



A SAVAGE BROTHERS COMPANY

QUARTERLY ENGINEERING REPORT

WILBERG SEDIMENT POND

1983

FILE
ACT/015/019 #137

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 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>
North 1	7367.83	7367.82	Destroyed	7367.83	7367.83
North 2	7366.99	Destroyed	7367.04	7367.04	7367.03
North 3	7366.89	7366.89	7366.89	7366.89	7366.89
South 1	7336.97	7337.06	7337.10	7337.06	7337.06
South 2	7338.49	7338.56	Destroyed	7338.49	7338.56
South 3	7339.65	7339.65	7339.65	7339.65	7339.65

No settlement of these Control Points appeared throughout the year.

During the year three of the points were destroyed by maintenance personnel. They were replaced for the next quarters monitoring.

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	7357.30	7354.05	7358.80	7359.69
South Pond	7324.80	7326.32	7326.61	7327.45

Storage Capacity:

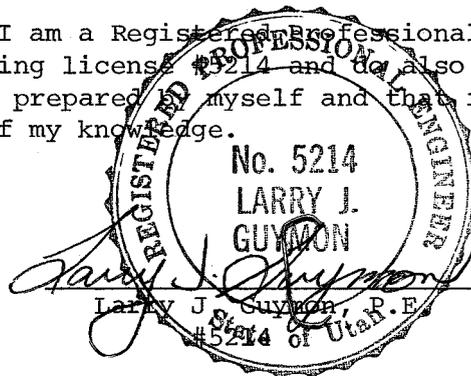
	<u>1st Quarter</u>	<u>2nd Quarter</u>	<u>3rd Quarter</u>	<u>4th Quarter</u>
North Pond				
Capacity	2.02 Ac. Ft.	2.02 Ac. Ft.	2.02 Ac. Ft.	Ice
Sediment	<u>0</u>	<u>.007 Ac.Ft.</u>	<u>.17 Ac. Ft.</u>	<u>Ice</u>
Availability	2.02 Ac. Ft.	2.013 Ac.Ft.	1.85 Ac. Ft.	-
South Pond				
Capacity	1.34 Ac. Ft.	1.34 Ac. Ft.	1.34 Ac. Ft.	Ice
Sediment	<u>0</u>	<u>0</u>	<u>0</u>	<u>-</u>
Availability	1.34 Ac. Ft.	1.34 Ac. Ft.	1.34 Ac. Ft.	-

General:

A visual inspection was made of the facility during each quarterly inspection to check for erosion or structural weakness; none were observed.

The ponds were cleaned during January.

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.



3-1-84
Date



FILE
ACT/015/019
#17

A SAVAGE BROTHERS COMPANY

QUARTERLY ENGINEERING REPORT

COTTONWOOD SEDIMENT POND

1983

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.

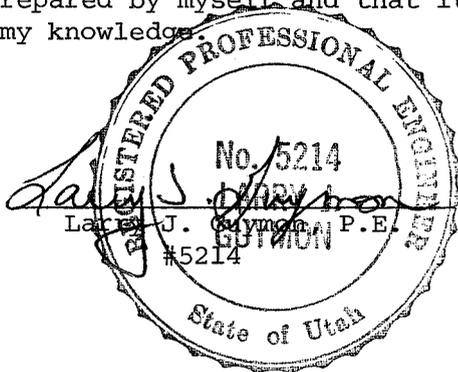
Storage Capacity:

	<u>1st Quarter</u>	<u>2nd Quarter</u>	<u>3rd Quarter</u>	<u>4th Quarter</u>
SOUTH				
Capacity	.047 Ac. Ft.	.047 Ac. Ft.	.047 Ac. Ft.	.047 Ac. Ft.
Sediment	<u>0</u>	<u>.006 Ac. Ft.</u>	<u>.023 Ac. Ft.</u>	<u>Ice</u>
Available	.047 Ac. Ft.	.041 Ac. Ft.	.024 Ac. Ft.	-
CENTER				
Capacity	.277 Ac. Ft.	.277 Ac. Ft.	.277 Ac. Ft.	.277 Ac. Ft.
Sediment	<u>0</u>	<u>.008 Ac. Ft.</u>	<u>.008 Ac. Ft.</u>	<u>.008 Ac. Ft.</u>
Available	.277 Ac. Ft.	.269 Ac. Ft.	.269 Ac. Ft.	.269 Ac. Ft.
NORTH				
Capacity	.140 Ac. Ft.	.140 Ac. Ft.	.140 Ac. Ft.	.140 Ac. Ft.
Sediment	<u>0</u>	<u>.007 Ac. Ft.</u>	<u>.006 Ac. Ft.</u>	<u>Ice</u>
Available	.140 Ac. Ft.	.133 Ac. Ft.	.134 Ac. Ft.	-

General:

Visual observations 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.



3-1-84
Date