAH POWER AND LIGHT CO (WILBE)
ADDRESS P O BOX 899
SALT LAKE CITY **UT 84110**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)
 (2-16) (17-19)
UT0022896 **003 A**
 PERMIT NUMBER DISCHARGE NUMBER

F - FINAL
DISCHRG SED POND GRIMES WASH

FACILITY
LOCATION
ATTN: C E SHINGLETON, DIR PERMITTING

MONITORING PERIOD
 FROM YEAR **88** MO **05** DAY **01** TO YEAR **88** MO **05** DAY **31**
 (20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

MAJOR
NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	(3 Card Only) QUANTITY OR LOADING (46-53)			(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	MINIMUM	AVERAGE	MAXIMUM			
FLOW RATE		3 GPM			*****	*****	*****			
00056 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	REPORT	REPORT		*****	*****	*****	****	ONCE/	MEASRD
	PERMIT REQUIREMENT	30 DA AV	DAILY MX	GPD				****	MONTH	
PH	SAMPLE MEASUREMENT	*****	*****		8.10	*****	8.10		One	
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	6.5	*****	9.0		Sample	
	SAMPLE MEASUREMENT	*****	*****		DAILY MN	*****	DAILY MX	SU	ONCE/	GRAB
	PERMIT REQUIREMENT	*****	*****	****					MONTH	
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	*****	*****		*****	*****	7.0		One	
00530 0 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	*****	*****	****	*****	*****	70		Sample	
	SAMPLE MEASUREMENT	*****	*****		*****	*****	DAILY MX	MG/L	TWICE/	GRAB
	PERMIT REQUIREMENT	*****	*****	****	*****	*****			MONTH	
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	*****	*****		*****	*****	7.0		One	
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	*****	25		TWICE/	GRAB
	SAMPLE MEASUREMENT	*****	*****		*****	*****	30 DA AV	MX 7D AV	MONTH	
	PERMIT REQUIREMENT	*****	*****	****	*****	*****			One	
SOLIDS, SETTLEABLE	SAMPLE MEASUREMENT	*****	*****		*****	*****	0.5		Sample	
00545 0 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	*****	*****	****	*****	*****	DAILY MX	ML/L	WEEKLY	GRAB
	SAMPLE MEASUREMENT	*****	*****		*****	*****			One	
OIL AND GREASE FROM EXTR-GRAB METH	PERMIT REQUIREMENT	*****	*****	****	*****	*****	>1.0		Sample	
00556 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		>1.0	*****	>1.0		One	
	PERMIT REQUIREMENT	*****	*****	****	REPORT	*****	10		ONCE/	GRAB
	SAMPLE MEASUREMENT	*****	*****		DAILY MN	*****	DAILY MX	MG/L	MONTH	
IRON, TOTAL (AS FE)	SAMPLE MEASUREMENT	*****	*****		*****	*****	0.07		One	
01045 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	*****	0.07		Sample	
	SAMPLE MEASUREMENT	*****	*****		*****	*****	REPORT	2.0	ONCE/	GRAB
	PERMIT REQUIREMENT	*****	*****	****	30 DA AV	*****	DAILY MX	MG/L	MONTH	

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
J. Brett Harvey
 Vice President
 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 USC § 1001 AND 33 USC § 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
801 653-2312
 DATE
88 06 10

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
NO DSCRG (Q) FLTG SOLIDS OR VISIBLE FOAM OTHER THAN IN TRACE AMOUNTS. NO Q SAN WASTE, Q INTERMITTENT, RPT DURATION Q. SEE PRMT FOR STORMWATER Q EFFL VARIANCE; EFFL SAMPLE COL DURING SW, Q SHALL BE ANALYZED FOR SETTLEABLE SOLIDS (SS) IF SAMPLE COL DURING NONSTORM Q RPT "NR" IN ALL OPEN BOXES

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME UTAH POWER AND LIGHT CO (WILBE)
ADDRESS P O BOX 899
 SALT LAKE CITY UT 84110

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)
 (2-16) (17-19)

UT0022896
 PERMIT NUMBER

SUM A
 DISCHARGE NUMBER

F - FINAL
 COMBINATION 002 AND 003

FACILITY
 LOCATION

MONITORING PERIOD							
YEAR	MO	DAY	TO	YEAR	MO	DAY	
88	05	01		88	05	31	
(20-21)		(22-23)		(24-25)		(26-27)	
				(28-29)		(30-31)	

ATTN: C E SHINGLETON, DIR PERMITTING

MAJOR
 NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
SOLIDS, TOTAL DISSOLVED (MG/L) 70295 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	2195	2195		*****	*****	*****			
	PERMIT REQUIREMENT	REPORT 30 DA AV	2000 DAILY MX	LBS/DY	*****	*****	*****	****	ONCE/MONTH	GRAB
Site 003 Wilberg Sediment Pond	SAMPLE MEASUREMENT	79.1	79.1		TOTAL	TONS/MONTH	0.59			
	PERMIT REQUIREMENT									
Site 002 Cottonwood Canyon Creek Sediment Pond	SAMPLE MEASUREMENT	NO DISCHARGE								
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
J. Brett Harvey
 Vice President

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[Signature]
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE
901 653-2312

DATE
88 06 10

AREA CODE NUMBER YEAR MO DAY

TYPED OR PRINTED

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

TOTAL DISCHARGE OF TDS FROM OUTFALLS 002 AND 003 SHALL NOT EXCEED 2,000 LBS/DAY DURING DRAWDOWN.

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NAME **UTAH POWER AND LIGHT CO (WILBE)**
 ADDRESS **P O BOX 899**
SALT LAKE CITY UT 84110

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)

UT0022896 (2-16) PERMIT NUMBER
 004 A (17-19) DISCHARGE NUMBER

DISCHARGE MINE PORTAL
 - COTTONWOOD CREEK -

FACILITY
 LOCATION
 ATTN: C E SHINGLETON, DIR PERMITTING

MONITORING PERIOD
 FROM YEAR 88 MO 05 DAY 01 TO YEAR 88 MO 05 DAY 31
 (20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

MAJOR NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	(3 Card Only) QUANTITY OR LOADING (46-53)			(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	MINIMUM	AVERAGE	MAXIMUM			
FLOW RATE										
00056 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	NO DISCHARGE			*****	*****	*****			
	PERMIT REQUIREMENT	REPORT 30 DA AV	REPORT DAILY MX	GPD	*****	*****	*****	****	ONCE/MONTH	MEASRD
PH	SAMPLE MEASUREMENT	*****	*****			*****				
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	6.5 DAILY MN	*****	9.0 DAILY MX	SU	ONCE/MONTH	GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	*****	*****		*****	*****				
00530 0 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	*****	*****	****	*****	*****	70 DAILY MX	MG/L	TWICE/MONTH	GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	*****	*****		*****					
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	25 30 DA AV	35 MX 7D AV	MG/L	TWICE/MONTH	GRAB
OIL AND GREASE	SAMPLE MEASUREMENT	*****	*****		*****	*****				
FREON EXTR-GRAY METH	SAMPLE MEASUREMENT	*****	*****		*****	*****				
00556 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	REPORT DAILY MN	*****	10 DAILY MX	MG/L	ONCE/MONTH	GRAB
IRON, TOTAL (AS FE)	SAMPLE MEASUREMENT	*****	*****		*****					
00045 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT 30 DA AV	2.0 DAILY MX	MG/L	ONCE/MONTH	GRAB
SOLIDS, TOTAL DISSOLVED (MG/L)	SAMPLE MEASUREMENT	*****	*****		*****					
70295 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT 30 DA AV	1000 DAILY MX	MG/L	ONCE/MONTH	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
J. Brett Harvey
 Vice President
 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 USC § 1001 AND 33 USC § 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
 801 653-2312
 DATE
 88 06 10
 AREA CODE NUMBER YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
 THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM OTHER THAN TRACE AMOUNTS. NO DISCHARGE SANITARY WASTE. IF DISCHARGE INTERMITTENT, REPORT DURATION OF DISCHARGE. BIOMONITORING TO BE CONDUCTED AT EITHER 001 OR 004.

**utah
power**

& LIGHT COMPANY
MINING DIVISION

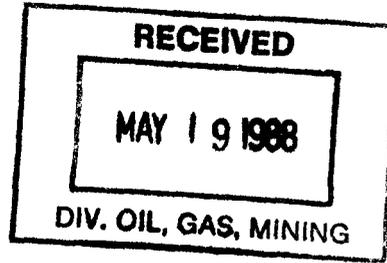
Field Office

P. O. Box 1005

Huntington, UT 84528

(801) 653-2312

(801) 653-2318



May 13, 1988

United States Environmental Protection Agency
Region VIII
Denver Place
999 18th Street, Suite 500
Denver, CO 80202-2405

Attention: Water Management Division
Compliance Branch (8WM-C)

Gentlemen:

Enclosed are the Discharge Monitoring Reports for the Wilberg Mine for April 1988. As noted on the reports, no water was discharged from the Wilberg Mine locations 001, 002, and 004. Discharge did occur at Wilberg Mine Sediment Pond (site 003) from April 18-30. One sample was collected during a precipitation event of less than the 10-year, 24-hour required amount.

Sincerely,

A handwritten signature in dark ink, appearing to read "Rodger C. Fry".

Rodger C. Fry
Manager of Geology

RCF/CAS/sh/1095

Enclosures

cc: M. Moon

V. Payne

C. Semborski

Utah Department of Health

Bureau of Water Pollution Control

P. O. Box 16690

Salt Lake City, UT 84116-0690

Utah State Division of Oil, Gas and Mining

Attention: Lowell Braxton

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME UTAH POWER AND LIGHT CO (WILBE)
ADDRESS P O BOX 899
SALT LAKE CITY UT 84110

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

UT0022896 004 A
 PERMIT NUMBER DISCHARGE NUMBER

DISCHARGE MINE PORTAL
 - COTTONWOOD CREEK -

FACILITY
LOCATION
ATTN: C E SHINGLETON, DIR PERMITTING

MONITORING PERIOD							
FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	88	04	01		88	04	30
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

MAJOR
 NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
FLOW RATE		NO DISCHARGE			*****	*****	*****			
00056 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT 30 DA AV	REPORT DAILY MX	GPD	*****	*****	*****	****	ONCE/ MONTH	MEASRD
PH	SAMPLE MEASUREMENT	*****	*****			*****				
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	6.5 DAILY MN	*****	9.0 DAILY MX	SU	ONCE/ MONTH	GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	*****	*****		*****	*****				
00530 0 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	*****	*****	****	*****	*****	70 DAILY MX	MG/L	TWICE/ MONTH	GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	*****	*****		*****	*****				
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	25 30 DA AV	35 MX 7D AV	MG/L	TWICE/ MONTH	GRAB
OIL AND GREASE	SAMPLE MEASUREMENT	*****	*****		*****	*****				
FREON EXTR-GRAY METH	PERMIT REQUIREMENT	*****	*****	****	REPORT DAILY MN	*****	10 DAILY MX	MG/L	ONCE/ MONTH	GRAB
IRON, TOTAL (AS FE)	SAMPLE MEASUREMENT	*****	*****		*****	*****				
01045 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT 30 DA AV	2.0 DAILY MX	MG/L	ONCE/ MONTH	GRAB
SOLIDS, TOTAL DISSOLVED (MG/L)	SAMPLE MEASUREMENT	*****	*****		*****	*****				
70295 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT 30 DA AV	1000 DAILY MX	MG/L	ONCE/ MONTH	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
J. Brett Harvey
 Vice President

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 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

[Signature]
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE DATE
 801 653-2312 88 05 13
 AREA CODE NUMBER YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM OTHER THAN TRACE AMOUNTS. NO DISCHARGE SANITARY WASTE. IF DISCHARGE INTERMITTENT, REPORT DURATION OF DISCHARGE. BIOMONITORING TO BE CONDUCTED AT EITHER 001 OR 004.

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME UTAH POWER AND LIGHT CO (WILBE)
ADDRESS P O BOX 899
SALT LAKE CITY UT 84110

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)
 (2-16) (17-19)

UT0022896 **001 A**
 PERMIT NUMBER DISCHARGE NUMBER

DISCHARGE MINE PORTAL

- GRIMES WASH -

FACILITY LOCATION

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
88	04	01	88	04	30
(20-21)	(22-23)	(24-25)	(26-27)	(28-29)	(30-31)

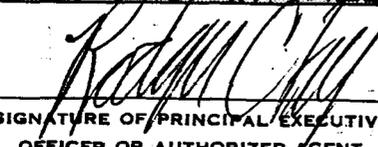
ATTN: C E SHINGLETON, DIR PERMITTING

MAJOR NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (46-53)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
FLOW RATE		NO DISCHARGE			*****	*****	*****			
00056 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT 30 DA AV	REPORT DAILY MX	GPD	*****	*****	*****	****	ONCE/MONTH	MEASRD
PH	SAMPLE MEASUREMENT	*****	*****			*****				
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	6.5 DAILY MN	*****	9.0 DAILY MX		ONCE/MONTH	GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	*****	*****		*****	*****				
00530 0 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	*****	*****	****	*****	*****	70 DAILY MX		TWICE/MONTH	GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	*****	*****		*****	*****				
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	25 30 DA AV	35 7D AV		TWICE/MONTH	GRAB
OIL AND GREASE	SAMPLE MEASUREMENT	*****	*****		*****	*****				
FREGN EXTR-GRAY METH	PERMIT REQUIREMENT	*****	*****	****	REPORT DAILY MN	*****	10 DAILY MX		ONCE/MONTH	GRAB
00555 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	*****				
IRON, TOTAL (AS FE)	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT 30 DA AV	2.0 DAILY MX		ONCE/MONTH	GRAB
01045 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	*****				
SOLIDS, TOTAL DISSOLVED (MG/L)	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT 30 DA AV	1000 DAILY MX		ONCE/MONTH	GRAB
70295 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	*****				

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
 J. Brett Harvey
 Vice President
 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 NUMBER: 801 653-2312
 DATE: 88 05 13
 AREA CODE NUMBER YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
 THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM OTHER THAN IN TRACE AMOUNTS. NO DISCHARGE SANITARY WASTE. IF DISCHARGE INTERMITTENT, REPORT DURATION OF DISCHRG BIOMONITORING TO BE CONDUCTED AT

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME UTAH POWER AND LIGHT CO (WILBE)
ADDRESS P O BOX 899
 SALT LAKE CITY UT 84110

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)
 (2-16) (17-19)

UT0022896
 PERMIT NUMBER

002 A
 DISCHARGE NUMBER

F - FINAL
 DISCHARGE SED POND COTTNWD CR

FACILITY _____
 LOCATION _____
 ATTN: C E SHINGLETON, DIR PERMITTING

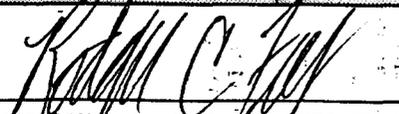
MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
88	04	01	TO	88	04	30
(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

MAJOR
 NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT	(3 Card Only) QUANTITY OR LOADING (46-53)			(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	MINIMUM	AVERAGE	MAXIMUM			
FLOW RATE										
00056 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	NO DISCHARGE	REPORT 30 DA AV	REPORT DAILY MX	GPD	*****	*****	*****	*****	ONCE/MO
PH										
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	*****	6.5 DAILY MN	*****	9.0 DAILY MX	SU	ONCE/MO
SOLIDS, TOTAL SUSPENDED										
00530 0 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	70 DAILY MX	MG/L	TWICE/MO
SOLIDS, TOTAL SUSPENDED										
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	*****	25 30 DA AV	*****	35 MX 7D AV	MG/L	TWICE/MO
SOLIDS, SETTLEABLE										
00545 0 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	0.5 DAILY MX	ML/L	WEEKLY GRAB
OIL AND GREASE										
FREON EXTR-GRAB METH										
00556 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	*****	REPORT DAILY MN	*****	10 DAILY MX	MG/L	ONCE/MO
IRON, TOTAL (AS FE)										
01045 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	*****	REPORT 30 DA AV	*****	2.0 DAILY MX	MG/L	ONCE/MO

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
 J. Brett Harvey
 Vice President
 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 USC § 1001 AND 33 USC § 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
 801 | 653-2312
 AREA CODE NUMBER
 DATE
 88 | 05 | 13
 YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
 NO DISCHRG (Q) FLOATING SOLIDS OR VISIBLE FOAM OTHER THAN IN TRACE AMTS. NO Q SAN WASTE, Q INTERMITTENT, RPT DURATION, SEE PRMT FOR STORMWATER Q EFFL VARIANCE; EFFL SAMPLE COL DURING SW, Q SHALL BE ANALYZED FOR SETTLEABLE SOLIDS (SS). IF SAMPLE COL DURING NONSTORM Q RPT "NR" IN ALL OPEN SS BOXES.
 EPA Form 3320-1 (Rev. 10-79) PREVIOUS EDITION TO BE USED UNTIL SUPPLY IS EXHAUSTED. (REPLACES EPA FORM T-49 WHICH MAY NOT BE USED.) 00118/121487-1321 PAGE 1 OF 1

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME UTAH POWER AND LIGHT CO (WILBE)
ADDRESS P O BOX 899
 SALT LAKE CITY UT 84110

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)
 (2-16) (17-19)
UT0022896 **003 A**
 PERMIT NUMBER DISCHARGE NUMBER

F - FINAL
 DISCHRG SED POND GRIMES WASH

FACILITY
 LOCATION
 ATTN: C E SHINGLETON, DIR PERMITTING

MONITORING PERIOD
 FROM YEAR 88 MO 04 DAY 01 TO YEAR 88 MO 04 DAY 30
 (20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

MAJOR
 NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45)			UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				
FLOW RATE		55 GPM			*****	*****	*****				
00056 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT 30 DA AV	REPORT DAILY MX	GPD	*****	*****	*****	****		ONCE/MO	MEASRD
PH	SAMPLE MEASUREMENT	*****	*****		7.92	*****	7.92			One Sample	
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	6.5	*****	9.0	SU		ONCE/GRAB	MONTH
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	*****	*****		*****	*****	---			One Sample	
00530 0 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	*****	*****	****	*****	*****	70	DAILY MX MG/L		TWICE/GRAB	MONTH
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	*****	*****		*****	*****	---			One Sample	
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	25	35	30 DA AV MX 7D AV MG/L		TWICE/GRAB	MONTH
SOLIDS, SETTLEABLE	SAMPLE MEASUREMENT	*****	*****		*****	*****	<0.5			One Sample	
00545 0 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	*****	*****	****	*****	*****	0.5	DAILY MX ML/L		WEEKLY GRAB	
OIL AND GREASE	SAMPLE MEASUREMENT	*****	*****		6.2	*****	6.2			One Sample	
FREON EXTR-GRAY METH	PERMIT REQUIREMENT	*****	*****	****	REPORT DAILY MN	*****	10	DAILY MX MG/L		ONCE/GRAB	MONTH
00556 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	>0.02	>0.02			One Sample	
IRON, TOTAL (AS FE)	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT 30 DA AV	2.0	DAILY MX MG/L		ONCE/GRAB	MONTH
01045 1 0 0 EFFLUENT GROSS VALUE											

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
 J. Brett Harvey
 Vice President
 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 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

TELEPHONE
 801 653-2312
 DATE
 88 05 13
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME UTAH POWER AND LIGHT CO (WILBE)
ADDRESS P O BOX 899
 SALT LAKE CITY UT 84110

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)

UT0022896 PERMIT NUMBER
 SUM A DISCHARGE NUMBER

F - FINAL
 COMBINATION 002 AND 003

FACILITY
 LOCATION
 ATTN: C E SHINGLETON, DIR PERMITTING

MONITORING PERIOD
 FROM YEAR 88 MO 04 DAY 01 TO YEAR 88 MO 04 DAY 30
 (20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

MAJOR
 NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
SOLIDS, TOTAL DISSOLVED (MG/L) 70295 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	1838	1838	LBS/DY	*****	*****	*****			
	PERMIT REQUIREMENT	REPORT 30 DA AV	2000 DAILY MX		*****	*****	*****	****	ONCE/	GRAB
Site 003 Wilberg Sediment Pond	SAMPLE MEASUREMENT	1214.8	1214.8	TOTAL TONS/MONTH			7.29			
	PERMIT REQUIREMENT									
Site 002 Cottonwood Canyon Creek Sediment Pond	SAMPLE MEASUREMENT	NO DISCHARGE								
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
 J. Brett Harvey
 Vice President
 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 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years.)

[Signature]
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE
 801 653-2312
 DATE
 88 05 13
 AREA CODE NUMBER YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
TOTAL DISCHARGE OF TDS FROM OUTFALLS 002 AND 003 SHALL NOT EXCEED 2,000 LBS/DAY DURING DRAWDOWN.

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME UTAH POWER AND LIGHT CO (WILBE)
ADDRESS P O BOX 899
SALT LAKE CITY UT 84110

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)
 (2-16) (17-19)

UT0022896 **002 A**
 PERMIT NUMBER DISCHARGE NUMBER

F - FINAL
DISCHARGE SED POND COTTNWD CR

FACILITY
LOCATION
ATTN: C E SHINGLETON, DIR PERMITTING

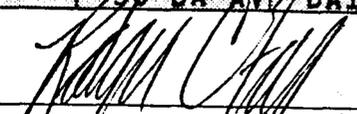
MONITORING PERIOD							
FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	88	01	01		88	01	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

MAJOR
NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT	(3 Card Only) (46-53) QUANTITY OR LOADING (54-61)			(4 Card Only) (38-45) QUALITY OR CONCENTRATION (46-53) (54-61)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
FLOW RATE		NO DISCHARGE			*****	*****	*****				
00056 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT 30 DA AV	REPORT DAILY MX	GPD	*****	*****	*****	****		ONCE/MO	MEASRD
	SAMPLE MEASUREMENT	*****	*****			*****					
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	6.5 DAILY MN	*****	9.0 DAILY MX	SU		ONCE/MO	GRAB
	SAMPLE MEASUREMENT	*****	*****		*****	*****					
SOLIDS, TOTAL SUSPENDED	PERMIT REQUIREMENT	*****	*****	****	*****	*****	70 DAILY MX	MG/L		TWICE/MO	GRAB
00530 0 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	*****	*****		*****	*****					
SOLIDS, TOTAL SUSPENDED	PERMIT REQUIREMENT	*****	*****	****	*****	25 30 DA AV	35 MX 7D AV	MG/L		TWICE/MO	GRAB
00530 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	*****					
SOLIDS, SETTLEABLE	PERMIT REQUIREMENT	*****	*****	****	*****	*****	0.5 DAILY MX	ML/L		WEEKLY	GRAB
00545 0 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	*****	*****		*****	*****					
AND GREASE FREON EXTR-GRAY METH	PERMIT REQUIREMENT	*****	*****	****	REPORT DAILY MN	*****	10 DAILY MX	MG/L		ONCE/MO	GRAB
00556 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	*****					
IRON, TOTAL (AS FE)	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT 30 DA AV	2.0 DAILY MX	MG/L		ONCE/MO	GRAB
01045 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	*****					

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
J. Brett Harvey, 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 USC § 1001 AND 33 USC § 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
801 687-9821
 AREA CODE NUMBER
 DATE
88 04 08
 YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
NO DISCHRG (Q) FLOATING SOLIDS OR VISIBLE FOAM OTHER THAN IN TRACE AMTS. NO Q SAN WASTE, Q INTERMITTENT, RPT DURATION, SEE PRMT FOR STORMWATER Q EFFL VARIANCE; EFFL SAMPLE COL DURING SW, Q SHALL BE ANALYZED FOR SETTLEABLE SOLIDS (SS) IN SAME COL DURING NONSTORM Q RPT MNR IN ALL OPEN SS BOXES.
 EPA Form 3320-1 (Rev. 10/79) PREVIOUS EDITIONS TO BE USED UNTIL SUPPLY IS EXHAUSTED. (REPLACES EPA FORM T-40 WHICH MAY NOT BE USED.)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME UTAH POWER AND LIGHT CO (WILBE)
ADDRESS P O BOX 899
SALT LAKE CITY UT 84110

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)
 (2-16) (17-19)
UT0022896
 PERMIT NUMBER

F - FINAL
DISCHARGE SED POND COTTNWD CR

FACILITY
LOCATION
ATTN: C E SHINGLETON, DIR PERMITTING

MONITORING PERIOD
 FROM YEAR 88 MO 02 DAY 01 TO YEAR 88 MO 02 DAY 29
 (20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

MAJOR
NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
FLOW RATE		NO DISCHARGE			*****					
0056 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT 30 DA AV	REPORT DAILY MX	GPD	*****	*****	*****	****	ONCE/MONTH	MEASRD
00400 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	****	6.5 DAILY MN	*****	9.0 DAILY MX	SU	ONCE/MONTH	GRAB
SOLIDS, TOTAL SUSPENDED	PERMIT REQUIREMENT	*****	*****	****	*****	*****	70 DAILY MX	MG/L	TWICE/MONTH	GRAB
00530 0 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	*****	*****	****	*****	*****	25 30 DA AV	35 MX 7D AV	TWICE/MONTH	GRAB
SOLIDS, TOTAL SUSPENDED	PERMIT REQUIREMENT	*****	*****	****	*****	*****	0.5 DAILY MX	ML/L	WEEKLY	GRAB
00530 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	****	*****	*****	10 DAILY MX	MG/L	ONCE/MONTH	GRAB
SOLIDS, SETTLEABLE	PERMIT REQUIREMENT	*****	*****	****	*****	*****	2.0 DAILY MX	MG/L	ONCE/MONTH	GRAB
00545 0 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	*****	*****	****	*****	*****	*****	*****	*****	*****
00556 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	*****	*****	*****	*****	*****
IRON, TOTAL (AS FE)	SAMPLE MEASUREMENT	*****	*****	****	*****	*****	*****	*****	*****	*****
01045 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	*****	*****	*****	*****	*****

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
J. Brett Harvey, 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 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

[Signature]
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE
 801 687-9821
 DATE
 88 04 08

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
NO DISCHRG (Q) FLOATING SOLIDS OR VISIBLE FOAM OTHER THAN IN TRACE AMTS. NO Q SAN WASTE, Q INTERMITTENT, RPT DURATION, SEE PRMT FOR STORMWATER Q EFFL VARIANCE, EFFL SAMPLE COL DURING SW, Q SHALL BE ANALYZED FOR SETTLEABLE SOLIDS (SS); IF SAMLE COL DURING NONSTORM Q RPT "NR" IN ALL OPEN SS BOXES.
 EPA Form 3320-1 (Rev. 10-79) PREVIOUS EDITION TO BE USED UNTIL SUPPLY IS EXHAUSTED. (REPLACES EPA FORM T-40 WHICH MAY NOT BE USED.)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME UTAH POWER AND LIGHT CO (WILBE)
ADDRESS P O BOX 899
SALT LAKE CITY UT 84110

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)
 (2-16) (17-19)

UT0022896 **002 A**
 PERMIT NUMBER DISCHARGE NUMBER

F - FINAL
DISCHARGE SED POND COTTNWD CR

FACILITY
LOCATION

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
88	03	01	TO	88	03	31
(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

MAJOR
NOTE: Read instructions before completing this form.

ATTN: C E SHINGLETON, DIR PERMITTING

PARAMETER (32-37)	SAMPLE MEASUREMENT	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
FLOW RATE		NO DISCHARGE			*****					
00056 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT	REPORT		*****	*****	*****	****	DNCE/	MEASRD
PH	SAMPLE MEASUREMENT	*****	*****			*****				
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	6.5	*****	9.0	****	DNCE/	GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	*****	*****		*****	*****				
00530 0 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	*****	*****	****	*****	*****	70	****	TWICE/	GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	*****	*****		*****	*****				
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	25	35	****	TWICE/	GRAB
SOLIDS, SETTLEABLE	SAMPLE MEASUREMENT	*****	*****		*****	*****				
00545 0 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	*****	*****	****	*****	*****	0.5	****	WEEKLY	GRAB
COAL AND GREASE	SAMPLE MEASUREMENT	*****	*****		*****	*****				
FREON EXTR-GRAY METH	SAMPLE MEASUREMENT	*****	*****		*****	*****				
00556 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	REPORT	*****	10	****	ONCE/	GRAB
IRON, TOTAL (AS FE)	SAMPLE MEASUREMENT	*****	*****		*****	*****				
01045 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT	2.0	****	ONCE/	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
J. Brett Harvey, 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 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

[Signature]
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE
 801 | 687-9821
 AREA CODE NUMBER
 DATE
 88 | 04 | 08
 YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
NO DISCHRG (Q) FLOATING SOLIDS OR VISIBLE FOAM OTHER THAN IN TRACE AMTS. NO Q SAN WASTE, Q INTERMITTENT, RPT DURATION, SEE PRMT FOR STORMWATER Q EFFL VARIANCE; EFFL SAMPLE COL DURING SW, Q SHALL BE ANALYZED FOR SETTLEABLE SOLIDS (SS) 1 IT SAME COL DURING NONSTORM Q RPT "NR" IN ALL OPEN SS BOXES.
 EPA Form 3320-1 (REV. 10-79) UNTIL SUPPLY IS EXHAUSTED. (REPLACES EPA FORM 1-40 WHICH MAY NOT BE USED.)
 00117/121487-1321 PAGE 1 OF 1

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME UTAH POWER AND LIGHT CO (WILBE)
ADDRESS P O BOX 999
 SALT LAKE CITY UT 84110

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)

UT0022896 (2-16) 001 A (17-19)
 PERMIT NUMBER DISCHARGE NUMBER

DISCHARGE MINE PORTAL
 - GRIMES WASH -

FACILITY LOCATION
 ATTN: C E SHINGLETON, DIR PERMITTING

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
88	01	01	TO	88	01	31
(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

MAJOR NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (46-53)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
FLOW RATE		NO DISCHARGE			*****	*****	*****			
00056 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT 30 DA AV	REPORT DAILY MX	GPD	*****	*****	*****	****	ONCE/MONTH	MEASRD
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	6.5 DAILY MN	*****	9.0 DAILY MX	SU	ONCE/MONTH	GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	*****	*****		*****	*****				
00530 C 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	*****	*****	****	*****	*****	70 DAILY MX	MG/L	TWICE/MONTH	GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	*****	*****		*****	*****				
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	25 30 DA AV	35 MX 7D AV	MG/L	TWICE/MONTH	GRAB
OIL AND GREASE	SAMPLE MEASUREMENT	*****	*****		*****	*****				
FREON EXTR-GRAV METH	PERMIT REQUIREMENT	*****	*****	****	REPORT DAILY MN	*****	10 DAILY MX	MG/L	ONCE/MONTH	GRAB
N, TOTAL (AS FE)	SAMPLE MEASUREMENT	*****	*****		*****	*****				
01045 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT 30 DA AV	2.0 DAILY MX	MG/L	ONCE/MONTH	GRAB
SOLIDS, TOTAL DISSOLVED (MG/L)	SAMPLE MEASUREMENT	*****	*****		*****	*****				
70295 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT 30 DA AV	1000 DAILY MX	MG/L	ONCE/MONTH	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
 J. Brett Harvey, 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 USC § 1001 AND 33 USC § 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 801 687-9821
 DATE 88 04 88
 AREA CODE NUMBER YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
 THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM OTHER THAN IN TRACE AMOUNTS. NO DISCHARGE OF SANITARY WASTE. IF DISCHARGE INTERMITTENT, REPORT DURATION OF DISCHRG BIOMONITORING TO BE CONDUCTED AT EITHER 001 OR 004.

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME UTAH POWER AND LIGHT CO (WILBE)
ADDRESS P O BOX 899
 SALT LAKE CITY UT 84110

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)
 (2-16) (17-19)

UT0022696 PERMIT NUMBER
 001 A DISCHARGE NUMBER

DISCHARGE MINE PORTAL

- GRIMES WASH -

FACILITY LOCATION
 ATTN: C E SHINGLETON, DIP PERMITTING

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
88	02	01	TO	88	02	29
(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

MAJOR NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45) (54-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
FLOW RATE		NO DISCHARGE			*****	*****	*****			
00056 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT 30 DA AV	REPORT DAILY MX	GPD	*****	*****	*****	****	ONCE/MONTH	MEASRD
	SAMPLE MEASUREMENT	*****	*****			*****				
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	6.5 DAILY MN	*****	9.0 DAILY MX	SI	ONCE/MONTH	GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	*****	*****		*****	*****				
00530 0 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	*****	*****	****	*****	*****	70 DAILY MX	MG/L	TWICE/MONTH	GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	*****	*****		*****	*****				
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	25 30 DA AV	35 MX 7D AV	MG/L	TWICE/MONTH	GRAB
OIL AND GREASE FREON EXTR-GRAV METH	SAMPLE MEASUREMENT	*****	*****		*****	*****				
00556 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	REPORT DAILY MN	*****	10 DAILY MX	MG/L	ONCE/MONTH	GRAB
IRON, TOTAL (AS FE)	SAMPLE MEASUREMENT	*****	*****		*****	*****				
01045 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT 30 DA AV	2.0 DAILY MX	MG/L	ONCE/MONTH	GRAB
SOLIDS, TOTAL DISSOLVED (MG/L)	SAMPLE MEASUREMENT	*****	*****		*****	*****				
70295 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT 30 DA AV	1000 DAILY MX	MG/L	ONCE/MONTH	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
 J. Brett Harvey, 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 USC § 1001 AND 33 USC § 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 NUMBER: 801 687-9821
 DATE: 88 04 08

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
 THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM OTHER THAN IN TRACE AMOUNTS. NO DISCHARGE OF SANITARY WASTE. IF DISCHARGE INTERMITTENT, REPORT DURATION OF DISCHRG BIOMONITORING TO BE CONDUCTED AT EITHER 001 OR 004

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME UTAH POWER AND LIGHT CO (WILBE
ADDRESS P O BOX 899
SALT LAKE CITY UT 84110

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)
 (2-16) (17-19)

UT0022896
 PERMIT NUMBER

001 A
 DISCHARGE NUMBER

DISCHARGE MINE PORTAL

- GRIMES WASH -

FACILITY
LOCATION
ATTN: C E SHINGLETON, DIR PERMITTING

MONITORING PERIOD							
FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	88	03	01		88	03	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

MAJOR
 NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45) (54-61)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
FLOW RATE		NO DISCHARGE			*****	*****	*****				
00056 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT 30 DA AV	REPORT DAILY MX	GPD	*****	*****	*****	****		ONCE/MONTH	MEASRD
	SAMPLE MEASUREMENT	*****	*****			*****					
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	6.5 DAILY MN	*****	9.0 DAILY MX	SU		ONCE/MONTH	GRAB
	SAMPLE MEASUREMENT	*****	*****		*****	*****					
SOLIDS, TOTAL SUSPENDED		*****	*****		*****	*****					
00530 C 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	*****	*****	****	*****	*****	70 DAILY MX	MG/L		TWICE/MONTH	GRAB
	SAMPLE MEASUREMENT	*****	*****		*****	*****					
SOLIDS, TOTAL SUSPENDED		*****	*****		*****	25	35				
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	30 DA AV	MX 7D AV	MG/L			TWICE/MONTH	GRAB
	SAMPLE MEASUREMENT	*****	*****		*****	*****					
OIL AND GREASE FREQN EXTR-GRAV METH		*****	*****		*****	*****					
00556 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	REPORT DAILY MN	*****	10 DAILY MX	MG/L		ONCE/MONTH	GRAB
	SAMPLE MEASUREMENT	*****	*****		*****	*****					
PHOSPHORUS, TOTAL (AS FE)		*****	*****		*****	*****					
01045 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT 30 DA AV	2.0 DAILY MX	MG/L		ONCE/MONTH	GRAB
	SAMPLE MEASUREMENT	*****	*****		*****	*****					
SOLIDS, TOTAL DISSOLVED (MG/L)		*****	*****		*****	*****					
70295 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT 30 DA AV	1000 DAILY MX	MG/L		ONCE/MONTH	GRAB
	SAMPLE MEASUREMENT	*****	*****		*****	*****					

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
J. Brett Harvey, 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 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

[Signature]
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE
 801 687-9821
 DATE
 88 04 08
 AREA CODE NUMBER YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM OTHER THAN IN TRACE AMOUNTS. NO DISCHARGE OF SANITARY WASTE. IF DISCHARGE INTERMITTENT, REPORT DURATION OF DISCHRG BIOMONITORING TO BE CONDUCTED AT EITHER 001 OR 004.

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME UTAH POWER AND LIGHT CO (WILBE
ADDRESS P O BOX 899
SALT LAKE CITY UT 84110

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)
 (2-16) (17-19)

UT0022896 **003 A**
 PERMIT NUMBER DISCHARGE NUMBER

F - FINAL
DISCHRG SED POND GRIMES WASH

FACILITY
LOCATION
ATTN: C E SHINGLETON, DIR PERMITTING

MONITORING PERIOD							
YEAR	MO	DAY	TO	YEAR	MO	DAY	
88	01	01		88	01	31	
(20-21)		(22-23)		(24-25)		(26-27)	
				(28-29)		(30-31)	

MAJOR
NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
FLOW RATE		NO DISCHARGE			*****						
00056 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT 30 DA AV	REPORT DAILY MX	GPD	*****				****	ONCE/MONTH	MEASRD
00400 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	****	*****						
	PERMIT REQUIREMENT	*****	*****	****	6.5 DAILY MN	*****	9.0 DAILY MX	SU		ONCE/MONTH	GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	*****	*****	****	*****						
00530 0 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	*****	*****	****	*****				70 DAILY MX	MG/L	TWICE/MONTH
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	*****	*****	****	*****						
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	25 30 DA AV	*****	35 7D AV	MG/L		TWICE/MONTH	GRAB
SOLIDS, SETTLEABLE	SAMPLE MEASUREMENT	*****	*****	****	*****						
00545 0 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	*****	*****	****	*****				0.5 DAILY MX	ML/L	WEEKLY GRAB
AND GREASE FREON EXTR-GRAY METH	SAMPLE MEASUREMENT	*****	*****	****	*****						
00556 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	REPORT DAILY MN	*****	10 DAILY MX	MG/L		ONCE/MONTH	GRAB
IRON, TOTAL (AS FE)	SAMPLE MEASUREMENT	*****	*****	****	*****						
01045 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	REPORT 30 DA AV	*****	2.0 DAILY MX	MG/L		ONCE/MONTH	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
J. Brett Harvey, 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 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

[Signature]
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: 801 687-9821
 DATE: 88 04 08
 AREA CODE NUMBER YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
NO DSCRG (Q) FLTG SOLIDS OR VISIBLE FOAM OTHER THAN IN TRACE AMOUNTS. NO Q SAN WASTE, Q INTERMITTENT, RPT DURATION Q. SEE PRMT FOR STORMWATER Q EFFL VARIANCE; EFFL SAMPLE COL DURING SW, Q SHALL BE ANALYZED FOR SETTLEABLE SOLIDS (SS) IF SAMPLE COL DURING NONSTORM Q RPT ENRN IN ALL OPEN BOXES
 EPA Form 3320-1 (Rev. 10-79) PREVIOUS EDITION TO BE USED UNTIL SUPPLY IS EXHAUSTED. (REPLACES EPA FORM T-40 WHICH MAY NOT BE USED.)
 00172/121487-1321 PAGE 1 OF 1

Facility Name/Address (Include
 NAME UTAH POWER AND LIGHT CO (WILBE
 ADDRESS P O BOX 899
SALT LAKE CITY UT 84110

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)
 (2-16) (17-19)
 UT0022896
 PERMIT NUMBER
 SUM A
 DISCHARGE NUMBER

F - FINAL
 COMBINATION 002 AND 003

FACILITY _____
 LOCATION _____
 ATTN: C E SHINGLETON, DIR PERMITTING

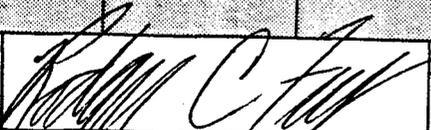
MONITORING PERIOD
 FROM YEAR 88 MO 01 DAY 01 TO YEAR 88 MO 01 DAY 31
 (20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

MAJOR
 NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT	(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	MINIMUM	AVERAGE	MAXIMUM			
SOLIDS, TOTAL DISSOLVED (MG/L) 70295 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	NO DISCHARGE			*****	*****	*****			
	PERMIT REQUIREMENT	REPORT 30 DA AV	2000 DAILY MX	LBS/DY	*****	*****	*****	****	ONCE/ MONTH	GRAB
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
J. Brett Harvey, 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 USC § 1001 AND 33 USC § 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
801 | 687-9821
 AREA CODE NUMBER
 DATE
88 | 04 | 08
 YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
TOTAL DISCHARGE OF TDS FROM OUTFALLS 002 AND 003 SHALL NOT EXCEED 2,000 LBS/DAY DURING DRAWDOWN.

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME UTAH POWER AND LIGHT CO (WILBE)
ADDRESS P. O BOX 899
 SALT LAKE CITY UT 84110

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)
 (2-16) (17-19)

UT0022896 PERMIT NUMBER
 003 A DISCHARGE NUMBER

F - FINAL
 DISCHRG SED POND GRIMES WASH

FACILITY
LOCATION
 ATTN: C E SHINGLETON, DIR PERMITTING

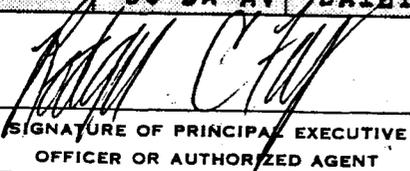
MONITORING PERIOD							
FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	88	02	01		88	02	29
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

MAJOR
 NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
FLOW RATE					*****	*****	*****			
00056 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	NO DISCHARGE	REPORT 30 DA AV	REPORT DAILY MX GPD	*****	*****	*****	****	ONCE/MONTH	MEASRD
00400 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	*****			
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	6.5 DAILY MN	*****	9.0 DAILY MX SU		ONCE/MONTH	GRAB
00530 0 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	*****			
00530 0 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	*****	*****	****	*****	*****	70 DAILY MX MG/L		TWICE/MONTH	GRAB
00530 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	*****			
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	25 30 DA AV	35 7D AV MG/L		TWICE/MONTH	GRAB
00545 0 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	*****			
00545 0 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	*****	*****	****	*****	*****	0.5 DAILY MX ML/L		WEEKLY	GRAB
00556 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	*****			
00556 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	REPORT DAILY MN	*****	10 DAILY MX MG/L		ONCE/MONTH	GRAB
01045 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	*****			
01045 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT 30 DA AV	2.0 DAILY MX MG/L		ONCE/MONTH	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
 J. Brett Harvey, 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 USC § 1001 AND 33 USC § 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 NUMBER: 801 687-9821
 DATE: 88 04 08

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
 NO DSCRG (Q) FLTG SOLIDS OR VISIBLE FOAM OTHER THAN IN TRACE AMOUNTS. NO Q SAN WASTE; Q INTERMITTENT, RPT DURATION Q. SEE PRMT FOR STORMWATER Q EFFL VARIANCE; EFFL SAMPLE COL DURING SW, Q SHALL BE ANALYZED FOR SETTEABLE SOLIDS (SS) IF SAMPLE COL DURING NONSTORM Q RPT "NR" IN ALL OPEN BOXES
 EPA Form 3320-1 (Rev. 10-79) PREVIOUS EDITION TO BE USED UNTIL SUPPLY IS EXHAUSTED. (REPLACES EPA FORM T-40 WHICH MAY NOT BE USED.)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME UTAH POWER AND LIGHT CO (WILBE)
ADDRESS P O BOX 899
SALT LAKE CITY UT 84110

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) **UT0022896** (17-19) **SUM A**
 PERMIT NUMBER DISCHARGE NUMBER

F - FINAL
COMBINATION 002 AND 003

FACILITY
LOCATION
ATTN: C E SHINGLETON, DIR PERMITTING

MONITORING PERIOD
 FROM YEAR 88 MO 02 DAY 01 TO YEAR 88 MO 02 DAY 29
 (20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

MAJOR
NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
SOLIDS, TOTAL DISSOLVED (MG/L) 70295 1 0 0 EFFLUENT GROSS VALUE		NO DISCHARGE			*****	*****	*****				
	PERMIT REQUIREMENT	REPORT 30 DA AV	2000 DAILY MX	LBS/DY	*****	*****	*****	****		ONCE/ GRAB MONTH	
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
J. Brett Harvey, 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 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

[Signature]
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE 801 | 687-9821
 AREA CODE NUMBER
 DATE 88 04 08
 YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
TOTAL DISCHARGE OF TDS FROM OUTFALLS 002 AND 003 SHALL NOT EXCEED 2,000 LBS/DAY DURING DRAWDOWN.

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME UTAH POWER AND LIGHT CO (WILBE)
ADDRESS P O BOX 899
SALT LAKE CITY **UT 84110**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)
 (2-16) (17-19)

UT0022896
 PERMIT NUMBER

003 A
 DISCHARGE NUMBER

F - FINAL DISCHRG SED POND GRIMES WASH

FACILITY
LOCATION

MONITORING PERIOD

FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	88	03	01		88	03	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

MAJOR
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ATTN: C E SHINGLETON, DIR PERMITTING

PARAMETER (32-37)	X	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (46-53) (54-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
FLOW RATE										
00056 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	10.75	16		*****	*****	*****			
	PERMIT REQUIREMENT	REPORT 30 DA AV	REPORT DAILY MX	GPD	*****	*****	*****	****	ONCE/MONTH	MEASRD
	SAMPLE MEASUREMENT	*****	*****			*****				
00400 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT				8.02		8.07		1/30	GRAB
	PERMIT REQUIREMENT	*****	*****	****	6.5	*****	9.0		ONCE/MONTH	GRAB
					DAILY MN		DAILY MX	SU		
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	*****	*****		*****	*****				
00530 0 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	*****	*****	****	*****	*****	70		TWICE/MONTH	GRAB
							DAILY MX	MG/L		
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	*****	*****		*****	*****				
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	25	35		TWICE/MONTH	GRAB
						30 DA AV	MX 7D AV	MG/L		
SOLIDS, SETTLEABLE	SAMPLE MEASUREMENT	*****	*****		*****	*****				
00545 0 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	*****	*****	****	*****	*****	X X X		WEEKLY	GRAB
							0.5			
Oil AND GREASE	SAMPLE MEASUREMENT	*****	*****		*****	*****				
FREON EXTR-GRAV METH	PERMIT REQUIREMENT	*****	*****	****	6.6	*****	11.0		1	1/30
00556 1 0 0 EFFLUENT GROSS VALUE					REPORT DAILY MN	*****	10		ONCE/MONTH	GRAB
							DAILY MX	MG/L		
IRON, TOTAL (AS FE)	SAMPLE MEASUREMENT	*****	*****		*****	*****				
01045 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	0.18	0.26		1/30	GRAB
						REPORT	2.0		ONCE/MONTH	GRAB
						30 DA AV	DAILY MX	MG/L		

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
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TELEPHONE
801 687-9821
 AREA CODE NUMBER
 DATE
88 04 08
 YEAR MO DAY

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

NO DSCRG (Q) FLTG SOLIDS OR VISIBLE FOAM OTHER THAN IN TRACE AMOUNTS, NO Q SAN WASTE, Q INTERMITTENT, RPT DURATION Q, SEE PRMT FOR STORMWATER Q EFFL VARIANCE; EFFL SAMPLE COL DURING SW, Q SHALL BE ANALYZED FOR SETTLEABLE SOLIDS (SS) IF SAMPLE COL DURING NONSTORM Q RPT "NR" IN ALL OPEN BOXES

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NAME: **UTAH POWER AND LIGHT CO (WILBE)**
 ADDRESS: **P O BOX 899**
SALT LAKE CITY UT 84110

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR)

UT0022896
 PERMIT NUMBER

SUM A
 DISCHARGE NUMBER

F - FINAL COMBINATION 002 AND 003

FACILITY LOCATION
 ATTN: **C E SHINGLETON, DIR PERMITTING**

MONITORING PERIOD							
YEAR	MO	DAY	TO	YEAR	MO	DAY	
88	03	01		88	03	31	
(20-21)		(22-23)		(24-25)		(26-27)	
				(28-29)		(30-31)	

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PARAMETER (32-37)	X	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (54-61)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
SOLIDS, TOTAL DISSOLVED (MG/L) 70295 1 0 0	SAMPLE MEASUREMENT	3,043	3,199		*****	*****	*****				
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT 30 DA AV	2000 DAILY MX	LBS/DY	*****	*****	*****	****	ONCE/MONTH	GRAB	
Site 003 Wilberg Sediment Pond	SAMPLE MEASUREMENT	393	615		TOTAL TONS/MONTH		6.09				
	PERMIT REQUIREMENT	lbs./day	lbs./day								
Site 002 Cottonwood Canyon Creek Sediment Pond	SAMPLE MEASUREMENT	NO DISCHARGE									
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

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[Signature]
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: 801 687-9821
 DATE: 88 04 08
 AREA CODE NUMBER YEAR MO DAY

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NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)

UT0022896
 PERMIT NUMBER

004 A
 DISCHARGE NUMBER

DISCHARGE MINE PORTAL

- COTTONWOOD CREEK -

FACILITY
LOCATION
ATTN: C E SHINGLETON, DIR PERMITTING

MONITORING PERIOD							
FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
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		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
FLOW RATE		NO DISCHARGE			*****	*****	*****				
00056 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT 30 DA AV	REPORT DAILY MX	GPD	*****	*****	*****	****		ONCE/ MONTH	MEASRD
00400 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	****	*****	*****	*****				
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	6.5 DAILY MN	*****	9.0 DAILY MX	SU		ONCE/ MONTH	GRAB
00530 0 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	*****	*****	****	*****	*****	*****				
00530 0 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	*****	*****	****	*****	*****	70 DAILY MX	MG/L		TWICE/ MONTH	GRAB
00530 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	****	*****	*****	*****				
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	25 30 DA AV	35 7D AV	MG/L		TWICE/ MONTH	GRAB
00556 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	****	*****	*****	*****				
00556 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	REPORT DAILY MN	*****	10 DAILY MX	MG/L		ONCE/ MONTH	GRAB
01045 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	****	*****	*****	*****				
01045 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT 30 DA AV	2.0 DAILY MX	MG/L		ONCE/ MONTH	GRAB
70295 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	****	*****	*****	*****				
70295 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT 30 DA AV	1000 DAILY MX	MG/L		ONCE/ MONTH	GRAB

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PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
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DISCHARGE MONITORING REPORT (DMR)
 (2-16) (17-19)

UT0022896
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004 A
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DISCHARGE MINE PORTAL
 - COTTONWOOD CREEK -

FACILITY
LOCATION
ATTN: C E SHINGLETON, DIR PERMITTING

MONITORING PERIOD
 FROM YEAR 88 MO 02 DAY 01 TO YEAR 88 MO 02 DAY 29
 (20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

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		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
FLOW RATE		NO DISCHARGE			*****	*****	*****			
00056 1 0 0 EFFLUENT GROSS VALUE PH	PERMIT REQUIREMENT	REPORT 30 DA AV	REPORT DAILY MX	GPD	*****	*****	*****	****	ONCE/ MONTH	MEASRD
00400 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	****	6.5 DAILY MN	*****	9.0 DAILY MX	SU	ONCE/ MONTH	GRAB
SOLIDS, TOTAL SUSPENDED 00530 0 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	*****	*****	****	*****	*****	70 DAILY MX	MG/L	TWICE/ MONTH	GRAB
SOLIDS, TOTAL SUSPENDED 00530 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	****	*****	25 30 DA AV	35 MX 7D AV	MG/L	TWICE/ MONTH	GRAB
OIL AND GREASE FREON EXTR-GRAV METH 00556 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	REPORT DAILY MN	*****	10 DAILY MX	MG/L	ONCE/ MONTH	GRAB
IRON, TOTAL (AS FE) 01045 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	****	*****	REPORT 30 DA AV	2.0 DAILY MX	MG/L	ONCE/ MONTH	GRAB
SOLIDS, TOTAL DISSOLVED (MG/L) 70295 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT 30 DA AV	1000 DAILY MX	MG/L	ONCE/ MONTH	GRAB

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TELEPHONE: 801 687-9821
 DATE: 88 04 08
 AREA CODE: 801 NUMBER: 687-9821 YEAR: 88 MO: 04 DAY: 08

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM OTHER THAN TRACE AMOUNTS. NO DISCHARGE SANITARY WASTE. IF DISCHARGE INTERMITTENT, REPORT DURATION OF DISCHARGE. BIOMONITORING TO BE CONDUCTED AT EIGHT

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME UTAH POWER AND LIGHT CO (WILBE
ADDRESS P O BOX 899
SALT LAKE CITY UT 84110

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

UT0022896 **004 A**
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DISCHARGE MINE PORTAL
 - COTTONWOOD CREEK -

FACILITY
LOCATION
ATTN: C E SHINGLETON, DIR PERMITTING

MONITORING PERIOD
 FROM **88 03 01** TO **88 03 31**
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		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
FLOW RATE										
00056 1 0 0 EFFLUENT GROSS VALUE	NO DISCHARGE	REPORT	REPORT	GPD	*****	*****	*****		ONCE/MONTH	MEASRD
PH		*****	*****			*****				
00400 1 0 0 EFFLUENT GROSS VALUE		*****	*****	****	6.5	*****	9.0		ONCE/MONTH	GRAB
SOLIDS, TOTAL SUSPENDED		*****	*****		*****	*****				
00530 0 0 0 SEE COMMENTS BELOW		*****	*****	****	*****	*****	70		TWICE/MONTH	GRAB
SOLIDS, TOTAL SUSPENDED		*****	*****		*****	*****				
00530 1 0 0 EFFLUENT GROSS VALUE		*****	*****	****	*****	25	35		TWICE/MONTH	GRAB
OIL AND GREASE		*****	*****		*****	*****				
FREON EXTR-GRAY METH		*****	*****	****	REPORT	*****	10		ONCE/MONTH	GRAB
00556 1 0 0 EFFLUENT GROSS VALUE		*****	*****	****	DAILY MN	*****	DAILY MX	MG/L		
IRON, TOTAL (AS FE)		*****	*****		*****	*****				
01045 1 0 0 EFFLUENT GROSS VALUE		*****	*****	****	*****	REPORT	2.0		ONCE/MONTH	GRAB
SOLIDS, TOTAL DISSOLVED (MG/L)		*****	*****		*****	*****				
70295 1 0 0 EFFLUENT GROSS VALUE		*****	*****	****	*****	REPORT	1000		ONCE/MONTH	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
J. Brett Harvey, Manager
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 DATE 88 04 08
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**Utah
power**

& LIGHT COMPANY
MINING DIVISION

Field Office

P. O. Box 1005

Huntington, UT 84528

(801) 653-2312

(801) 653-2318

January 4, 1988

Patrick Godsil, Chief
Permits Administration, Compliance Branch
U.S. Environmental Protection Agency, Region VIII
999 18th Street (8WM-C)
Denver Place, Suite 500
Denver, CO 80202-2405

-and-

Mr. Steve McNeil
Utah State Department of Health
Division of Environmental Health
Bureau of Water Pollution Control
P. O. Box 16690
288 North 1460 West
Salt Lake City, UT 84116-0690

Re: Wilberg Coal Mine, Emery County, Utah
NPDES Permit UT-0022896-003A

Gentlemen:

This letter is written notification that NPDES permit UT-0022896-003A (Wilberg Mine - Sediment Pond) has exceeded its stated effluent limitation.

The recent discharge from the pond was measured at a flow rate of 8 gallons per minute wherein the TDS was analyzed and reported at 4329 mg/l. The discharge coincides with the parameters outlined in our application to modify this permit.

The sample also indicated out-of-compliance oil and grease content of 41.0 mg/l. Upon delivery to the laboratory for analysis the lid on the sample container was discovered to contain several cracks. Viewing this as a possible source of contamination, a second sample was collected with similar results (39 mg/l). (See attachments.) The oil and grease problem arises during winter months when ice on the pond causes the water

SEVERAL 4-6
INDIVIDUAL PACKERS
[HYDROLOGIC CONS.
DRAW DOWN TEST
SEPTEMBER
ROAD RUN OFF
(TIPPLE WASH OFF
ROCK DUST
SIPAHON 2 FT
TOXIC (BIO-MONITORING)
MINE DISCHARGE

Patrick Godsil, Chief
Mr. Steve McNeil
January 4, 1988
Page 2

level to be forced down to the water discharge siphon point. To alleviate this situation, an extension will be added to the siphon pipe as soon as possible. Additional samples will be collected to assure that the extension eliminates this problem.

If you have any questions, please call me.

Sincerely,



Charles A. Semborski
Senior Geologist/Hydrologist

RC/CAS/sh/1003

Enclosures

cc: R. Christensen
J. Hislop
M. Moon
V. Payne
C. Sudweeks, Bureau of Water Pollution Control
~~DOGM~~ - Hydrologist



COMMERCIAL TESTING & ENGINEERING CO.

GENERAL OFFICES: 1919 SOUTH HIGHLAND AVE., SUITE 210-B, LOMBARD, ILLINOIS 60148 • (312) 953-9300

Member of the SGS Group (Société Générale de Surveillance)

PLEASE ADDRESS ALL CORRESPONDENCE TO:
P.O. BOX 1020, HUNTINGTON, UT 84528
TELEPHONE: (801) 653-2311

December 22, 1987

Job No.: 9082

Sample ID:

Date Rec'd: December 16, 1987

WILBERG SEDIMENT POND

Date Sampled: December 15, 1987

Discharge

15:25 hr.

Sampled By: UP&L

Temp 32

Flow 8.06 gpm.

UTAH POWER & LIGHT CO.
P.O. Box 1005
Huntington, Utah 84528

WATER ANALYSIS

Acidity 12/16/87	68 mg/l CaCO ₃	Magnesium 12/17/87	71.10 mg/l
Alk., Carbonate 12/16/87	<1 mg/l CaCO ₃	Manganese 12/21/87	0.04 mg/l
Alk., Total 12/16/87	250 mg/l CaCO ₃	Oil and Grease 12/17/87	41.0 mg/l
Anions, Total	78.10 meq/l	pH 12/16/87	7.96 Units
Calcium 12/17/87	314.9 mg/l	Potassium 12/17/87	7.94 mg/l
Cations, Total	80.18 meq/l	Sodium 12/17/87	1358.00 mg/l
Chloride 12/17/87	2200.0 mg/l	Solids, Dissolved 12/21/87	4329.0 mg/l
Conductivity 12/16/87	6500 umhos/cm	Solids, Settleable 12/16/87	<1.0 mg/l
Hardness, Total 12/21/87	1079 mg/l CaCO ₃	Solids, Suspended 12/21/87	17.0 mg/l
Iron 12/17/87	0.23 mg/l	Sulfate 12/17/87	554.0 mg/l
Iron, Dissolved 12/22/87	0.04 mg/l		

RECEIVED

DEC 22 1987

ANALYST: *MU*

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

MINING DIV.
FIELD OFFICE

MU
Manager, Huntington Laboratory



SINCE 1908

COMMERCIAL TESTING & ENGINEERING CO.

GENERAL OFFICES: 1919 SOUTH HIGHLAND AVE., SUITE 210-B, LOMBARD, ILLINOIS 60148 • (312) 953-9300

Member of the SGS Group (Société Générale de Surveillance)

PLEASE ADDRESS ALL CORRESPONDENCE TO:
P.O. BOX 1020, HUNTINGTON, UT 84528
TELEPHONE: (801) 653-2311

December 30, 1987

Job No.: 9085

Sample ID:

Date Rec'd: December 29, 1987

WILBERG MINE
Sediment Pond
14:00 hr.

Date Sampled: December 29, 1987

Sampled By: UP&L

UTAH POWER & LIGHT CO.
P.O. Box 1005
Huntington, Utah 84528

WATER ANALYSIS

Oil and Grease 39.0 mg/l
12/30/87

RECEIVED

DEC 30 1987

MINING DIV.
FIELD OFFICE

ANALYST: _____

D. Lyon

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

W. L. L.

Manager, Huntington Laboratory

Original Copy Watermarked
For Your Protection

OVER 40 BRANCH LABORATORIES STRATEGICALLY LOCATED IN PRINCIPAL COAL MINING AREAS.

**Utah
power**
& LIGHT COMPANY
MINING DIVISION
P.O. Box 310
Huntington, Utah 84528

January 18, 1988

RECEIVED
JAN 25 1988

DIVISION OF
OIL, GAS & MINING

Patrick Godsil, Chief
Permits Administration, Compliance Branch
U. S. Environmental Protection Agency, Region VIII
999 18th Street (8WM-C)
Denver Place, Suite 500
Denver, CO 80202-2405

and

Frederick C. Pehrson, P.E.
Chief, Permits and Compliance Section
Bureau of Water Pollution Control
P. O. Box 16690
288 North 1460 West
Salt Lake City, UT 84116-0690

Gentlemen:

Enclosed are the quarterly Discharge Reports for the Deer Creek, Des-Bee-Dove, and Wilberg (001-004) Mines for the fourth quarter of 1987.

As noted on the reports, discharges did occur from the Wilberg Mine sites 003 and 004. Wilberg Sediment Pond (003) discharge rates have been monitored to coincide with the one ton per day limit.

The December Wilberg Mine Sediment Pond sample indicated out-of-compliance oil and grease content of 41.0 mg/l. Upon delivery to the laboratory for analysis the lid on the sample container was discovered to contain several cracks. Viewing this as a possible source of contamination, a second sample was collected with similar results (39 mg/l). The oil and grease problem arises during winter months when ice on the pond causes the water level to be forced down to the water discharge siphon

Patrick Godsil, Chief
Frederick C. Pehrson, P.E.
January 18, 1988
Page 2

point. To alleviate this situation an extension will be added to the siphon pipe as soon as possible. Additional samples will be collected to assure that the extension eliminates this problem.

Sincerely,



Ray Christensen
Permitting and Compliance

RC/CAS/sh/1020

Enclosures

cc: J. Hislop
M. Moon
V. Payne
C. Semborski
C. Sudweeks
DOGM-Hydrologist

**utah
power**
& LIGHT COMPANY
MINING DIVISION
P.O. Box 310
Huntington, Utah 84528

December 10, 1987

RECEIVED
DEC 17 1987

Patrick Godsil, Chief
Permits Administration, Compliance Branch
U.S. Environmental Protection Agency, Region VIII
999 18th Street (8WM-C)
Denver Place, Suite 500
Denver, CO 80202-2405

DIVISION OF
OIL, GAS & MINING

-and-

Mr. Steve McNeil
Utah State Department of Health
Division of Environmental Health
Bureau of Water Pollution Control
P. O. Box 16690
288 North 1460 West
Salt Lake City, UT 84116-0690

Re: Wilberg Coal Mine, Emery County, Utah
NPDES Permit UT-0022896-003A

Gentlemen:

This letter is written notification that NPDES permit UT-0022896-003A (Wilberg Mine - Sediment Pond) has exceeded its stated effluent limitation.

The recent discharge from the pond was measured at a flow rate of 12 gallons per minute wherein the TDS was analyzed and reported at 1292 mg/l. The sample analysis is attached. The discharge coincides with the parameters outlined in our application to modify this permit.

If you have any questions, please call me at (801) 687-9821.

Sincerely,



Ray Christensen
Permitting & Compliance

RC/CAS/sh/1003
Enclosure

cc: M. Moon
J. Hislop
V. Payne
C. Semborski
C. Sudweeks, Bureau of Water Pollution Control
DOGM - Hydrologist*

COMMERCIAL TESTING & ENGINEERING CO.

GENERAL OFFICES: 1919 SOUTH HIGHLAND AVE., SUITE 210-B, LOMBARD, ILLINOIS 60148 • (312) 953-9300

Member of the SGS Group (Societe' Generale de Surveillance)

PLEASE ADDRESS ALL CORRESPONDENCE TO:
P.O. BOX 1020, HUNTINGTON, UT 84528
TELEPHONE: (801) 653-2311

December 07, 1987

Job No.: 9040
Date Rec'd: December 2, 1987
Date Sampled: November 30, 1987
Sampled By: UP&L

Sample ID:
WILBERG MINE
Sediment Pond
Temp 38
Flow 12 gpm.
14:00 hr.

UTAH POWER & LIGHT CO.
P.O. Box 1005
Huntington, Utah 84528

WATER ANALYSIS

Acidity 12/02/87	83 mg/l CaCO ₃	Magnesium 12/03/87	71.00 mg/l
Alk., Carbonate 12/02/87	<1 mg/l CaCO ₃	Manganese 12/03/87	0.06 mg/l
Alk., Total 12/02/87	250 mg/l CaCO ₃	Oil and Grease 12/03/87	2.8 mg/l
Anions, Total	32.45 meq/l	pH 12/02/87	7.51 Units
Calcium 12/03/87	255.0 mg/l	Potassium 12/03/87	4.16 mg/l
Cations, Total	36.91 meq/l	Sodium 12/03/87	424.00 mg/l
Chloride 12/02/87	560.0 mg/l	Solids, Dissolved 12/03/87	1292.0 mg/l
Conductivity 12/02/87	3150 umhos/cm	Solids, Setteable 12/03/87	<1.0 mg/l
Hardness, Total	929 mg/l CaCO ₃	Solids, Suspended 12/03/87	8.0 mg/l
Iron 12/03/87	<0.02 mg/l	Sulfate 12/03/87	566.0 mg/l
Iron, Dissolved 12/03/87	<0.02 mg/l		

ANALYST: *D. Iyox*

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

W U
Manager, Huntington Laboratory

OVER 40 BRANCH LABORATORIES STRATEGICALLY LOCATED IN PRINCIPAL COAL MINING AREAS,
TIDEWATER AND GREAT LAKES PORTS, AND RIVER LOADING FACILITIES

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME Utah Power & Light Company
ADDRESS Mining Division
P. O. Box 310
Huntington, UT 84528
FACILITY Wilberg Mine, Orangeville, UT
LOCATION _____

UT 0022896		001 A			
PERMIT NUMBER		DISCHARGE NUMBER			
MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
87	10	01	87	12	31
(20-21)	(22-23)	(24-25)	(26-27)	(28-29)	(30-31)

F - FINAL LIMITS
WILBERG MINE DISCH POINT 001

Attention: Ray Christensen

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)	
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				UNITS
pH 004000 1 0 Effluent Gross Value	PERMIT REQUIREMENT	6.5	9.0	SU	NO DISCHARGE				Once/Month	Grab	
Solids, Total Suspended 0000 1 0 Effluent Gross Value	PERMIT REQUIREMENT	*	*	*	*	*	25	70	Mg/l	Once/Month	Grab
Solids, Settleable 00545 1 0 Effluent Gross Value	PERMIT REQUIREMENT	*	*	*	*	*	0.5		Ml/l	Weekly	
Oil and Grease Freon Extr-Grav Meth 00556 1 0 Effluent Gross Value	PERMIT REQUIREMENT	*	*	*	*	*	10		Mg/l	Once/Month	Grab
Iron, Total (as FE) 01045 1 0 Effluent Gross Value	PERMIT REQUIREMENT	*	*	*	*	*	2.0		Mg/l	Once/Month	Grab
Flow, in Conduit or Thru Treatment Plant 50050 1 0 Effluent Gross Value	PERMIT REQUIREMENT	*	*	*	*	*			MGD	Once/Month	
Solids, Total Dissolved 70295 1 0 Effluent Gross Value	PERMIT REQUIREMENT	*	*	*	*	*	700		Mg/l	Once/Month	Grab

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
J. Brett Harvey/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.)

J.B. Harvey
by Ray Christensen
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE	DATE		
801 687-9821	88	01	18
AREA CODE	NUMBER	YEAR	MO DAY

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

NAME Utah Power & Light Company
 ADDRESS Mining Division
P. O. Box 310
Huntington, UT 84528
 FACILITY Wilberg Mine; Orangeville, UT
 LOCATION _____

UT 0022896
 PERMIT NUMBER

002 A
 DISCHARGE NUMBER

F - FINAL LIMITS
 WILBERG MINE DISCH POINT 002

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
87	10	01	87	12	31
(20-21)	(22-23)	(24-25)	(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45) (46-53) (34-61)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)		
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS					
pH 004000 1 0 Effluent Gross Value	PERMIT REQUIREMENT	6.5	9.0	SU	NO DISCHARGE					Once/Month	Grab		
Solids, Total Suspended 0000 1 0 Effluent Gross Value	PERMIT REQUIREMENT	*	*	*	*	*	*	*	25	70	Mg/l	Once/Month	Grab
Solids, Settleable 00545 1 0 Effluent Gross Value	PERMIT REQUIREMENT	*	*	*	*	*	*	*		0.5	ML/l	Weekly	
Oil and Grease Freon Extr-Grav Meth 00556 1 0 Effluent Gross Value	PERMIT REQUIREMENT	*	*	*	*	*	*	*		10	Mg/l	Once/Month	Grab
Iron, Total (as FE) 01045 1 0 Effluent Gross Value	PERMIT REQUIREMENT	*	*	*	*	*	*	*		2.0	Mg/l	Once/Month	Grab
Flow, in Conduit or Thru Treatment Plant 50050 1 0 Effluent Gross Value	PERMIT REQUIREMENT	*	*	*	*	*	*	*		*	*	Once/Month	
Solids, Total Dissolved 70295 1 0 Effluent Gross Value	PERMIT REQUIREMENT	*	*	*	*	*	*	*		700	Mg/l	Once/Month	Grab

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
J. Brett Harvey, 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.)

J.B. Harvey
by J. Christensen
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
801	687-9821	88	01	18
AREA CODE	NUMBER	YEAR	MO	DAY

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

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME Utah Power & Light Company
ADDRESS Mining Division
P. O. Box 310
Huntington, UT 84528
FACILITY Wilberg Mine; Orangeville, UT
LOCATION _____

(2-16)
UT 0022896
 PERMIT NUMBER

(17-19)
003A
 DISCHARGE NUMBER

F - FINAL LIMITS
 WILBERG MINE DISCH POINT 003

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
87	10	01	TO	87	12	31
(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (54-61)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
pH 004000 1 0 Effluent Gross Value		*****	*****	**	7.51	7.7	7.96			Once/Month	Grab
		PERMIT REQUIREMENT	6.5	9.0	SU	ONCE/GRAB			MONTH		
Solids, Total Suspended 00500 1 0 Effluent Gross Value		*****	*****	**	8.0	12.5	17.0			Once/Month	Grab
		PERMIT REQUIREMENT	*****	*****	**	25	70	Mg/l		Once/Month	Grab
Solids, Settleable 00545 1 0 Effluent Gross Value		*****	*****	**	*****	*****	*****			Weekly	
		PERMIT REQUIREMENT	*****	*****	**	*****	0.5	Ml/l			
Oil and Grease Freon Extr-Grav Meth 00556 1 0 Effluent Gross Value		*****	*****	**	2.8	27.6	41		2	Once/Month	Grab
		PERMIT REQUIREMENT	*****	*****	**	*****	10	Mg/l		Once/Month	Grab
Iron, Total (as FE) 01045 1 0 Effluent Gross Value		*****	*****	**	< 0.02	0.12	0.23			Once/Month	Grab
		PERMIT REQUIREMENT	*****	*****	**	*****	2.0	Mg/l		Once/Month	Grab
Flow, in Conduit or Thru Treatment Plant 50050 1 0 Effluent Gross Value		0.88 MILLION GALLONS TOTAL			**	*****	*****	**			
		PERMIT REQUIREMENT	*****	*****	MGD	*****	*****	**		Once/Month	
Solids, Total Dissolved 70295 1 0 Effluent Gross Value		*****	*****	**	1292	2811	4329		2	Once/Month	Grab
		PERMIT REQUIREMENT	*****	*****	**	*****	700	Mg/l		Once/Month	Grab

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
J. Brett Harvey/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.)

J. B. Harvey
by R. Christensen
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE
801 687-9821
 AREA CODE NUMBER
 DATE
88 01 18
 YEAR MO DAY

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

The TDS level combined with the discharge rate coincides with the one ton per day parameters outlined in our application to modify this permit. Pond discharged only during the months of November and December.

NAME Utah Power & Light Company
 ADDRESS Mining Division
P. O. Box 310
Huntington, UT 84528
 FACILITY Wilberg Mine: Orangeville, UT
 LOCATION _____

UT 0022896
 PERMIT NUMBER

004 A
 DISCHARGE NUMBER

F - FINAL LIMITS
 WILBERG MINE DISCH POINT 004

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
87	10	01	TO	87	12	31
(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45)			QUALITY OR CONCENTRATION (46-53)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE (54-61)	MAXIMUM (54-61)	UNITS (54-61)	MINIMUM (38-45)	AVERAGE (46-53)	MAXIMUM (46-53)	UNITS (46-53)					
pH 004000 1 0 Effluent Gross Value		*****	*****	**	7.44	7.44	7.44				Once/Month	Grab	
	PERMIT REQUIREMENT	6.5	9.0	SU	ONCE/GRAB			MONTH					
Solids, Total Suspended 00000 1 0 Effluent Gross Value		*****	*****	**	<1	<1	<1				Once/Month	Grab	
	PERMIT REQUIREMENT	*****	*****	**	***	25	70	Mg/l			Once/Month	Grab	
Solids, Settling 00545 1 0 Effluent Gross Value		*****	*****	**									
	PERMIT REQUIREMENT	*****	*****	**	***	***	0.5	Ml/l			Weekly		
Oil and Grease Freon Extr-Grav Meth 00556 1 0 Effluent Gross Value		*****	*****	**	<1.0	<1.0	<1.0				Once/Month	Grab	
	PERMIT REQUIREMENT	*****	*****	**	***	***	10	Mg/l			Once/Month	Grab	
Iron, Total (as FE) 01045 1 0 Effluent Gross Value		*****	*****	**	<0.05	<0.05	<0.05				Once/Month	Grab	
	PERMIT REQUIREMENT	*****	*****	**	***	***	2.0	Mg/l			Once/Month	Grab	
Flow, in Conduit or Thru Treatment Plant 50050 1 0 Effluent Gross Value		0.32 MILLION GALLONS TOTAL			***	***	***	**					
	PERMIT REQUIREMENT	*****	*****	MGD	***	***	***	**			Once/Month		
Solids, Total Dissolved 70295 1 0 Effluent Gross Value		*****	*****	**	413	413	413	--			Once/Month	Grab	
	PERMIT REQUIREMENT	*****	*****	**	***	***	700	Mg/l			Once/Month	Grab	

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
J. Brett Harvey/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 USC § 1001 AND 33 USC § 1319. Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.

J. B. Harvey
by R. Christensen
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: 801 687-9821
 DATE: 88 01 18
 AREA CODE NUMBER YEAR MO DAY

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

* Approximate duration of discharge = 15 days @ 15 GPM.

Facility Name/Location if different) Utah Power & Light Company
 ADDRESS Mining Division
P. O. Box 310
Huntington, UT 84528
 FACILITY Wilberg Mine: Orangeville, UT
 LOCATION _____

DISCHARGE MONITORING REPORT (DMR)

(2-16)

(17-19)

UT 0022896
 PERMIT NUMBER

001 A
 DISCHARGE NUMBER

FEDERAL LIMITS
 WILBERG MINE DISCHARGE POINT 001

OCT 30 1987

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
87	07	01	87	09	30
(20-21)	(22-23)	(24-25)	(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45)				FREQUENCY OF ANALYSIS (64-68)	SAMP TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS		
pH 004000 1 0 Effluent Gross Value	PERMIT REQUIREMENT	6.5	9.0	SU	NO DISCHARGE			MONTH	Once/ Month	Grab
Solids, Total Suspended 00530 1 0 Effluent Gross Value	PERMIT REQUIREMENT	***	***	**	***	***	***	Mg/1	Once/ Month	Grab
Solids, Settleable 00545 1 0 Effluent Gross Value	PERMIT REQUIREMENT	***	***	**	***	***	0.5	M1/1	Weekly	
Oil and Grease Freon Extr-Grav Meth 00556 1 0 Effluent Gross Value	PERMIT REQUIREMENT	***	***	**	***	***	10	Mg/1	Once/ Month	Grab
Iron, Total (as FE) 01045 1 0 Effluent Gross Value	PERMIT REQUIREMENT	***	***	**	***	***	2.0	Mg/1	Once/ Month	Grab
Flow, in Conduit or Thru Treatment Plant 50050 1 0 Effluent Gross Value	PERMIT REQUIREMENT	***	***	MGD	***	***	***	**	Once/ Month	
Solids, Total Dissolved 70295 1 0 Effluent Gross Value	PERMIT REQUIREMENT	***	***	**	***	***	700	Mg/1	Once/ Month	Grab

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

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.)

Brett Harvey/Manager
 TYPED OR PRINTED

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE 801 687-9821
 DATE 87 10 20
 AREA CODE NUMBER YEAR MO DAY

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

NAME Utah Power & Light Company
 ADDRESS Mining Division
P. O. Box 310
Huntington, UT 84528
 FACILITY Wilberg Mine: Orangeville, UT
 LOCATION _____
 Attn: Ray Christensen

UT 0022896
 PERMIT NUMBER

002 A
 DISCHARGE NUMBER

MONITORING PERIOD
 FROM YEAR MO DAY TO YEAR MO DAY
 87 07 01 TO 87 09 30
 (20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

RECEIVED
 FEDERAL LIMITS
 WILBERG MINE DISCH POINT 002
 OCT 30 1987

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT PERMIT REQUIREMENT	(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	MINIMUM	AVERAGE	MAXIMUM			
pH 004000 1 0 Effluent Gross Value	SAMPLE MEASUREMENT PERMIT REQUIREMENT	***	***	**	NO DISCHARGE				Once/Month	Grab
Solids, Total Suspended 00530 1 0 Effluent Gross Value	SAMPLE MEASUREMENT PERMIT REQUIREMENT	***	***	**	***	25	70	Mg/l	Once/Month	Grab
Solids, Settleable 00545 1 0 Effluent Gross Value	SAMPLE MEASUREMENT PERMIT REQUIREMENT	***	***	**	***	***	0.5	Ml/l	Weekly	
Oil and Grease Freon Extr-Grav Meth 00556 1 0 Effluent Gross Value	SAMPLE MEASUREMENT PERMIT REQUIREMENT	***	***	**	***	***	10	Mg/l	Once/Month	Grab
Iron, Total (as FE) 01045 1 0 Effluent Gross Value	SAMPLE MEASUREMENT PERMIT REQUIREMENT	***	***	**	***	***	2.0	Mg/l	Once/Month	Grab
Flow, in Conduit or Thru Treatment Plant 50050 1 0 Effluent Gross Value	SAMPLE MEASUREMENT PERMIT REQUIREMENT	***	***	MGD	***	***	***	**	Once/Month	
Solids, Total Dissolved 70295 1 0 Effluent Gross Value	SAMPLE MEASUREMENT PERMIT REQUIREMENT	***	***	**	***	***	700	Mg/l	Once/Month	Grab

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
 Brett Harvey/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 801 687-9821
 DATE 87 10 20
 AREA CODE NUMBER YEAR MO DAY

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

Facility Name/Location if different) Utah Power & Light Company
 NAME Utah Power & Light Company
 ADDRESS Mining Division
P. O. Box 310
Huntington, UT 84528
 FACILITY Wilberg Mine: Orangeville, UT
 LOCATION Orangeville, UT
 Attn: Ray Christensen

DISCHARGE MONITORING REPORT (DMR)

(2-16) UT 0022896 (17-19) 003 A
 PERMIT NUMBER DISCHARGE NUMBER

Form Approved OMB No. 158-R-0
RECEIVED
FINAL LIMITS
WILBERG MINE DISCHARGE POINT 003
OCT 30 1987

MONITORING PERIOD
 FROM YEAR 87 MO 07 DAY 01 TO YEAR 87 MO 09 DAY 30
 (20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
pH 004000 1 0 Effluent Gross Value		***	***	**	NO DISCHARGE					Once/Month	Grab
	PERMIT REQUIREMENT	6.5	9.0	SU	ONCE/GRAB					MONTH	
Solids, Total Suspended 00530 1 0 Effluent Gross Value		***	***	**						Once/Month	Grab
	PERMIT REQUIREMENT	***	***	**	***	25	70	Mg/l		Once/Month	Grab
Solids, Settleable 00545 1 0 Effluent Gross Value		***	***	**					--		
	PERMIT REQUIREMENT	***	***	**	***	***	0.5	Ml/l		Weekly	
Oil and Grease Freon Extr-Grav Meth 00556 1 0 Effluent Gross Value		***	***	**						Once/Month	Grab
	PERMIT REQUIREMENT	***	***	**	***	***	10	Mg/l		Once/Month	Grab
Iron, Total (as FE) 01045 1 0 Effluent Gross Value		***	***	**					--	Once/Month	Grab
	PERMIT REQUIREMENT	***	***	**	***	***	2.0	Mg/l		Once/Month	Grab
Flow, in Conduit or Thru Treatment Plant 50050 1 0 Effluent Gross Value					***	***	***	**			
	PERMIT REQUIREMENT	***	***	MGD	***	***	***	**		Once/Month	
Solids, Total Dissolved 70295 1 0 Effluent Gross Value		***	***	**						Once/Month	Grab
	PERMIT REQUIREMENT	***	***	**	***	***	700	Mg/l		Once/Month	Grab

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Brett Harvey/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 801 687-9821 DATE 87 10 20
 AREA CODE NUMBER YEAR MO DAY

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

Facility Name/Location if different)

NAME Utah Power & Light Company
 ADDRESS Mining Division
P. O. Box 310
Huntington, UT 84528
 FACILITY Wilberg Mine: Orangeville, UT
 LOCATION _____
 Attn: Ray Christensen

DISCHARGE MONITORING REPORT (DMR)
 (2-16) (17-19)

UT 0022896
 PERMIT NUMBER

004 A
 DISCHARGE NUMBER

RECEIVED
 FEDERAL LIMITS
 WILBERG MINE DISCHARGE POINT 004
 OCT 30 1987

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
87	07	01	87	09	30
(20-21)	(22-23)	(24-25)	(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT	(3 Card Only) (46-53) QUANTITY OR LOADING (54-61)			(4 Card Only) (38-43) QUALITY OR CONCENTRATION (46-53) (54-61)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
pH 004000 1 0 Effluent Gross Value		***	***	**	6.95	6.95	6.95	MONTH		Once/Month	Grab
	PERMIT REQUIREMENT	6.5	9.0	SU	ONCE/GRAB						
Solids, Total Suspended 00530 1 0 Effluent Gross Value		***	***	**	<4	<4	<4	Mg/1		Once/Month	Grab
	PERMIT REQUIREMENT	***	***	**	***	25	70			Once/Month	Grab
Solids, Settleable 00545 1 0 Effluent Gross Value		***	***	**				M1/1		Weekly	
	PERMIT REQUIREMENT	***	***	**	***	***	0.5				
Oil and Grease Freon Extr-Grav Meth 00556 1 0 Effluent Gross Value		***	***	**	<0.5	<0.5	<0.5	Mg/1		Once/Month	Grab
	PERMIT REQUIREMENT	***	***	**	***	***	10			Once/Month	Grab
Iron, Total (as FE) 01045 1 0 Effluent Gross Value		***	***	**	0.10	0.10	0.10	Mg/1		Once/Month	Grab
	PERMIT REQUIREMENT	***	***	**	***	***	2.0			Once/Month	Grab
Flow, in Conduit or Thru Treatment Plant 50050 1 0 Effluent Gross Value		0.54 MILLION GALLONS TOTAL			***	***	***	**			
	PERMIT REQUIREMENT	***	***	MGD	***	***	***	**		Once/Month	
Solids, Total Dissolved 70295 1 0 Effluent Gross Value		***	***	**	685	685	685	Mg/1		Once/Month	Grab
	PERMIT REQUIREMENT	***	***	**	***	***	700			Once/Month	Grab

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
 Brett Harvey/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 801 687-9821
 DATE 87 10 20
 AREA CODE NUMBER YEAR MO DAY

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

**utah
power**

& LIGHT COMPANY
MINING DIVISION
P.O. Box 310
Huntington, Utah 84528

RECEIVED
JUL 23 1987

DIVISION OF
OIL, GAS & MINING

July 14, 1987

Mr. Patrick Godsil, Chief
Permits Administration, Compliance Branch
U. S. Environmental Protection Agency, Region VIII
999 18th Street (8WM-C)
Denver Place, Suite 500
Denver, CO 80202-2405

-and-

Mr. Steve McNeil
Utah State Department of Health
Division of Environmental Health
Bureau of Water Pollution Control
P. O. Box 16690
288 North 1460 West
Salt Lake City, UT 84116-0690

Re: Wilberg Coal Mine, Emery County, Utah
NPDES Permit UT-0022896-004A

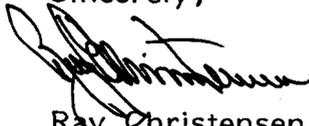
Gentlemen:

This letter is written notification that NPDES permit UT-0022896-004A (Wilberg Mine Discharge - Miller Canyon Breakout) has exceeded its stated effluent limitation.

The recent discharge from the pond was measured at a flow rate of 10-15 gallons per minute wherein the TDS was analyzed and reported at 703 mg/l. The sample analysis is attached. The discharge coincides with the parameters outlined in our application to modify this permit.

If you have any questions, please call me at (801) 687-9821.

Sincerely,



Ray Christensen
Permitting
Mining Division

RC/CAS/sh/899
Enclosure

cc: D. Baker
J. Hislop
C. Semborski
C. Sudweeks
V. Payne
DOGM - Hydrologist

COMMERCIAL TESTING & ENGINEERING CO.

GENERAL OFFICES: 1919 SOUTH HIGHLAND AVE., SUITE 210-B, LOMBARD, ILLINOIS 60148 • (312) 953-9300



SINCE 1908

Member of the SGS Group (Société Générale de Surveillance)

PLEASE ADDRESS ALL CORRESPONDENCE TO:
P.O. BOX 1020, HUNTINGTON, UT 84528
TELEPHONE: (801) 653-2311

Lab ID: 59-8916
Date Rec'd: 6-30-87
Date Sampled: 6-29-87
Time Sampled: 1300
Client: Utah Power & Light
Temp: 52° Flow: 10-15 GPM est.

Sample ID: Miller Canyon Breakout

Water Analysis Report

Acidity	< 1	mg/l CaCO ₃	Aluminum		mg/l
Alkalinity, Total 7-1	237	mg/l CaCO ₃	Arsenic		mg/l
Alkalinity, Bicarbonate	289	mg/l CaCO ₃	Barium		mg/l
Alkalinity, Carbonate	< 1	mg/l CaCO ₃	Beryllium		mg/l
Chloride		mg/l	Boron		mg/l
Coliform, Fecal		MPN/100 ml	Cadmium		mg/l
Coliform, Total		MPN/100 ml	Calcium 7-1	94	mg/l
Conductivity 7-1	980	umhos/cm	Chromium		mg/l
Fluoride		mg/l	Copper		mg/l
Hardness, Total 7-1	520	mg/l CaCO ₃	Iron 7-6	0.66	mg/l
Nitrogen, Ammonia		mg/l	Lead 7-1		mg/l
Nitrogen, Nitrate		mg/l	Magnesium 7-6	69.3	mg/l
Nitrogen, Nitrite		mg/l	Manganese 7-6	0.03	mg/l
Oil & Grease 7-1	1.2	mg/l	Mercury		ug/l
pH 6-30	7.70	Units	Nickel 7-6		mg/l
Phosphorus, Ortho		mg/l	Potassium	9.1	mg/l
Phosphorus, Total		mg/l	Selenium		mg/l
Solids, Total Dissolved 7-1	703	mg/l	Silica		mg/l
Solids, Total Suspended 7-1	31	mg/l	Silver 7-6		mg/l
Sulfate 7-6	330	mg/l	Sodium	35	mg/l
Sulfide		mg/l	Vanadium		mg/l
Turbidity		NTU	Zinc		mg/l
*Dissolved Oxygen 7-1	6.45	mg/l	Dissolved Iron 7-6	0.22	mg/l

Comments: *Delay in analysis due to question on sample's origin and parameters needed

Analyst: *Sharon Reiter*

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

[Signature]
Manager, Huntington Laboratory

Facility Name/Location if different) **Utah Power & Light Company**
NAME Mining Division, Annex I
ADDRESS P.O. Box 899
 Salt Lake City, UT 84110
FACILITY Wilberg Mine: Orangeville, UT
LOCATION Attn: Chris Shingleton

DISCHARGE MONITORING REPORT (DMR)
 (2-16) **UT 0022896** (17-19) **004 A**
 PERMIT NUMBER DISCHARGE NUMBER
 MONITORING PERIOD
 FROM YEAR MO DAY TO YEAR MO DAY
 87 01 01 TO 86 3 31
 (20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

OMB No. 158-R00
F - FINAL LIMITS
WILBERG MINE DISCH POINT 004

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45) (46-53)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
pH		***	***	**	NO DISCHARGE						
004000 1 0 Effluent Gross Value	PERMIT REQUIREMENT	6.5	9.0	SU	ONCE/GRAB						MONTH
Solids, Total Suspended	SAMPLE MEASUREMENT	***	***	**							
00530 1 0 Effluent Gross Value	PERMIT REQUIREMENT	***	***	**	***	25	70	Mg/l		Once/ Month	Grab
Solids, Settleable	SAMPLE MEASUREMENT	***	***	**	***						
00545 1 0 Effluent Gross Value	PERMIT REQUIREMENT	***	***	**	***	***	0.5	Ml/l		Weekly	
Oil and Grease	SAMPLE MEASUREMENT	***	***	**							
Freon Extr-Grav Meth	PERMIT REQUIREMENT	***	***	**	***	***	10	Mg/l		Once/ Month	Grab
00556 1 0 Effluent Gross Value	SAMPLE MEASUREMENT	***	***	**							
Iron, Total (as FE)	PERMIT REQUIREMENT	***	***	**	***	***	2.0	Mg/l		Once/ Month	Grab
01045 1 0 Effluent Gross Value	SAMPLE MEASUREMENT	***	***	**	***	***	***	**			
Flow, in Conduit or Thru Treatment Plant	PERMIT REQUIREMENT	***	***	MGD	***	***	***	**		Once/ Month	Grab
50050 1 0 Effluent Gross Value	SAMPLE MEASUREMENT	***	***	**							
Solids, Total Dissolved	PERMIT REQUIREMENT	***	***	**	***	***	700	Mg/l		Once/ Month	Grab
70295 1 0 Effluent Gross Value	SAMPLE MEASUREMENT	***	***	**							

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Dean L. Bryner/Vice President
 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.)

Chris Shingleton
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE DATE
 801 535-4225 87 04 24
 AREA CODE NUMBER YEAR MO DAY

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

Facility Name/Location (if different)
Utah Power & Light Company
 ADDRESS **Mining Division, Annex 1**
P.O. Box 899
Salt Lake City, UT 84110
 FACILITY **Wilberg Mine; Orangeville, UT**
 LOCATION **Attn: Chris Shingleton**

DISCHARGE MONITORING REPORT (DMR)
 (2-16) (17-19)
 UT 0022896 003 A
 PERMIT NUMBER DISCHARGE NUMBER
 MONITORING PERIOD
 FROM YEAR MO DAY TO YEAR MO DAY
 87 01 01 TO 87 3 31
 (20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

OMB No. 158-R007
 F - FINAL LIMITS
 WILBERG MINE DISCH POINT 003

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT / PERMIT REQUIREMENT	(3 Card Only) QUANTITY OR LOADING (46-53) (54-61)			(4 Card Only) QUALITY OR CONCENTRATION (38-43) (46-53) (54-61)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
pH	SAMPLE MEASUREMENT	***	***	**	7.35	7.62	7.89			Once/	Grab
004000 1 0 Effluent Gross Value	PERMIT REQUIREMENT	6.5	9.0	SU	ONCE/GRAB			MONTH			
Solids, Total Suspended	SAMPLE MEASUREMENT	***	***	**	29	42.8	57		3	Once/	Grab
00530 1 0 Effluent Gross Value	PERMIT REQUIREMENT	***	***	**	***	25	70	Mg/1		Once/	Grab
Solids, Settleable	SAMPLE MEASUREMENT	***	***	**	<0.1	<0.1	<0.1				
00545 1 0 Effluent Gross Value	PERMIT REQUIREMENT	***	***	**	***	***	0.5	MI/1		Weekly	
Oil and Grease	SAMPLE MEASUREMENT	***	***	**	<2.0	13.3	35.8		1	Once/	Grab
Freon Extr-Grav Meth	PERMIT REQUIREMENT	***	***	**	***	***	10	Mg/1		Once/	Grab
00556 1 0 Effluent Gross Value	SAMPLE MEASUREMENT	***	***	**	0.20	0.24	0.28			Once/	Grab
Iron, Total (as FE)	PERMIT REQUIREMENT	***	***	**	***	***	2.0	Mg/1		Once/	Grab
01045 1 0 Effluent Gross Value	SAMPLE MEASUREMENT	***	***	**	***	***	***	**			
Flow, in Conduit or Thru Treatment Plant	PERMIT REQUIREMENT	***	***	MGD	***	***	***	**		Once/	Grab
50050 1 0 Effluent Gross Value	SAMPLE MEASUREMENT	***	***	**	1,211	2,665	3,584		3	Once/	Grab
Solids, Total Dissolved	PERMIT REQUIREMENT	***	***	**	***	***	700	Mg/1		Once/	Grab
70295 1 0 Effluent Gross Value											

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Dean L. Bryner/Vice President
 TYPED OR PRINTED

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Chris Shingleton
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE NUMBER
801-535-4225
 DATE
87 04 24
 AREA CODE NUMBER YEAR MO DAY

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

Location if different)
Utah Power & Light Company
 ADDRESS Mining Division, Annex 1
P.O. Box 899
Salt Lake City, UT 84110
 FACILITY Wilberg Mine, Orangeville, UT
 LOCATION _____
 Attn: Chris Shingleton

DISCHARGE MONITORING REPORT (DMR)
 (2-16) (17-19)
 UT 0022896 002 A
 PERMIT NUMBER DISCHARGE NUMBER

OMB No. 158-R00
 F - FINAL LIMITS
 WILBERG MINE DISCH POINT 002

MONITORING PERIOD
 FROM YEAR MO DAY TO YEAR MO DAY
 87 01 01 TO 87 3 31
 (20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT PERMIT REQUIREMENT	(3 Card Only) QUANTITY OR LOADING (46-53) (34-61)			(4 Card Only) QUALITY OR CONCENTRATION (38-43) (46-53) (34-61)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPL TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
pH		***	***	**	NO DISCHARGE						
004000 1 0 Effluent Gross Value		6.5	9.0	SU	ONCE/GRAB					MONTH	
Solids, Total Suspended		***	***	**							
00530 1 0 Effluent Gross Value		***	***	**	***	25	70	Mg/l		Once/ Month	Grab
Solids, Settling		***	***	**							
00545 1 0 Effluent Gross Value		***	***	**	***	***	0.5	Ml/l		Weekly	
Oil and Grease		***	***	**							
Freon Extr-Grav Meth		***	***	**	***	***	10	Mg/l		Once/ Month	Grab
00556 1 0 Effluent Gross Value		***	***	**							
Iron, Total (as FE)		***	***	**							
01045 1 0 Effluent Gross Value		***	***	**	***	***	2.0	Mg/l		Once/ Month	Grab
Flow, in Conduit or Thru Treatment Plant					***	***	***	**			
50050 1 0 Effluent Gross Value		***	***	MGD	***	***	***	**		Once/ Month	Grab
Solids, Total Dissolved		***	***	**							
70295 1 0 Effluent Gross Value		***	***	**	***	***	700	Mg/l		Once/ Month	Grab

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
 Dean L. Bryner/Vice President
 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.)

CE Shingleton
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE
 801 535-4225
 AREA CODE NUMBER
 DATE
 87 04 24
 YEAR MO DAY

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

NAME Utah Power & Light Company
 ADDRESS Mining Division, Annex 1
P.O. Box 899
Salt Lake City, UT 84110
 FACILITY Wilberg Mine: Orangeville, UT
 LOCATION Attn: Chris Shingleton

(2-16) **UT 0022896**
 PERMIT NUMBER

(17-19) **001 A**
 DISCHARGE NUMBER

MONITORING PERIOD

YEAR	MO	DAY	TO	YEAR	MO	DAY
87	01	01		87	3	31
(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

F - FINAL LIMITS
 WILBERG MINE DISCH POINT 001

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT / PERMIT REQUIREMENT	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-43)				NO. EX. (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPL. TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
pH 004000 1 0 Effluent Gross Value	SAMPLE MEASUREMENT	***	***	**	NO DISCHARGE			***			
	PERMIT REQUIREMENT	6.5	9.0	SU	ONCE/GRAB			MONTH			
Solids, Total Suspended 00530 1 0 Effluent Gross Value	SAMPLE MEASUREMENT	***	***	**	***	***	***				
	PERMIT REQUIREMENT	***	***	**	***	25	70	Mg/l		Once/Month	Grab
Solids, Settleable 00545 1 0 Effluent Gross Value	SAMPLE MEASUREMENT	***	***	**	***	***	***				
	PERMIT REQUIREMENT	***	***	**	***	***	0.5	Ml/l		Weekly	
Oil and Grease Freon Extr-Grav Meth 00556 1 0 Effluent Gross Value	SAMPLE MEASUREMENT	***	***	**	***	***	***				
	PERMIT REQUIREMENT	***	***	**	***	***	10	Mg/l		Once/Month	Grab
Iron, Total (as FE) 01045 1 0 Effluent Gross Value	SAMPLE MEASUREMENT	***	***	**	***	***	***				
	PERMIT REQUIREMENT	***	***	**	***	***	2.0	Mg/l		Once/Month	Grab
Flow, in Conduit or Through Treatment Plant 50050 1 0 Effluent Gross Value	SAMPLE MEASUREMENT	***	***	**	***	***	***	**			
	PERMIT REQUIREMENT	***	***	**	***	***	***	**		Once/Month	Meter
Solids, Total Dissolved 70295 1 0 Effluent Gross Value	SAMPLE MEASUREMENT	***	***	**	***	***	***				
	PERMIT REQUIREMENT	***	***	**	***	***	700	Mg/l		Once/Month	Grab

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
 Dean L. Bryner/Vice President
 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.)

CE Shingleton
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: 801 535-4225
 AREA CODE NUMBER

DATE: 87 04 24
 YEAR MO DAY

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

**utah
power**
& LIGHT COMPANY
MINING DIVISION
P.O. Box 310
Huntington, Utah 84528

August 11, 1987

RECEIVED

AUG 13 1987

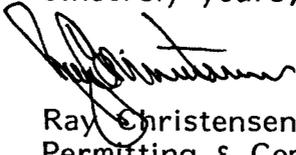
**DIVISION OF OIL
GAS & MINING**

Tom Munson, Division Hydrologist
UTAH STATE DIVISION OF OIL,
GAS & MINING
Department of Natural Resources
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, UT 84180-1203

Dear Tom:

Enclosed are the field data and supporting analysis and weather charts for the second quarter of 1987, including the month of July. Remember, these data are in raw form and are not intended to represent any hydrologic conclusions.

Sincerely yours,



Ray Christensen
Permitting & Compliance
Mining Division

RC/CAS/sh/911
Attachments

cc: Chuck Semborski, w/o attachments
Val Payne, w/attachments