



0005

STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Dr. G. A. (Jim) Shirazi, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

October 26, 1983

Mr. Allen D. Klein, Administrator
Western Technical Service Center
Office of Surface Mining
Brooks Towers
1020 15th Street
Denver, Colorado 80202
Attn: Ms. Shirley Lindsey

RE: Utah Power & Light Company
Subsidence Report for 1982
Des-Bee-Dove Mine
ACT/015/017, Folder No. 10
Deer Creek Mine
ACT/015/018, Folder No. 10
Wilberg Mine
ACT/015/019, Folder No. 10
Emery County, Utah

Dear Mr. Klein:

Enclosed please find three copies of Utah Power and Light Company's (UP & L) Subsidence report for the above referenced mines. They sent us only a limited number of copies, so if you need more copies please let us know and we will inform Utah Power & Light of your request.

Sincerely,

JAMES W. SMITH, JR.
COORDINATOR OF MINED
LAND DEVELOPMENT

JWS/gb

cc: Mary Boucek, DOGM
Cy Young, DOGM

Enclosures

UTAH POWER & LIGHT COMPANY

1407 WEST NORTH TEMPLE STREET
P. O. BOX 899
SALT LAKE CITY, UTAH 84110

October 19, 1983

File
ACT/015/017✓
ACT/015/018
ACT/015/019
Folder No. 10
To Cy for
distribution,
etc.

JIM

OCT 25 1983

Mr. James W. Smith, Jr.
State of Utah
Department of Natural Resources
Division of Oil, Gas & Mining
4241 State Office Building
Salt Lake City, Utah 84114

Dear Mr. Smith:

Enclosed are seven (7) copies of Utah Power & Light Company's Subsidence Monitoring Report for data collected on East Mountain through 1982.

Data is continually being collected, and in accordance with the submitted monitoring plan, will be sent to you annually.

Yours truly,

C. E. Shingleton

C. E. Shingleton
Director of Permitting,
Compliance & Services
Mining and Exploration

CES:BMcQ:bb:4113
Encl.

RECEIVED

OCT 20 1983

DIVISION OF
OIL, GAS & MINING



A SAVAGE BROTHERS COMPANY

April 26, 1983

File
ACT/015/017
Folder No. 3, (C)
Copy to Mary,
C. J. Shannon
Ken & Pam
APR 28 1983
Tom M. Wayne
DIVISION OF EV
OIL, GAS & MINING

JIM
MAY 2 1983

Pamela Grubaugh-Littig
Reclamation Engineer
Division of Oil, Gas
and Mining
State of Utah
4241 State Office Building
Salt Lake City, UT 84114

RE: Des-Bee Slope Failure

Dear Ms. Grubaugh-Littig:

Please find listed below the additional information requested in your letter of February 25, 1983.

The area involved in the failure is located just east of the Little Dove Mine entrances. Approximately 75' to 80' of a two tiered metal gravity binwall failed allowing the material behind it to slide down the mountain. Approximately 500 yards of dirt and gravel was involved in the slide. Part of this material has been removed from the immediate area and will be used as backfill on the permit area, the remaining amount was used as backfill on the Deseret portal liners.

It is assumed that saturation due to the wet winter and excess water off the Little Dove conveyor belt was the main contributing factor to the failure.

Diversion ditches were dug across the Little Dove yard to drain water away from the slope. The slope has been monitored since the failure on a regular basis to determine additional movement. No movement has been detected. Since the failure the Little Dove Mine has been shut down.

We are currently working on different alternatives as to how we plan to permanently stabilize the slope and put the mine back into operation. As yet no definite decision has been finalized.

Ms. Pamela Grubauch-Littig
April 26, 1983
Page 2

Should you have questions please contact me.

Sincerely,



Larry J. Guymon
Manager of Construction Engineering

LJG/bb

cc: Bill Zeller
Jim Hamlin
Morgan Moon
George Bell
Chris Shingleton



A SAVAGE BROTHERS COMPANY

File #10
ACT/015/017
Copy to Mary,
Tom M., Pam,
EV, Cy, Davel.
JIM

MAR 17 1983

February 25, 1983

State of Utah
Natural Resources & Energy
Division of Oil, Gas & Mining
4241 State Office Building
Salt Lake City, UT 84114

ATTENTION: JIM SMITH

Dear Jim:

As required by UMC 817.99 this letter is to inform the Division of a slope failure that occurred on February 15, 1983 at our Church Mine facilities.

A bin type retaining wall supporting a portion of the Little Dove yard area failed allowing material behind it to slide down the slope onto the Deseret yard. Immediate action to protect the safety of workman in the general area was put into effect. Cleanup and stabilization efforts began that day and finished the following day.

Dave Lof of the Division staff was notified the day it happened and visited the site the following day.

If you have further questions please notify me.

Sincerely,

Larry J. Guymon
Manager of Construction Engineering

LJG/bb

cc: Chris Shingleton
Bill Zeller
Jim Hamlin
Morgan Moon
George Bell

UTAH POWER & LIGHT COMPANY

1407 WEST NORTH TEMPLE STREET

P. O. BOX 899

SALT LAKE CITY, UTAH 84110

January 17, 1983

File
ACT/015/017 ✓
ACT/015/018-A
ACT/015/018-B

No. 10

Copy to Mary
& Pam & Wayne

JIM

JAN 18 1983

State of Utah
Department of Natural Resources
Division of Oil, Gas & Mining
4241 State Office Building
Salt Lake City, Utah 84114

Attention: Mr. James W. Smith, Jr.

Dear Mr. Smith:

In compliance with State and Federal regulations UMC 817.46(t), UMC 817.49(h) and 30 CFR 77.216-3, we submit the quarterly inspection reports for the sedimentation ponds at the Des-Bee-Dove, Wilberg and Deer Creek Mines for 1982.

Should you require any additional information, please advise.

Sincerely,



C. E. Shingleton
Director of Services
Mining and Exploration

CES:BMcQ:bb:3725
Encl.

cc: Larry Guymon

RECEIVED
JAN 18 1983

DIVISION OF
OIL, GAS & MINING



A SAVAGE BROTHERS COMPANY

January 10, 1983

RECEIVED

JAN 13 1983

MINING AND
EXPLORATION

Mr. Chris Shingleton
Director of Services
Mining and Exploration
Utah Power and Light Company
P. O. Box 899
Salt Lake City, UT 84110

Dear Chris:

Please find enclosed the Quarterly Sediment Pond Engineering Reports for 1982. These reports should be submitted to the Division of Oil, Gas and Mining as required by regulation.

Sincerely,

Larry J. Guymon
Manager of Construction Engineering

LJG/bb

Enclosures

RECEIVED

JAN 18 1983

DIVISION OF
OIL, GAS & MINING



A SAVAGE BROTHERS COMPANY

QUARTERLY ENGINEERING REPORT

DES-BEE SEDIMENT POND

1982

INTRODUCTION

This report is submitted in compliance with Federal and State Regulations.

UMC 817.46(t)
UMC 817.49(h)
30 CFR 77.216-3

STATEMENTS

Monitoring Procedures:

A series of six (6) check points have been established on the dam and abutments. Elevations are taken on these points during each quarterly inspection to monitor for settlement. They are listed below:

<u>Point</u>	<u>Baseline</u>	<u>1st Quarter</u>	<u>2nd Quarter</u>	<u>3rd Quarter</u>	<u>4th Quarter</u>
1	6775.43	6775.43	6775.57	6775.43	6775.43
2	6775.25	6775.24	6775.39	6775.25	6775.25
3	6775.44	6775.43	6775.58	6775.45	6775.45
4	6775.52	6775.51	6775.66	6775.52	6775.52
5	6775.83	6775.82	6775.96	6775.80	6775.80
6	6775.37	6775.37	6775.51	6775.33	6775.33

No settlement of these Control Points appeared throughout the year.



A SAVAGE BROTHERS COMPANY

QUARTERLY ENGINEERING REPORT

DEER CREEK SEDIMENT PONDS

1982

INTRODUCTION

This report is submitted in compliance with Federal and State Regulations.

UMC 817.46(t)
UMC 817.49(h)
30 CFR 77.216-3

STATEMENTS

Monitoring Procedures:

A series of four check points have been established on the dam and abutments. Elevations are taken on these points during each quarterly inspection as listed below to check for settlement:

<u>Point</u>	<u>Baseline</u>	<u>1st Quarter</u>	<u>2nd Quarter</u>	<u>3rd Quarter</u>	<u>4th Quarter</u>
1	7236.50	7236.49	7236.49	7236.48	7236.48
2	7236.54	7236.54	7236.55	7236.54	7236.54
3	7236.56	7236.56	7236.55	7236.55	7236.55
4	7235.96	7235.98	7235.97	7235.96	7235.96

No settlement has occurred during the year.

Elevations:

Design Depth	Top of Dam	7236.54
	Toe of Dam	7216.61

Impounded Water

<u>1st Quarter</u>	<u>2nd Quarter</u>	<u>3rd Quarter</u>	<u>4th Quarter</u>
7219.53	7219.35	7220.44	7220.44

Storage Capacity:

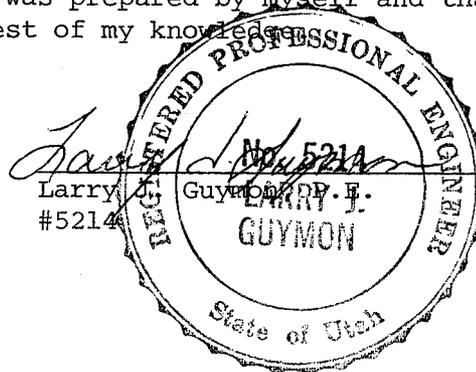
	<u>1st Quarter</u>	<u>2nd Quarter</u>	<u>3rd Quarter</u>	<u>4th Quarter</u>
Capacity	-	12.22 Ac.Ft.	12.22 Ac.Ft.	-
Sediment	-	.58 Ac.Ft.	.66 Ac.Ft.	-
Available	-	11.64 Ac.Ft.	11.56 Ac.Ft.	-

Ice covered the pond the 1st and 4th Quarter, therefore, no cross sections could be taken to determine capacity.

General:

Visual inspections were made during each quarterly inspection to check for erosion, structural weakness or other hazardous conditions; none were observed.

I do hereby certify that I am a Registered Professional Engineer in the State of Utah holding license #5214 and do also certify that the above report was prepared by myself and that it is true and correct to the best of my knowledge.



Larry J.
 #5214

Guymon, P. E.
 GUYMON

1-11-83
 Date



A SAVAGE BROTHERS COMPANY

QUARTERLY ENGINEERING REPORT

COTTONWOOD SEDIMENT PONDS

1982

INTRODUCTION

This report is submitted in compliance with Federal and State Regulations.

UMC 817.46(t)
 UMC 817.49(h)
 30 CFR 77.216-3

STATEMENTS

Monitoring Procedures:

A visual inspection of the three ponds is made each quarter to check for settlement; none has been observed during the year.

Storage Capacity:

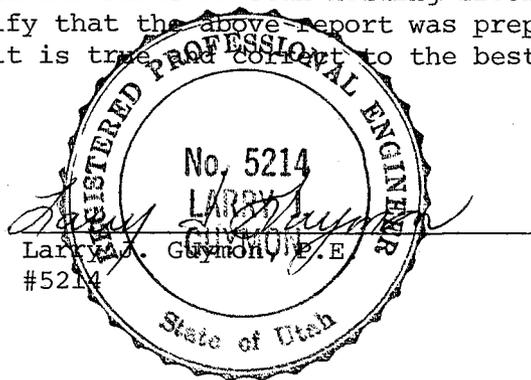
	<u>1st Quarter</u>	<u>2nd Quarter</u>	<u>3rd Quarter</u>	<u>4th Quarter</u>
SOUTH				
Capacity	37.8 Cu.Yd.	37.8 Cu.Yd.	37.8 Cu.Yd.	37.8 Cu.Yd.
Sediment	<u>0</u>	<u>0</u>	<u>10.0 Cu.Yd.</u>	<u>-</u>
Available	37.8 Cu.Yd.	37.8 Cu.Yd.	27.8 Cu.Yd.	-
CENTER				
Capacity	448.99 Cu.Yd.	448.99 Cu.Yd.	448.99 Cu.Yd.	448.99 Cu.Yd.
Sediment	<u>0</u>	<u>12.90 Cu.Yd.</u>	<u>15.00 Cu.Yd.</u>	<u>-</u>
Available	448.99 Cu.Yd.	436.09 Cu.Yd.	433.99 Cu.Yd.	-
NORTH				
Capacity	103.33 Cu.Yd.	103.33 Cu.Yd.	103.33 Cu.Yd.	103.33 Cu.Yd.
Sediment	<u>0</u>	<u>0</u>	<u>27.0</u>	<u>-</u>
Available	103.33 Cu.Yd.	103.33 Cu.Yd.	76.33 Cu.Yd.	-

Ponds were iced over during the 4th quarter inspection. The North and South Ponds were cleaned twice during the year.

General:

Visual inspections were made during each quarterly inspection to check for erosion, structural weakness or other hazardous conditions; none were observed.

I do hereby certify that I am a Registered Professional Engineer in the State of Utah holding license #5214 and do also certify that the above report was prepared by myself and that it is true and correct to the best of my knowledge.



1-11-83
Date



A SAVAGE BROTHERS COMPANY

QUARTERLY ENGINEERING REPORT

WILBERG SEDIMENT PONDS

1982

Introduction

This report is submitted in compliance with Federal and State Regulations.

UMC 817.46(t)
UMC 817.49(h)
30 CFR 77.216-3

Statements

Monitoring Procedures:

A series of six (6) check points have been established, 3 on each dam. Elevations are taken each quarter to help monitor settlement. They are listed below:

<u>Point</u>	<u>Baseline</u>	<u>1st Quarter</u>	<u>2nd Quarter</u>	<u>3rd Quarter</u>	<u>4th Quarter</u>
North 1	7367.83	7367.83	7367.83	7367.83	7367.83
North 2	7366.99	7367.03	7367.03	7367.03	7367.03
North 3	7366.89	7366.89	7366.89	7366.89	7366.89
South 1	7336.97	7337.07	7337.03	7337.06	7337.06
South 2	7338.49	7338.56	7338.56	7338.56	7338.56
South 3	7339.65	7339.65	7339.65	7339.65	7339.65

No settlement of these Control Points appeared throughout the year.

Elevations:

<u>Design Depth</u>	<u>Top of Dam</u>	<u>Toe of Dam</u>
North Pond	7365.22	7346.22
South Pond	7337.00	7318.00

<u>Impounded Water</u>	<u>1st Quarter</u>	<u>2nd Quarter</u>	<u>3rd Quarter</u>	<u>4th Quarter</u>
North Pond	7358.65	No Water	No Water	No Water
South Pond	7326.75	7325.49	7326.50	No Water

Storage Capacity:

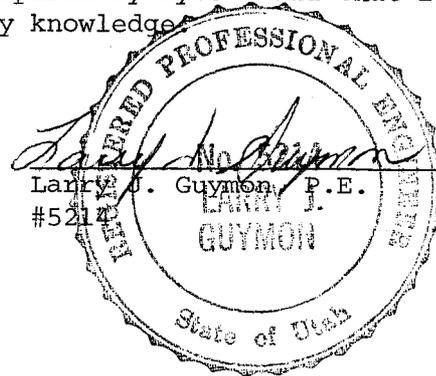
	<u>1st Quarter</u>	<u>2nd Quarter</u>	<u>3rd Quarter</u>	<u>4th Quarter</u>
NORTH POND				
Capacity	2.02 Ac.Ft.	2.02 Ac.Ft.	2.02 Ac.Ft.	2.02 Ac.Ft.
Sediment	<u>.55 Ac.Ft.</u>	<u>.71 Ac.Ft.</u>	<u>1.00 Ac.Ft.</u>	<u>0 Ac.Ft.</u>
Availability	1.47 Ac.Ft.	1.31 Ac.Ft.	1.02 Ac.Ft.	2.02 Ac.Ft.
SOUTH POND				
Capacity	1.34 Ac.Ft.	1.34 Ac.Ft.	1.34 Ac.Ft.	1.34 Ac.Ft.
Sediment	<u>.03 Ac.Ft.</u>	<u>.05 Ac.Ft.</u>	<u>.11 Ac.Ft.</u>	<u>0 Ac.Ft.</u>
Availability	1.31 Ac.Ft.	1.29 Ac.Ft.	1.23 Ac.Ft.	1.34 Ac.Ft.

General:

A visual inspection was made of the facility during each quarterly inspection for erosion or structural weakness. Some settlement was noticed of the North Dam left abutment on July 27th. Daily monitoring was conducted, no additional settlement was noticed. On August 27th a sink hole appeared on the left abutment. Maintenance work was begun immediately to by-pass the upper pond.

Engineering studies have been in process on a new design for the ponds for several months since August. On December 13th both ponds were cleaned out and the sinkhole was repaired at this time returning them to full operating capacity.

I do hereby certify that I am a Registered Professional Engineer in the State of Utah holding license #5214 and do also certify that the above report was prepared by myself and that it is true and correct to the best of my knowledge.



1-11-83
Date



STATE OF UTAH
NATURAL RESOURCES & ENERGY
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Cleon B. Feight, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

December 16, 1982

Mr. Reed Christensen, Supervisor
Manti-LaSal National Forest
599 West Price River Drive
Price, Utah 84501

RE: Subsidence Report
Utah Power & Light Co.
Deer Creek, Wilberg &
Des Bee Dove Mines
ACT/015/018A & B, ACT/015/017
Emery County, Utah

Dear Mr. Christensen:

Enclosed please find two copies of the above-referenced report for your records. Two copies of this report have been delivered to the Minerals Management Service in Salt Lake City and two copies have been sent to the Office of Surface Mining. Should you have any questions or comments regarding this report, please contact Mary Boucek or Cy Young of the Division staff.

Sincerely,

MARY M. BOUCEK
RECLAMATION BIOLOGIST

MMB/mn

cc: Jim Smith
Cy Young



STATE OF UTAH
NATURAL RESOURCES & ENERGY
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Cleon B. Feight, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

December 16, 1982

Mr. Allen Klein, Administrator
Western Technical Center
Office of Surface Mining
Brooks Towers
1020 Fifteenth Street
Denver, Colorado 80202
Attn: Mr. Floyd Johnson

RE: Subsidence Report
Utah Power & Light Co.
Deer Creek, Wilberg and
Des Bee Dove Mines
ACT/015/018A & B, ACT/015/017
Emery County, Utah

Dear Mr. Klein:

Enclosed please find two copies of Utah Power & Light Company's Subsidence Report for the East Mountain Area. Two copies of this report have been sent directly to the U.S. Forest Service, Manti LaSal National Forest and an additional two copies have been delivered to the Minerals Management Service in Salt Lake City. Should you have any questions or comments regarding this report, please contact Mary Boucek or Cy Young of the Division staff.

Sincerely,

MARY M. BOUCEK
RECLAMATION BIOLOGIST

MMB/mn

cc: Jim Smith
Cy Young

UTAH POWER & LIGHT COMPANY

1407 WEST NORTH TEMPLE STREET
P. O. BOX 899
SALT LAKE CITY, UTAH 84110

December 15, 1982

File
ACT/015/017
ACT/015/018A
ACT/015/018B
Copy to Mary
ECY

JIM

DEC 16 1982

State of Utah
Department of Natural Resources
Division of Oil, Gas and Mining
4241 State Office Building
Salt Lake City, Utah 84114

Attention: Mr. James W. Smith, Jr.

Dear Sir:

Enclosed are seven (7) copies of Utah Power & Light Company's Subsidence Report for data collected on East Mountain from 1980 to 1981. Included is a study of the surface subsidence east of the Wilberg Portal which was prepared on August 23, 1982, by the John T. Boyd Company.

Data is continually being collected and in accordance with the submitted monitoring plan will be sent to you annually.

Yours truly,



C. E. Shingleton
Director of Services
Mining and Exploration

CES:BMcQ:bb:3689
Encl.

RECEIVED

DEC 16 1982

**DIVISION OF
OIL, GAS & MINING**