



0021
 STATE OF UTAH
 NATURAL RESOURCES
 Water Rights

FILE OCT/015/018 #2 To Mary

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October 11, 1984

RECEIVED

Mr. James W. Smith Jr., Administrator
 Coordinator of Mined Land Development
 Utah Division of Oil, Gas & Mining
 4241 State Office Building
 Salt Lake City, Utah 84114

OCT 15 1984

OCT 16 1984

DIVISION OF OIL
 GAS & MINING

RE: Response to Submittal
 Dam Safety Review
 U.P. & L.'s Deer Creek Mine, Sedim't Pond
 ACT/015/018, #2
 Emery County, Utah

Dear Mr. Smith:

Our Dam Safety Section has completed their review of your most recent submittal for the subject mining-related project. We note:

- * Storage and runoff volumes are extremely limited.
- * The proposed storage site is relatively remote and would be of hazard primarily to U.P. & L. property only.
- * Changes in proposed hydrology and associated storage volumes appear to be satisfactorily justified.

The proposed alterations are considered acceptable from the standpoint of dam safety, based upon the plans and calculations submitted.

We have one comment that pertains to previously approved design features. It involves the positioning of seepage collars along the outlet, as detailed in Section C, Drawing 3-16. A comparison of Section C to Section B on the same drawing shows that the two downstream collars will be surrounded by the gravel-and-rock toe of the embankment. This will negate their individual effectiveness. They should be eliminated from the design.

Will the two collars upstream of the control shaft be sufficient, or were four required by seepage analysis?

The company should be informed of this concern. Please keep us advised as to any further revisions relating to dam designs.

Yours truly,

Dee C. Hansen, P. E.
 State Engineer

DCH:jba

cc: Mark Page, Price Area Engineer