



STATE OF UTAH  
NATURAL RESOURCES & ENERGY  
Water Rights

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Folder #34

Scott M. Matheson, Governor  
Temple A. Reynolds, Executive Director  
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July 25, 1983

Mr. Shannon Storrud, Reclamation Engineer  
Utah Division of Oil, Gas and Mining  
4241 State Office Building  
Salt Lake City, Utah 84114

RE: Technical Revision  
No. 1 Refuse Pond  
Modification  
Wellington Coal  
Cleaning Plant

Dear Mr. Storrud:

We have completed our review of the above mentioned refuse pond modification. The following comments are offered:

1. The downstream slope stability for the Upper Refuse Dike was studied under two alternatives. In both cases the piezometric surface was assumed to intersect the slope at elevation 5371.5. This elevation is 10.5 feet below the elevation of the maximum water surface for the Lower Refuse Pond. I think it would be more representative of extreme conditions to intersect the slope at elevation 5382. This might alter the factors of safety. The same situation would exist with the Lower Refuse Dike abutting the Clear Water Pond.
2. We would recommend the densification of both the abutments and new fill be placed at 95 percent of maximum laboratory density as determined by ASTM D1557-78.
3. No filter was proposed under the riprap. This should be considered to prevent migration of both the upstream and downstream slopes.

If you have any questions, please feel free to call me or Bob Morgan of my staff.

Sincerely,

*Earl M. Staker*  
FOR Dee C. Hansen, P.E.  
State Engineer

RECEIVED  
JUL 28 1983

DCH/RLM/cm

cc: Mark Page, Price Area Engineer

Deputy State Engineer/Earl M. Staker    Directing Engineers/Harold D. Donaldson • Donald C. Norseth  
Stanley Green • Robert L. Morgan

DIVISION OF  
OIL GAS & MINING

*State Engineer's Comments*