



**Coastal**  
The Energy People

November 10, 1993

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NOV 15 1993

DIVISION OF  
OIL, GAS & MINING

*Daron Haddock, Permit Supervisor  
Division of Oil, Gas and Mining  
355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203*

Re: NOV 93-39-5 2 of 3

Dear Mr. Haddock,

*We have reviewed the deficiency letter for the above referenced NOV and are submitting the following information.*

**Deficiencies**

- 1. The operator must provide designs which demonstrate treatment or containment of the 10 year 24 hour event.*

*Response: We have enclosed a new stage volume curve which shows this information. See page 2/7 Section 7.*

- 2. If the operator wants to pursue the proposed change in sediment storage volume a demonstration that the newly proposed volume is adequate will be required. The required demonstration would include a record summarizing the pond volume and dates of cleanout for all years previous, as well as a design calculation showing how the sediment volume/year was determined. Consideration of snow removal storage and other sediment loading created from operations within the site should be accounted for. Note: The previous value for pond sediment capacity presented in cu. ft. was incorrectly calculated.*

*Response: We do not want to pursue a change in sediment storage. We agree with the Division's analysis that this is not part of the NOV abatement.*

- 3. The operator must justify the basis for the proposed mine water discharge capacity.*

*Response: The original engineering calculation showed a discharge figure of 9.98 CFS. This was a typographical error and should have been .998 CFS. We are*

**Utah Fuel Company**

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*increasing the mine water discharge to 1.58 CFS. This is based upon actual measurements and has been used in the new calculation.*

4. *A discussion of why the disturbed area to the pond has changed was not indicated. No map reference was provided for determining the watershed area contributing to the pond. With the increase in capacity required for the additional drainage area the operator decreased the design capacity of a 100 year 24 hr. event to a 25 year 6 hour event.*

*Response: We have changed all calculations to use the original acreage figure. The map used to determine the watershed area is 3.2.1.1 and is referred to on page 1/4 of the attached engineering calculations. New stage volume and stage discharge curves are attached.*

*We have attached 3 copies of new engineering calculations for the emergency spillway. They are numbered 1/4 - 4/4 and replacement pages 2/7 and 7/7 along with new pages 2a/7, 6a/7, and 6b/7 for Section 7 for the stage volume and stage discharge curve.*

*If you need any additional information please contact Keith Zobell.*

*Sincerely,*



*Ken Payne  
Vice President/General Manager  
Utah Fuel Company*

*KP:KZ:dk  
Attachments*