

Return to: WMUR 41st SS
Docket No: 40-8783
PDR

40-8783/TBJ/06/20/81/0

- 1 -

JUN 30 1981

WMUR: TBJ
Docket No. 40-8783

Uranerz U.S.A., Inc.
ATTN: Mr. Gary Sommerville
120 West First Street
Casper, Wyoming 82601



DISTRIBUTION

| | |
|--------------------|--------------|
| <u>Docket File</u> | HJPettengill |
| Mill File | BPFisher |
| PDR | RAScarano |
| WMUR r/f | REBrowning |
| WMUR c/f | JBMartin |
| NMSS r/f | |
| WM r/f | |
| IE & HQ (2) | |
| TLJohnson | |
| JJLinehan | |
| DEMartin | |

Gentlemen:

As part of our review of your application for a source material license for the Ruth ISL Pilot Project, we have identified the need for additional information regarding the proposed evaporation pond. Information pertaining to the following specific items must be submitted for NRC review no later than July 17, 1981.

1. The surface water diversion ditch must be designed to provide adequate capacity to pass the Probable Maximum Flood (PMF) without erosion of the ditch. The ditch should be designed to convey the runoff from an occurrence of the Probable Maximum Precipitation (PMP), corresponding to the time of concentration. Provide details of, and bases for this design.
2. The discussion of embankment stability presented in "Report on Soil Exploration, Evaporation Ponds, Ruth ISL Permit Area, Johnson County, Wyoming," by Soil Exploration Company, is insufficient. Results of shear strength testing of the foundation and embankment materials should be presented with details of stability analyses of critical cross sections of the impoundment. The stability must be analyzed in accordance with Regulatory Guide 3.11, "Design, Construction and Inspection of Embankment Retention Systems for Uranium Mills", (copy attached). In addition please clarify the design of interior slopes. The application states that interior slopes will be 3H:1V yet drawings show a 2H:1V interior slope in pond 1.
3. For the liner, leak detection system, perimeter fence, monitoring program, and other aspects of the liner design, provide the information and analyses requested in the attached Staff Technical Position. Provide a program which satisfies the various testing and quality assurance criteria discussed in the position.

DIST:

TICKET NO:

| | | | | | | |
|------|---|---|---|---|---|---|
| OFC | : | : | : | : | : | : |
| NAME | : | : | : | : | : | : |
| DATE | : | : | : | : | : | : |

8107140819 810630
PDR ADOCK 04008783
C PDR

717

JUN 30 1981

If you have any questions regarding these matters please contact Mr. Ted Johnson of my staff at (301) 427-4539.

Original Signed by:
J. J. Linehan

John J. Linehan, Section Leader
Operating Facilities Section I
Uranium Recovery Licensing Branch
Division of Waste Management

Revision 1

DIST:

TICKET NO:

| | | | | | | | | | |
|------|---|--------------|---|-----------|---|---|---|---|---|
| OFC | : | WMUR | : | WMUR | : | : | : | : | : |
| NAME | : | TLJohnson:ag | : | JJLinehan | : | : | : | : | : |
| DATE | : | 06/20/81 | : | 6/30 | : | : | : | : | : |
