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40-8786/KBW/82/05/05/1

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WMUR:KBW  
Docket No. 40-8786

MEMORANDUM FOR: Docket File 40-8786  
FROM: Kristin B. Westbrook, PM, OFS I, WMUR  
SUBJECT: AMENDMENT NO. 4 TO SOURCE MATERIAL  
LICENSE NO. SUA-1400

*PDR*

License Condition No. 22 required the following mechanical well integrity tests, proposed by URI, be performed on all injection wells prior to injection of lixiviant:

1. Place a packer 1 foot above the well screen.
2. Place a water tight well head nipple at the well head.
3. Install a high pressure, low volume pump on the well head nipple.
4. Fill the casing with water and pressure it to 100 psi.
5. Observe the pressure for at least 10 min.
6. If the pressure drop is less than 2-3% or 2-3 psi over the test period the casing is considered competent.

In addition, a report to the NRC detailing the test results was required to be submitted for our approval prior to the injection of lixiviant. URI has, in a submittal dated January 25, 1982, provided the required report and the results show that all injection wells have passed the specified integrity test. Therefore, we are amending URI's license to indicate acceptance of the test by deleting License Condition No. 22.

License Condition No. 39 requires the development of a quality assurance program for all sampling and analyses performed as part of the in-plant radiation safety and environmental monitoring programs that includes all of the recommended elements of a quality assurance program as specified in Regulatory Guide 4.15, "Quality Assurance for Radiological Monitoring Programs (Normal Operations) - Effluent Stream and the Environment." In

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addition, URI was required to submit the QAP program to us for review and approval.

We received URI's QAP program in a submittal dated February 19, 1982. This QAP program has been compared with those elements recommended in USNRC Regulatory Guide 4.15 listed above. This comparison indicates that URI has established adequate lines of responsibility and provided satisfactory procedures for radiation and environmental monitoring including sample collection; sample analyses; instrument and reference standard calibration; and reporting.

Although URI's plan is comprehensive, there are a few minor areas which are insufficient in view of the guidance provided by Regulatory Guide 4.15. URI has been informed of the areas which need to be supplemented in a phone conversation on May 5, 1982 between Mr. M. Pelizza of URI and myself. Mr. Pelizza agreed that URI will submit a revised QAP to include additional specifications for the following: computation checks, requirements that all contractor laboratories maintain QA programs which are consistent with R.G. 4.15, procedures for identifying and correcting recognized deficiencies in test results and for documenting these actions, and procedures for the maintenance and storage of reference standards.

Based on the above, we are revising License Condition No. 39, which had required the development and submittal for NRC review of a quality assurance program, to require the maintenance of a quality assurance program (QAP) consistent with NRC Regulatory Guide 4.15.

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Kristin B. Westbrook, Project Manager  
Operating Facility Section I  
Uranium Recovery Licensing Branch  
Division of Waste Management

Approved by:

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J. J. Linehan, Section Leader  
Operating Facility Section I

Case Closed: (04008786100E & 04008786060E)

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