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MEMORANDUM FOR: Ross A. Scarano, Chief
Uranium Recovery Licensing Branch

THRU: John J. Linehan, Section Leader
Operating Facilities Section I
Uranium Recovery Licensing Branch

FROM: Terry D. Vandell
Operating Facilities Section I
Uranium Recovery Licensing Branch

SUBJECT: REVIEW OF SPECIAL REPORT ON MONITOR WELL M-2
WATER QUALITY RESULTS DATED APRIL 20, 1981

Technical Review Summary

The NRC staff has reviewed the Ogle Petroleum, Inc. (OPI) special report which presents water quality data on monitor well M-2. This well was on excursion status (lateral) back in March, 1981, out of excursion, and then back on excursion status on April 1, 1981. The parameters which exceeded their UCLs were chloride and carbonate plus bicarbonate.

A water quality sample collected on April 8, 1981, showed that the well was no longer on excursion status (chloride was at 38 ppm (15 ppm below UCL) and carbonate plus bicarbonate at 137 ppm (6 ppm above UCL).

In fact, the water quality data for specific conductivity, ammonia, carbonate plus bicarbonate, chloride, sodium, and sulfate have indicated decreasing levels over the period from 3-11-81 through 4-8-81.

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Staff Recommendation

That OPI continue monitoring well M-2 on a bi-weekly basis. However, if M-2 should go on excursion status again, OPI should be required to adjust well field operations in such a manner that the concentrations decline below UCLs and remain stable, not fluctuate in and out of excursion status.

Original Signed by:

J. J. Linehan

Terry D. Vandell

Operating Facilities Section I

Uranium Recovery Licensing Branch

Division of Waste Management

Case Complete: 04008693M04E

6/10/81

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