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Docket File 40-8786

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Docket No. 40-8786

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MEMORANDUM FOR: Docket File No. 40-8786
FROM: Kristin B. Westbrook, Project Manager
Operating Facility Section I
Uranium Recovery Licensing Branch
Division of Waste Management
SUBJECT: REVIEW OF URI'S NORTH PLATTE R&D ISL PROJECT
QUARTERLY REPORT (JANUARY 15, 1982 THROUGH APRIL 15, 1982)
SOURCE MATERIAL LICENSE NO. SUA-1400

Program Status

Aquifer conditioning began on February 8, 1982 and injection of lixiviant began a week later. To date there have not been any events which would necessitate a shutdown of operations.

Water Quality and Lixiviant Migration Control

Biweekly and monthly data have been included in the Quarterly Report as required by License Condition No. 13. URI reported an excursion of calcium in well NPMW-1 on April 8, 1982. This excursion has ended and has been reviewed by the NRC staff in a June 10, 1982 memo to Docket File 40-8786. The data contained in the quarterly report indicates no other excursions. The monitor wells fluid level data do not indicate problems with the wellfield balance.

None of the wells show any significant increase in water levels. This is as expected with URI's operational program of greater volumes of fluid extraction than injection. However, the fluid balance data showing the number of gallons extracted appears to be inaccurate. The fluid balance data problems are detailed in a letter from Mr. J. Linehan of the NRC to Mr. M. Pelizza of URI dated July 23, 1982.

Surface Radiological Environmental Monitoring

Source Material License SUA-1400, Condition No. 26 specifies that the licensee will provide the radiological environmental monitoring as outlined in Table 5.2.01 of the EIA in the first quarterly report. This data has not been included for the specified pre-operational or operational monitoring. URI

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NAME	: KWestbrook	: JJLinehan	: <i>D.M. Gillen</i>	:	:	:	:
DATE	: 8/17/82	: 8/ /82	: <i>8/18 /82</i>	:	:	:	:

committed to send us his data by late July during a July 7, 1982 phone call between K. Westbrook of NRC and M. Pelizza of URI.

Pond Construction Report

URI's Quarterly Report contained the construction report required by License Condition No. 28, Section m which specifies that, "Within six (6) months after completion of the ponds, the licensee shall submit a report detailing the construction methods, construction controls, quality assurance programs, and testing methods that were actually utilized in the construction of the ponds and the installation of the leak detection system and liner. The report shall also provide test results obtained during construction and as built drawings showing details of construction of the various components of the pond." URI's report provided the required information and adequately detailed that the evaporation ponds were constructed in accordance with acceptable engineering practices and items (a) through (i) of License Condition No. 28. These conditions included requirements for evaporation pond location, embankment dimensions, moisture-density criteria and test frequency, and liner and leak detection system installation. The only deficiency is that as built drawings which are required, were not included.

Followup Actions Needed

By letter to URI, dated July 23, 1982 the following items have been requested:
a) The surface radiological environmental monitoring required by License Condition No. 26, and b) The as built drawings showing details of the construction of all the various components of the pond.

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

Approved by:

Original Signed by:
J. J. Linehan

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

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