

0016

File # 101-111
ACT/015/018-A
ACT/015/018-B

UTAH POWER & LIGHT COMPANY

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

JIM

JAN 13 1982

* Copy to Mary R.,
Joe, Wayne, Sally

January 12, 1982

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

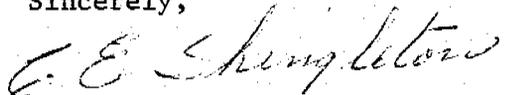
Attention: Mr. James W. Smith, Jr.

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 1981.

Should you require any additional information, please advise.

Sincerely,



C. E. Shingleton
Director of Service
Mining and Exploration

CES:BMcQ:bb:3263
Encl.

cc: Larry Guymon

QUARTERLY ENGINEERING REPORT

DESERET - BEEHIVE SEDIMENTATION POND

December 31, 1981

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

Monitoring Procedures: The seven control points were checked during
the inspection and no settlement or displacement has occurred.

Elevations:	Top of Dam:	6775.25
	Toe of Dam:	6756.00
	Top of Water:	6759.03

Existing Storage Capacity: Ice covered the pond so no cross-sections
were taken to determine storage capacity.

General: A visual inspection of the facility was made. No sign of
structural weakness was found.

I do hereby certify that I am a
registered Professional Engineer
in the State of Utah holding
current license #5214 and do also
certify that the above report is
true and correct to the best of
my knowledge.

Larry J. Guymon Date 12-31-81
Larry J. Guymon, P.E.
#5214

QUARTERLY ENGINEERING REPORT
DESERET - BEEHIVE SEDIMENTATION POND

October 31, 1981

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

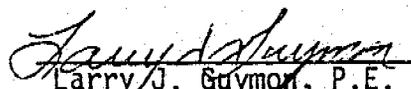
Monitoring Procedures: The seven control points were checked during the
inspection and no settlement or displacement has occurred.

Elevations: Top of Dam: 6775.25
Toe of Dam: 6756.00
Top of Water: 6758.96

Existing Storage Capacity: 19.08 acre feet

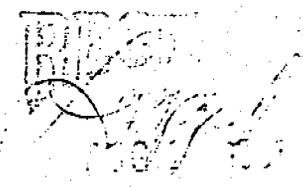
General: A visual inspection of the facility was made. No sign of
structural weakness was found. Some additional erosion has occurred
at the inlet to the pond. Maintenance work will be done to correct
this problem.

I do hereby certify that I am a
registered Professional Engineer
in the State of Utah holding
current license #5214 and do also
certify that the above report is
true and correct to the best of
my knowledge.

 Date 10-31-81
Larry J. Guymon, P.E.
#5214



A SAVAGE BROTHERS COMPANY



August 11, 1981

MINING AND
EXPLORATION

Don Dewey
Utah Power and Light Company
Mining and Exploration
1407 West North Temple
Salt Lake City, Utah 84110

Dear Don:

Enclosed please find the Engineering Reports for the Sediment Ponds for the quarter ending July 30, 1981.

Enclosed with this report is an amended report for the Deseret Pond. An error was made in the amount of existing storage capacity. No problems were noted during the inspections, however.

Sincerely,

Larry J. Guymon, P. E.
Manager - Engineering
and Construction

LJG/shn

QUARTERLY ENGINEERING REPORT

DESERET - BEEHIVE SEDIMENTATION POND

July 21, 1981

INTRODUCTION

This report is submitted in compliance with
Federal and State Regularions:

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

Monitoring Procedures: The seven control points were checked during the
inspection and no settlement or displacement has occurred.

Elevations:	Top of Dam:	6775.25
	Toe of Dam:	6756.00
	Top of Water:	6757.21

Existing Storage Capacity: 19.56 acre feet

General: A visual inspection of the facility was made. No sign of
structural weakness was found. Some additional errosion has occurred
at the inlet to the pond. Maintenance work will be done to correct
this problem.

I do hereby certify that I am a
registered Professional Engineer
in the State of Utah holding
current license #5214 and do also
certify that the above report is
true and correct to the best of
my knowledge.

Larry J. Guymon Date 7-21-81
Larry J. Guymon, P. E.
#5214

QUARTERLY ENGINEERING REPORT

DESERET - BEEHIVE SEDIMENTATION POND

July 21, 1981

Comments: This report is submitted as an amendment to the May 4, 1981 Report.

Existing Storage Capacity: Was listed as 18.98 acre feet; should have read 19.62 acre feet.

The rest of the report is accurate as reported.

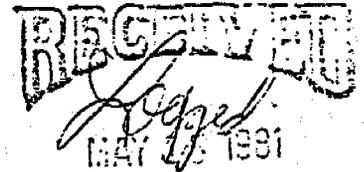
I do hereby certify that I am a registered Professional Engineer in the State of Utah holding current license #5214 and so also certify that the above report is true and correct to the best of my knowledge.

Larry J. Guymon Date 7-21-81
Larry J. Guymon, P. E.
#5214



A SAVAGE BROTHERS COMPANY

May 9, 1981



MINING AND
EXPLORATION

Mr. Don Dewey
UTAH POWER & LIGHT COMPANY
Mining & Exploration
1407 West North Temple
Salt Lake City, Utah 84110

Dear Don:

Enclosed please find the Engineering Reports for the Sediment Ponds for the quarter ending April 30th. During this inspection, the surveyors were able to cross-section all the ponds. The small amount of erosion noted at the Deseret-Beehive pond will be corrected as soon as possible.

If you have any questions, please contact me.

Sincerely,

Larry J. Guymon, P. E.
Project Engineer

Enclosures

LJG/lju

cc. File

QUARTERLY ENGINEERING REPORT

DESERET-BEEHIVE SEDIMENTATION POND

May 4, 1981

INTRODUCTION

This report is submitted in compliance with
Federal Regulations:

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

Monitoring Procedures: A series of seven points have been installed; five on the dam crest and two away from the dam which will be used as reference points. Coordinates and elevations have been established for each point. These were checked during the inspection and no settlement or displacement has occurred.

Elevations: Top Of Dam: 6775.25
Toe Of Dam: 6756.00
Top Of Water: 6758.14

Existing Storage Capacity: 18.98 Acre Feet

General: A visual inspection of the facility was made. No sign of structural weakness was found. Some erosion has occurred at the inlet to the pond. This will be repaired as soon as possible. No other hazardous conditions were noted.

I do hereby certify that I am a registered Professional Engineer in the State of Utah holding current license #5214 and do also certify that the above report is true and correct to the best of my knowledge

Larry J. Guymon
Larry J. Guymon, P.E.
#5214

Date 5-11-81

QUARTERLY ENGINEERING REPORT
DESERET-BEEHIVE SEDIMENTATION POND

INTRODUCTION

This report is submitted in compliance with federal regulations:

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

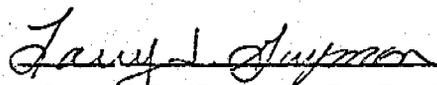
Monitoring Procedures: A series of seven points have been installed; five on the dam crest and two away from the dam which will be used as reference points. Coordinates and elevations have been established on each point. Four times per year these points will be checked to monitor any movement or settlement of the dam embankment.

Elevations: Top of dam: 6775.25
Upstream toe of dam: 6756.00
Top of impounded water: 6760.67

Existing Storage Capacity: Ice covered the pond at the time of the inspection, therefore, cross-sections were unattainable.

General: A visual inspection was made of the facility. No signs of structural weakness, erosion of other hazardous conditions were found; and no fires have occurred in the dam embankment or excess material piles.

I do hereby certify that I am a registered Professional Engineer in the State of Utah holding current license #5214 and do also certify that the above report is true and correct to the best of my knowledge.


Larry J. Guymon, P. E. #5214

QUARTERLY ENGINEERING REPORT
DEER CREEK SEDIMENTATION POND

December 31, 1981

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

Monitoring Procedures: The four monitoring points were checked during the inspection and no settlement or displacement has occurred.

Elevations: Top of Dam: 7236.54
Toe of Dam: 7216.61
Top of Impounded Water: 7218.39

Existing Storage Capacity: Ice covered the ponds, therefore, no cross-sections were taken.

General: A visual inspection of the facility was made. No signs of structural weakness, erosion or other hazardous conditions were found.

I do hereby certify that I am a registered Professional Engineer in the State of Utah holding current license #5214 and do also certify that the above report is true and correct to the best of my knowledge.

Larry J. Guymon Date 12-31-81
Larry J. Guymon, P.E.
#5214

QUARTERLY ENGINEERING REPORT
DEER CREEK SEDIMENTATION POND

October 31, 1981

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

Monitoring Procedures: The four monitoring points were checked during
the inspection and no settlement or displacement has occurred.

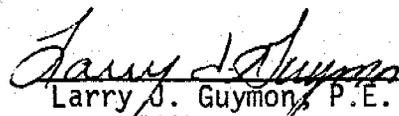
Elevations: Top of Dam: 7236.54
Toe of Dam: 7216.61
Top of Impounded Water: 7218.50

Existing Storage Capacity: 11.99 acre feet

General: A visual inspection of the facility was made. No signs of
structural weakness, erosion or other hazardous conditions were found.

Since the last quarterly inspection was made, some maintenance work
has been done in the under drain pipe.

I do hereby certify that I am a
registered Professional Engineer
in the State of Utah holding
current license #5214 and do also
certify that the above report is
true and correct to the best of
my knowledge.

 Date 10-31-81
Larry J. Guymon, P.E.
#5214

QUARTERLY ENGINEERING REPORT

DEER CREEK SEDIMENTATION POND

July 21, 1981

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

Monitoring Procedures: The four monitoring points were checked during the inspection and no settlement or displacement has occurred.

Elevations: Top of Dam: 7236.54
Toe of Dam: 7216.61
Top of Impounded Water: 7217.72.

Existing Storage Capacity: 12.15 acre feet

General: A visual inspection of the facility was made. No signs of structural weakness, erosion or other hazardous conditions were found.

Since the last quarterly inspection was made, some maintenance work has been done in the under drain pipe.

I do hereby certify that I am a registered Professional Engineer in the State of Utah holding current license #5214 and do also certify that the above report is true and correct to the best of my knowledge.

Larry J. Guymon Date 7-21-81
Larry J. Guymon, P. E.
#5214

QUARTERLY ENGINEERING REPORT

DEER CREEK SEDIMENTATION POND

May 4, 1981

INTRODUCTION

This report is submitted in compliance with
Federal Regulations:

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

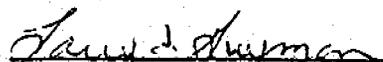
Monitoring Procedures: The four monitoring points were checked during
the inspection and no settlement or displacement has occurred.

Elevations: Top Of Dam: 7236.54
Toe Of Dam: 7216.61
Top Of Impounded Water: 7216.8

Existing Storage Capacity: 12.22 Acre Feet

General: A visual inspection of the facility was made. No signs of
structural weakness, erosion or other hazardous conditions were found.

I do hereby certify that I am a
registered Professional Engineer
in the State of Utah holding cur-
rent license #5214 and do also
certify that the above report is
true and correct to the best of
my knowledge.


Larry J. Guymon, P.E.
#5214

Date 5-11-81

QUARTERLY ENGINEERING REPORT

DEER CREEK SEDIMENTATION POND

INTRODUCTION

This report is submitted in compliance with federal regulations:

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

Monitoring Procedures: A series of five points have been established, four of which are located on the dam embankment and one adjacent to the dam for a reference point. Coordinates and elevations have been established on each point. Four times per year these points will be checked to monitor any movement or settlement of the dam embankment.

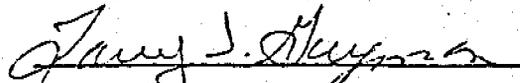
Elevations:

Top of dam:	7236.54
Upstream toe of dam:	7216.61
Top of impounded water:	7216.61

Existing Storage Capacity: Because of the ice cover on the pond, no cross-sections were attainable, therefore, the storage capacity is not available for this report.

General: A visual inspection was made of the facility. No signs of structural weakness, erosion or other hazardous conditions were found; and no fires have occurred in the dam embankment or excess material piles.

I do hereby certify that I am a registered Professional Engineer in the State of Utah holding current license #5214 and do also certify that the above report is true and correct to the best of my knowledge.


Larry J. Guymon, P. E. #5214

QUARTERLY ENGINEERING REPORT

WILBERG SEDIMENTATION POND

December 31, 1981

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

Monitoring Procedures: The ten control points were checked during the inspection and no settlement or displacement has occurred.

Elevations: North Pond
Top of Dam: 7365.22
Toe of Dam: 7346.22
Top of Impounded Water: 7360.84

South Pond
Top of Dam: 7337.00
Toe of Dam: 7318.00
Top of Impounded Water: 7325.75

Existing Storage Capacity: Ice covered the ponds so no cross-sections were taken.

General: A visual inspection was made of the facilities. The west abutment has continued to show signs of settlement. Less than an inch of settlement has developed. Visual checks and level checks are being done weekly to monitor the situation.

I do hereby certify that I am a registered Professional Engineer in the State of Utah holding current license #5214 and do also certify that the above report is true and correct to the best of my knowledge.

Larry J. Guymon Date 12-31-81
Larry J. Guymon, P.E.
#5214

QUARTERLY ENGINEERING REPORT
COTTONWOOD TEMPORARY SEDIMENTATION PONDS

December 31, 1981

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

Monitoring Procedures: A visual inspection of the three sites was
made; no settlement of the embankments or pond back slopes has occurred.

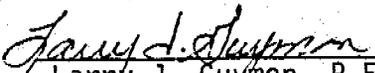
Existing Storage Capacity:

Pond #1 0.02 acre feet
Pond #2 0.28 acre feet
Pond #3 0.06 acre feet

No water was impounded in any of the ponds.

General: A visual check was made for structural weakness, erosion, or
other hazardous conditions. None existed.

I do hereby certify that I am a
registered Professional Engineer
in the State of Utah holding
current license #5214 and do also
certify that the above report is
true and correct to the best of
my knowledge.

 Date 12-31-81
Larry J. Guymon, P.E.
#5214

QUARTERLY ENGINEERING REPORT

WILBERG SEDIMENTATION POND

October 31, 1981

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

Monitoring Procedures: The ten control points were checked during the inspection and no settlement or displacement has occurred.

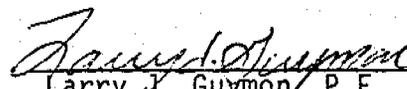
Elevations: North Pond
Top of Dam: 7365.22
Toe of Dam: 7346.22
Top of Impounded Water: 7359.90

South Pond
Top of Dam: 7337.00
Toe of Dam: 7318.00
Top of Impounded Water: 7326.4

Existing Storage Capacity: North Pond 1.47 acre feet
South Pond 1.31 acre feet

General: A visual inspection was made of the facilities. Some settlement cracks have developed along the West side of both ponds.

I do hereby certify that I am a registered Professional Engineer in the State of Utah holding current license #5214 and do also certify that the above report is true and correct to the best of my knowledge.

 Date 10-31-81
Larry J. Guymon, P.E.
#5214

QUARTERLY ENGINEERING REPORT
COTTONWOOD TEMPORARY SEDIMENTATION PONDS

October 31, 1981

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

Monitoring Procedures: A visual inspection of the three sites were
made; no settlement of the embankments or pond back slopes has occurred.

Existing Storage Capacity:

Pond #1 0.02 acre feet
Pond #2 0.28 acre feet
Pond #3 0.06 acre feet
No water was impounded in any of the ponds.

General: A visual check was made for structural weakness, erosion, or
other hazardous conditions. Some erosion was taking place on the
inlet to the #2 Pond. Necessary maintenance was completed.

I do hereby certify that I am a
registered Professional Engineer
in the State of Utah holding
current license #5214 and do also
certify that the above report is
true and correct to the best of
my knowledge.

Larry J. Guymon Date 10-31-81
Larry J. Guymon, P.E.
#5214

WILBERG SEDIMENTATION POND

July 21, 1981

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

Monitoring Procedures: The ten control points were checked during the inspection; no settlement or displacement has occurred.

Elevations: North Pond
Top of Dam 7365.22
Toe of Dam 7346.22
Top of Impounded Water 7358.3

South Pond
Top of Dam 7337.00
Toe of Dam 7318.00
Top of Impounded Water 7326.4

Existing Storage Capacity: North Pond 1.84 acre feet
South Pond 1.31 acre feet

General: A visual inspection was made of the facilities. No sign of structural weakness, erosion or other hazardous conditions were found.

I do hereby certify that I am a registered Professional Engineer in the State of Utah holding current license #5214 and do also certify that the above report is true and correct to the best of my knowledge.

Larry J. Guymon Date 7-21-81
Larry J. Guymon, P. E.
#5214

COTTONWOOD TEMPORARY SEDIMENTATION PONDS

July 21, 1981

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

Monitoring Procedures: A visual inspection of the three sites were made; no settlement of the embankments or pond back slopes has occurred.

Existing Storage Capacity:

Pond #1 0.02 acre feet
 Pond #2 0.28 acre feet
 Pond #3 0.06 acre feet
 No water was impounded in any of the ponds.

General: A visual check was made for structural weakness, erosion, or other hazardous conditions. Some erosion was taking place on the inlet to the #2 Pond. Necessary maintenance was completed.

I do hereby certify that I am a registered Professional Engineer in the State of Utah holding current license #5214 and do also certify that the above report is true and correct to the best of my knowledge.

Larry J. Guymon Date 7-21-81
 Larry J. Guymon, P. E.
 #5214

QUARTERLY ENGINEERING REPORT

WILBERG SEDIMENTATION PONDS

May 4, 1981

INTRODUCTION

This report is submitted in compliance with Federal Regulations:

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

Monitoring Procedures: A series of ten (10) points have been established; five for each dam, two of which are located adjacent to the dam embankments and will be used for reference points. Coordinates and elevations have been established for each point. These were checked during the inspection and no displacement or settlement has occurred.

Elevations: North Pond

Top Of Dam: 7365.22
Upstream Toe: 7346.22
Top Of Impounded Water: 7357.8

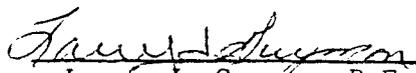
South Pond

Top Of Dam: 7337.00
Upstream Toe: 7318.00
Top Of Impounded Water: 7326.4

Existing Storage Capacity: North Pond - 1.91 Acre Feet
South Pond - 1.34 Acre Feet

General: A visual inspection was made of the facilities. No signs of structural weakness, erosion or other hazardous conditions were found. Since the last inspection, seeding has been done on the dams and side slopes.

I do hereby certify that I am a registered Professional Engineer in the State of Utah holding current license #5214 and do also certify that the above report is true and correct to the best of my knowledge.

 Date 5-11-81
Larry J. Guymon, P.E.
#5214

QUARTERLY ENGINEERING REPORT

COTTONWOOD TEMPORARY SEDIMENTATION POND

May 4, 1981

INTRODUCTION

This report is submitted in compliance with Federal Regulations:

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

Monitoring Procedures: Visual inspections were conducted of the dam embankments and pond areas for settlement and other stability aspects. No evidence of instability was noted.

Elevations:	<u>Pond 1</u>	<u>Pond 2</u>	<u>Pond 3</u>
Top Of Dam:			
Upstream Toe Of Dam:			
Top Of Impounded Water:	None	None	None

Existing Storage Capacity: Pond #1 - 0.02 Acre Feet
Pond #2 - 0.28 Acre Feet
Pond #3 - 0.06 Acre Feet

General: A visual inspection was made of the facilities. No signs of structural weakness, erosion, or other hazardous conditions were found.

I do hereby certify that I am a registered Professional Engineer in the State of Utah holding current license #5214 and do also certify that the above report is true and correct to the best of my knowledge.

Larry J. Guymon
Larry J. Guymon, P.E.
#5214

Date 5-11-81

QUARTERLY ENGINEERING REPORT

WILBERG SEDIMENTATION POND

INTRODUCTION

The report is submitted in compliance with federal regulations:

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

Monitoring Procedures: A series of ten (10) points have been established; five for each dam, two of which are located adjacent to the dam embankments and will be used for reference points. Coordinates and elevations have been established for each point. Four times per year these points will be checked to monitor any movement or settlement of the dam embankment.

Elevations: North Pond

Top of dam: 7365.22
Upstream toe of dam: 7346.22
Top of impounded water: 7355.43

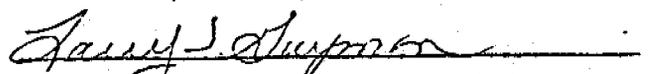
South Pond

Top of dam: 7337.00
Upstream toe of dam: 7318.00
Top of impounded water: 7326.53

Existing Storage Capacity: Because of the ice cover on the pond, no cross-sections were attainable, therefore, the storage capacity is not available for this report.

General: A visual inspection was made of the facility. No signs of structural weakness, erosion or other hazardous conditions were found; and no fires have occurred in the dam embankment or excess material piles.

I do hereby certify that I am a registered Professional Engineer in the State of Utah holding current license #5214 and do also certify that the above report is true and correct to the best of my knowledge.


Larry A. Givmont, P. E. #5214