

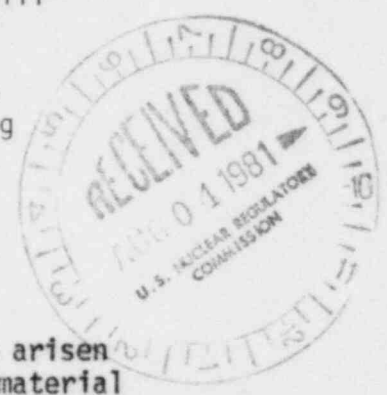
Return to: WMUR 46155

Docket file 40-8781
PDR
WMUR r/f
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NMSS r/f
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Mill file
I&E Hq (2)
FWRoss
HJPettengill
DMartin
JLinehan
RAScarano
REBrowning
JBMartin
BFisher

JUL 21 1981

WMUR:FWR
Docket No. 40-8781

Teton Exploration Drilling Company, Inc.
ATTN: Mr. Richard Appel
P.O. Drawer A-1
Casper, Wyoming 82602



Gentlemen:

In the course of our review, some additional questions have arisen concerning your company's application request for a source material license to conduct uranium solution mining on a commercial basis in Converse County, Wyoming. If at all possible, the enclosed questions should be addressed along with those submitted earlier, or no later than August 24, 1981.

If you have any questions on this transmittal, please call Mr. Frederick W. Ross of my staff at (301) 427-4544.

Sincerely,

Original Signed by:
J. J. Linehan

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

Enclosure: as stated

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OFFICE	WMUR	WMUR					
SURNAME	FWRoss	JLinehan					
DATE	7/20/81	7/20/81					

ADDITIONAL QUESTIONS CONCERNING LEUENBERGER SITE COMMERCIAL APPLICATION

1. Please provide sited reference in the Source Material License Application, p. 81 for the "MECHANICAL INTEGRITY TEST" used on the packer test, Figure 10-2C and pgs. 573-578, Department of Commerce, U.S. Bureau of Reclamation, 1974.
2. What is the diameter of the well bore holes and casings? What is the outside diameter of the well screen assembly?
3. What is the total effected surface area (acres) for MINING UNIT 1 in the M ore zone?
4. Monitor wells in the first mining unit will be drilled to what depths above and below the M ore zone?
5. What typical contaminants based on pilot studies would be oxidized and mobilized along with the leached uranium.
6. Provide the total amount of Radon 222 (in curies) expected to be released annually for the plant operation. Show calculations with any assumptions. Are any radon 222 releases expected to occur from any other areas of the operation other than solar evaporation ponds, leaching circuit, and processing streams?
7. Please provide a brief description of the method and chemical(s) used to periodically clean out the injection and recovery wells. What is the estimated cleaning frequency?
8. What is the estimated annual pond surface required to achieve evaporation for the Teton commercial plant?
9. What is the estimated solid waste accumulated in the solar ponds on an annual basis from the waste discharged?
10. How does the applicant plan to dispose of processing equipment within the plant?