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STATE OF UTAH
NATURAL RESOURCES & ENERGY
Water Rights

1636 West North Temple - Salt Lake City, UT 84116 - 801-533-6071

July 25, 1983

File Act/007/012

Folder #34

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Dee C. Hansen, State Engineer

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.

State Engineer's Comments

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

DIVISION OF OIL, GAS & MINING

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