



**Coastal**  
The Energy People

Don H. Harry.  
ACT 1005/007  
Folder # 7  
#2

0013

February 21, 1992



Mr. Don A. Ostler  
State of Utah  
Division of Water Quality  
Department of Environmental Quality  
Salt Lake City, Utah 84114-4870

RE: Chronic Exceedance of the TDS Limit  
Permit No. UT0023540

*Don*  
Dear Mr. Ostler:

In response to your request of January 17, 1992, we are herewith submitting an update of our progress in reducing the TDS concentration from our 001 discharge point.

Correspondence dated June 27, 1991, summarized the nature of the TDS problem, and recommended a solution. Our approach to solving this problem has not changed. In the mean time, we have continued searching for alternate solutions, and have sought professional assistance in documenting the extent of the problem, and in estimating the time required to bring the TDS concentration back within permitted limits. We have had ECOSYSTEM RESEARCH INSTITUTE, of Logan, Utah, conduct studies on the dissolution rate of the gypsum rockdust, and also evaluate the impact of the rockdust on the aquatic community in Eccles Creek. A copy of their report is attached.

As you can see, the conclusions of their study confirm our opinion that the problem can be solved by eliminating additional contamination, and by allowing the system time to flush. We recognize some uncertainty in the time frame required for the system to flush, since we can only approximate the amount of gypsum rockdust that potentially could be contacted by the stored water. Evidence in recent months, indicates that the TDS concentration is dropping, however, we are unsure as to whether this represents a long term trend, or the fact that water level in the underground sump may be cycling at some lower level, and could still re-entrain additional rockdust at higher sump levels.

**Utah Fuel Company**

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We still feel that we are pursuing the most logical solution, but  
in the meantime, request your continued forbearance.

Sincerely yours,



Keith W. Welch  
Environmental Coordinator

KW:gb

Attachment