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40-8728/FWR/82/08/20/0

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 Docket No. 40-8728

MEMORANDUM FOR: Docket File No. 40-8728

FROM: Frederick W. Ross  
 Operating Facility Section I  
 Uranium Recovery Licensing Branch  
 Division of Waste Management

SUBJECT: TETON EXPLORATION'S LEUENBERGER SITE R&D QUARTERLY  
 REPORT - APRIL THRU JUNE 1982

Activity during the quarter was limited to monitoring the M Zone for post-restoration monitoring, in-plant radon sampling and surface contamination area surveys, environmental radon and air particulate sampling, and evaporation pond water level and leak detection inspections. In addition, several pieces of equipment were removed for salvage sales to restricted licensed operations.

The first six months post-restoration stability sampling of the M-Zone was completed during the quarter and is included in the quarterly report. The data indicates that the M well field area was successfully restored and has remained stable during the first six months of the 12 month post-restoration period. A complete evaluation and summary of M Zone restoration will be prepared for the Teton Project FES.

An August 19, 1982 telephone conversation between Teton's Roger Garling and myself, verified that the equipment sold for salvage was decontaminated for unrestricted use and sold to Kerr McGee for use at one of their licensed uranium mining facilities.

As noted in the staff's review of the previous quarterly report (January-March 1982), the in-plant radiological monitoring program had been suspended by Teton without prior NRC approval. In response to the staff's warning that these actions are not allowed under their license, Teton submitted a request for a license amendment to reduce the required in-plant radiation and environmental monitoring to a level appropriate to the limited activities conducted at the site. In addition, during the past quarter Teton resumed measuring radon-222

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concentrations a various locations within the plant, however no air particulate samples were taken as required by License Condition No. 30. Radon-222 concentrations were below 10 CFR 20 MPC's.

Surface contamination surveys taken at 79 locations in-plant and at the storage trailer were reported. Alpha activity averaged 16.62 DPM/100 cm<sup>2</sup>.

Environmental monitoring for Radon-222 and air particulate concentrations was performed as required by License Condition No. 29, however, the data was not available at the time of report preparation.

Action to be Taken

Teton's request for license amendment to reduce in-plant and environmental radiological monitoring is presently in review and an amendment scheduled for issue by September 3, 1982. Issuance of this amendment should resolve all the problems sited above.

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Frederick W. Ross  
Operating Facility Section I  
Uranium Recovery Licensing Branch  
Division of Waste Management

Approved by:

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John J. Linehan, Section Leader  
Operating Facility Section I  
Uranium Recovery Licensing Branch

Case Closed: 04008728100E

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