



State of Utah  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

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November 5, 1996

TO: Pete Hess

FROM: Randy Harden 

RE: RR2/RR2 Retaining Walls/Southern Embankment of Sediment Pond 12B,  
Castle Gate Preparation Plant, ACT/007/038-96-D, Folder #2, Carbon County,  
Utah

In response to your request for additional input on the re-construction of Sediment Pond 12B, I have reviewed the proposal and the revised information proposed as received by the Division on November 4, 1996.

Concerns and comments made in my October 11, 1996, memo were specifically addressed in that response.

Clarification of design parameters used for construction and pond embankment stability analysis has been revised to address conditions noted in that memo. The plan now adequately addresses those concerns and is adequate for approval by the Division.

Further analysis was performed in consideration of pond drawdown and vibrations from truck and train traffic adjacent to the pond. Comments and evaluations made addressing these concerns were also found to be adequate.

The plan now also indicates that saturation of the materials in the Hilfiker embankment and seepage loss through the Hilfiker walls were evaluated and incorporated into the design and that excessive seepage will not occur through the Hilfiker wall.

Foundation preparation and excavation requirements have been incorporated into Map 26B to ensure that the geotechnical requirements for construction will be accomplished.

My recommendation based on the review of the additional information is that amendment 96B be approved with regard to the engineering requirements for construction of the pond.

cc: J. Helfrich  
D. Haddock

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