orig file
cc Nielson
Hedberg
3092 Lof
Helfrich

Wayne

PLATEAU MINING COMPANY

A Subsidiary of Getty Oil Company
P.O. Drawer PMC Price, Utah 84501
Telephone (801) 637-2875

received July 16/84 DWH

July 13, 1984

Dr. Dianne Nielson
Division of Oil, Gas and Mining
4241 State Office Building
Salt Lake City, Utah 84114

RE: Sediment Ponds 1, 3 and 5

Dear Dr. Nielson:

Pursuant to the Division's request by letter from Wayne Hedberg dated May 23, 1984, we have had the subject ponds surveyed by a registered surveyor.

The attached data sheet lists the design requirements and actual capacities and elevations.

Pond No. 1

We propose leaving Pond No. 1 as is with no modifications. This proposal is based on three facts: (1) In the four year history of the pond, it has never had more than three feet of water in it; (2) In those four years, the sediment accumulation has been minimal; and (3) On August 16, 1983 the Division accepted our proposal to redesignate this pond to a treatment facility, which removes it from having to meet the design requirements of UMC 817.46.

Pond No. 3

We propose enlarging the pond and modifying the decant to the correct elevation. Enlargement will be accomplished by excavating in natural material; no additional embankment will be constructed.

Pond No. 5

We propose enlarging the pond and modifying the decant to the correct elevation. Enlargement will be accomplished by excavating in natural material; no additional embankment will be constructed.

On June 21, 1984, the Division responded to our July 26, 1983 submittal to modify Ponds 4, 5 and 6. Our response to your June 21 letter will reach the Division by Monday, July 23. We hope the questions and concerns raised by the Division can be resolved, allowing us to make all changes and corrections to Pond 5 at the same time.

We propose starting corrective actions on Ponds 3 and 5 on August 1 and anticipate completion by September 15.

From our observations of runoff and sediment accumulations, it is obvious that the standard methods of calculating storm runoff and sediment yield are highly suspect. Ponds 1, 3, 6 and 7 receive little runoff and sediment. We cannot document a 10-year, 24-hour event at our site, but last year we had several large cloudbursts, one of which caused considerable damage to ditches on the property. This storm had to be close to a 10-year event, but none of our ponds, with exception of Pond No. 5, filled even near the spillway level.

In summary, we realize the problems with Ponds 3 and 5 and will proceed as rapidly as possible to correct them.

Respectfully,

PLATEAU MINING COMPANY

Ben Grimes
Environmental Coordinator

BG:sd

Attachment

SEDIMENT PONDS 1, 3 & 5 DATA SHEET

	POND NO. 1		POND NO. 3		POND NO. 5	
	DESIGN	ACTUAL	DESIGN	ACTUAL	DESIGN	ACTUAL
SEDIMENT STORAGE	0.39 AF	0.16 AF	1.55 AF	0.52 AF	2.27 AF	0.77 AF
DEAD POOL STORAGE	0.16 AF	0.30 AF	0.72 AF	0.75 AF	0.35 AF	0.71 AF
RUNOFF STORAGE	0.76 AF	0.83 AF	2.0 AF	1.75 AF	4.36 AF	1.66 AF
DECANT ELEVATION	7.3	7.7	7.0	7.2	8.3	10.7
SPILLWAY ELEVATION	13.0	13.0	12.0	12.0	15.5	15.5
FREEBOARD	5 FT	2.3 FT	3 FT	1.2 FT	2.5 FT	2.9 FT

7-13-84

Bruce I. Ware