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1407 West North Temple
P.O. Box 899
Salt Lake City, Utah 84110

Mine File
J. Whitehead

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April 15, 1986

DIVISION OF
OIL, GAS & MINING

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Mr. Lowell P. Braxton
Administrator, Mineral Resource Development
and Reclamation Program
State of Utah
Department of Natural Resources
Division of Oil, Gas & Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Dear Mr. Braxton:

In compliance with state regulations UMC 817.46 (t) and UMC 817.49 (h), we submit the quarterly inspection reports for the sedimentation ponds at the Des-Bee-Dove, Deer Creek and Wilberg Mines for 1985.

Yours truly,

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

CES:bb:5344
Enclosures

cc: Larry Guymon (EMC w/enclosures)
Val Payne (EMC w/enclosures)

FILE COPY



A SAVAGE BROTHERS COMPANY

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MINING AND
EXPLORATION

April 11, 1986

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

Dear Chris:

Please find transmitted herewith the 1985 Quarterly Engineering Reports for all our sedimentation structures.

If you have any questions please contact me.

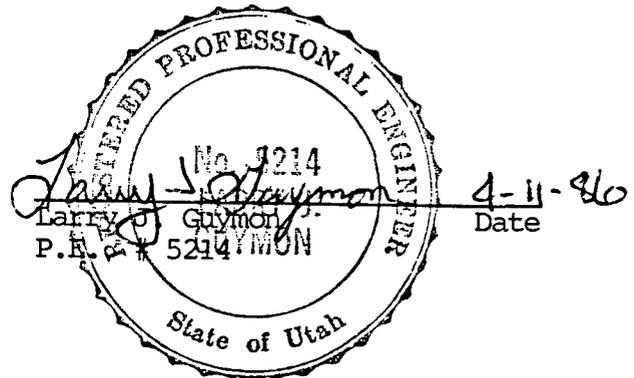
Sincerely,

Larry J. Guymon
Construction Manager

cc: Franklin K. Miller
Morgan Moon

Engineers Statement:

I do hereby certify that this 1985 Quarterly Engineering Report for the Sedimentation Structures for the Deer Creek, Des-Bee and Wilberg/Cottonwood Mines and the Cottonwood Exploration Site are true and correct to the best of my knowledge and belief.



Quarterly Engineering Report

Deer Creek Sediment Pond

1985

This report is submitted as required by Federal and State regulations:

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

Design Data: Top of Dam Elevation 7235.00
 Toe of Dam Elevation 7210.50
 Spillway Crest Elevation 7230.50

 Total Storage Capacity 12.09 AC.Ft.
 Sediment Storage Capacity 2.19 AC.Ft.

 Control Points 1 - 7236.49
 2 - 7236.56
 3 - 7236.56
 4 - 7235.98

Operational Data:

	<u>Accumulated Sediment</u>	<u>Water Elevation</u>	<u>Control Point Elevation</u>
1st Quarter 3-26-85	Frozen	7221.94	1 - 7236.48 2 - 7236.56 3 - 7236.56 4 - 7235.99
2nd Quarter 7-8-85	1.2 AC.FT.	7222.64	1 - 7236.48 2 - 7236.56 3 - 7236.56 4 - 7235.99
3rd Quarter 9-26-85	1.2 AC.FT.	7222.10	1 - 7236.48 2 - 7236.56 3 - 7236.56 4 - 7235.99
4th Quarter 12-30-85	Frozen	7216.59	1 - 7236.48 2 - 7236.56 3 - 7236.56 4 - 7235.99

INSPECTION:

Visual inspections were made during each inspection, no stability problems or other concerns were found.

QUARTERLY ENGINEERING REPORT

WILBERG MINE

1985

This report is submitted as required by Federal and State regulations:

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

NORTH POND (#1)

Design Data:	Top of Dam Elevation	7367.00
	Toe of Dam Elevation	7345.20
	Spillway Crest Elevation	7365.00
	Total Storage Capacity	2.15 AC.Ft.
	Sediment Storage Capacity	0.90 AC.Ft.
	Control Points	N-2 7368.00
		N-3 7366.89
		N-4 7367.00

Operational Data:

	<u>Accumulated Sediment</u>	<u>Water Elevation</u>	<u>Control Point Elevation</u>
1st Quarter	-0-	None	N-2 and N-4 Out N-3 7366.89
2nd Quarter		Under Reconstruction	
3rd Quarter		Under Reconstruction	
4th Quarter		Under Reconstruction	

SOUTH POND (#2)

Design Data:	Top of Dam Elevation	7337.00
	Toe of Dam Elevation	7317.00
	Spillway Crest Elevation	7335.00
	Total Storage Capacity	1.88
	Sediment Storage Capacity	0.30
	Control Points	S-2 7536.97
	S-3 7338.49	
	S-4 7339.65	

Operation Data:

	<u>Accumulated Sediment</u>	<u>Water Elevation</u>	<u>Control Point Elevation</u>
1st Quarter	0	7327.42	No Change
2nd Quarter	Under Reconstruction		
3rd Quarter	Under Reconstruction		
4th Quarter	Under Reconstruction		

Inspection:

Reconstruction of the ponds was started during 2nd Quarter and continued through the end of the 4th Quarter.

QUARTERLY ENGINEERING REPORT

COTTONWOOD SEDIMENT PONDS

1985

This report is submitted as required by Federal and State Regulations:

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

Design Data:

	<u>Sediment Capacity</u>	<u>Total Capacity</u>
North Pond	.047 AC.Ft.	.107 AC.Ft.
Center Pond	.115 AC.Ft.	.511 AC.Ft.
South Pond	.083 AC.Ft.	.078 AC.Ft.
Total	.245 AC.Ft.	0.696 AC.Ft.

Operational Data:

Accumulated Sediment

	<u>North</u>	<u>Center</u>	<u>South</u>
1st Quarter	0	0	0
2nd Quarter	0	0	0
3rd Quarter	0	0	0
4th Quarter	0	0	0

Water Elevation

	<u>North</u>	<u>Center</u>	<u>South</u>
1st Quarter	Dry	Dry	Dry
2nd Quarter	Dry	Dry	Dry
3rd Quarter	Dry	Dry	Dry
4th Quarter	Dry	Dry	Dry

Inspection:

Visual inspections were made during each quarter to check for structural stability. No problems were found.

