

0006



A SAVAGE BROTHERS COMPANY

November 23, 1983

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

ACI/1065/017
#13

RE: DES-BEE-DOVE FLOOD
August 12, 1983

Dear Ken:

As discussed and agreed to on November 7, 1983, this letter is to document the August 12, 1983 storm event and the damage done by the flood waters to the mine facilities, also to document the repair work completed to date and the work that is yet to be done.

Enclosed is a memo from Chuck Semborski with copies of weather station charts showing that the storm exceeded the 10 year, 24 hour event of 2.2 inches. In fact the station recorded 2.51 inches with the greatest majority of the precipitation coming in a two hour period.

This storm event caused considerable damage to the mine site and sediment pond. This is understandable since flow rates and associated velocities of this amount of water occurring over a two hour period would be excessive.

The attached map has the areas circled in red and are numbered which suffered damage. Not shown is the sediment pond and access road fill above the pond.

Areas #1, #8, the sediment pond and access road fill are the most serious from an environmental concern.

Area #1

An area approximately 25 feet wide and 15 feet deep and 80 feet long, including the drainage culvert and inlet box were washed away. This has undermined the access road.

We applied to the Forest Service for permission to move the road east about 75 feet in this area. The excavated material will be placed in the eroded area and the inlet culvert rebuilt. We received approval from the Forest Service on October 31, 1983.

Detailed engineering plans are being formulated at present. We anticipate starting construction by December 15th, weather permitting.

Area #8

The intake portal of the Beehive mine serves as an inlet to the mine, which is designated as part of the sediment control facilities for the mine. During the storm, sediments accumulated in the portal. Work on this area will be completed by November 30, 1983.

Access Road

During the storm boulders in excess of 5 feet in diameter plugged the inlet end of the 5' diameter culvert under the road fill. This caused water to back up behind the fill. This problem has been fixed.

Sediment Pond

During the storm over 35,000 c.y. of sediment and debris accumulated in the pond. An unknown quantity of water and sediment overflowed the spillway. The E.P.A. was advised of this on August 18, 1983, in accordance with the N.P.D.E.S. permit (see attached letter from Chris Shingleton).

The cross-sections we made of the pond show that the sediment was layered. The top two feet was water, then about two feet of fine suspended sediment and the rest was fairly solid material. Therefore, we decided to try pumping the water and suspended sediments into an area above the pond. We applied to the State Division of Lands for permission to use this area. (See attached letter from Bill McQuay.)

On September 8, 1983 a D8K Dozer was moved to the site and the holding structures were started. On August 25th we rented a sludge pump which was delivered to the site on September 9, 1983.

During the month of September and part of October we pumped the pond. During this time period several small storms occurred, filling the pond back up. (See weather station charts for documentation.)

We finally got the pond dry enough to start hauling the sediment with trucks. This was started on October 28, 1983.

To date, we have removed approximately 15,000 c.y. of the sediment.

Because the sediment is so wet and will not stand on any kind of slope we have had to enlarge the holding structure.

Mr. Ken Wyatt
November 23, 1983
Page 3

Our original completion date was November 30th, but because of the delays and difficulties we have encountered we anticipate completion by December 23rd.

If the sediment volume exceeds the capacity of the holding structures the remaining material will be disposed of in the Waste Rock Disposal site at Wilberg.

It is our intent to permanently leave the sediment where we are now placing it. Once it has dried out we will do reclamation work on it. A plan is forthcoming on this.

If you have any questions please contact me.

Sincerely,

Larry Guymon by BB

Larry Guymon
Manager of Construction

IG/bb

cc: George Bell
Dale Grange
Jim Hamlin
Morgan Moon
Chris Shingleton, UP&L

RECEIVED
NOV 25 1983

**DIVISION OF
OIL, GAS & MINING**

D-2

Manti-LaSal
National Forest

599 West Price River Drive
Price, Utah 84501
FOREST SERVICE
MANTI-LASAL NATIONAL FOREST
FERRON, UTAH

RECEIVED	
OCT 27 1983	
ACTION 2720	TO
INFO	
October 26, 1983	
WILDLIFE	
RANGE TECH.	
FORESTER	
FOREST TECH.	
MINERALS	
CLERK	
Promise Card File	

RECEIVED
OCT 31 1983

EMERY MINING CORP.
ENGINEERING

W.K. Ware
Utah Power & Light Company
P.O. Box 899
1407 West North Temple Room 262
Salt Lake City, Utah 84110

Dear Mr. Ware:

We have approved the Utah Power & Light proposal to realign 317 feet of the access road to the Des-Bee-Dove Mine, special use permit dated 2/10/77, UP&L Reference 2307 (138).

Please attach this letter to your special use permit as it becomes a part of the permit.

Sincerely,

ROSS E. BUTLER
Branch Chief - Lands

cc: D-2

76



A SAVAGE BROTHERS COMPANY

November 23, 1983

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

RE: DES-BEE-DOVE FLOOD
August 12, 1983

Dear Ken:

As discussed and agreed to on November 7, 1983, this letter is to document the August 12, 1983 storm event and the damage done by the flood waters to the mine facilities, also to document the repair work completed to date and the work that is yet to be done.

Enclosed is a memo from Chuck Semborski with copies of weather station charts showing that the storm exceeded the 10 year, 24 hour event of 2.2 inches. In fact the station recorded 2.51 inches with the greatest majority of the precipitation coming in a two hour period.

This storm event caused considerable damage to the mine site and sediment pond. This is understandable since flow rates and associated velocities of this amount of water occurring over a two hour period would be excessive.

The attached map has the areas circled in red and are numbered which suffered damage. Not shown is the sediment pond and access road fill above the pond.

Areas #1, #8, the sediment pond and access road fill are the most serious from an environmental concern.

Area #1

An area approximately 25 feet wide and 15 feet deep and 80 feet long, including the drainage culvert and inlet box were washed away. This has undermined the access road.

We applied to the Forest Service for permission to move the road east about 75 feet in this area. The excavated material will be placed in the eroded area and the inlet culvert rebuilt. We received approval from the Forest Service on October 31, 1983.

Detailed engineering plans are being formulated at present. We anticipate starting construction by December 15th, weather permitting.

Area #8

The intake portal of the Beehive mine serves as an inlet to the mine, which is designated as part of the sediment control facilities for the mine. During the storm, sediments accumulated in the portal. Work on this area will be completed by November 30, 1983.

Access Road

During the storm boulders in excess of 5 feet in diameter plugged the inlet end of the 5' diameter culvert under the road fill. This caused water to back up behind the fill. This problem has been fixed.

Sediment Pond

During the storm over 35,000 c.y. of sediment and debris accumulated in the pond. An unknown quantity of water and sediment overflowed the spillway. The E.P.A. was advised of this on August 18, 1983, in accordance with the N.P.D.E.S. permit (see attached letter from Chris Shingleton).

The cross-sections we made of the pond show that the sediment was layered. The top two feet was water, then about two feet of fine suspended sediment and the rest was fairly solid material. Therefore, we decided to try pumping the water and suspended sediments into an area above the pond. We applied to the State Division of Lands for permission to use this area. (See attached letter from Bill McQuay.)

On September 8, 1983 a D8K Dozer was moved to the site and the holding structures were started. On August 25th we rented a sludge pump which was delivered to the site on September 9, 1983.

During the month of September and part of October we pumped the pond. During this time period several small storms occurred, filling the pond back up. (See weather station charts for documentation.)

We finally got the pond dry enough to start hauling the sediment with trucks. This was started on October 28, 1983.

To date, we have removed approximately 15,000 c.y. of the sediment.

Because the sediment is so wet and will not stand on any kind of slope we have had to enlarge the holding structure.

Mr. Ken Wyatt
November 23, 1983
Page 3

Our original completion date was November 30th, but because of the delays and difficulties we have encountered we anticipate completion by December 23rd.

If the sediment volume exceeds the capacity of the holding structures the remaining material will be disposed of in the Waste Rock Disposal site at Wilberg.

It is our intent to permanently leave the sediment where we are now placing it. Once it has dried out we will do reclamation work on it. A plan is forthcoming on this.

If you have any questions please contact me.

Sincerely,

Larry Guymon by BB

Larry Guymon
Manager of Construction

LG/bb

cc: George Bell
Dale Grange
Jim Hamlin
Morgan Moon
Chris Shingleton, UP&L

RECEIVED
NOV 25 1983

**DIVISION OF
OIL, GAS & MINING**