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40-8027



KERR-MCGEE CORPORATION

KERR-MCGEE CENTER • OKLAHOMA CITY, OKLAHOMA 73125

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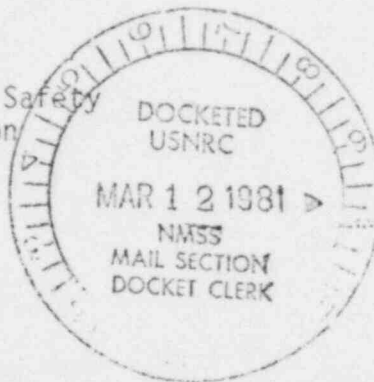
February 27, 1981

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CERTIFIED MAIL - RETURN RECEIPT REQUESTED

U.S. NUCLEAR REG. COMMISSION MAIL SECTION

Mr. William A. Nixon
Uranium Process Licensing Section
Uranium Fuel Licensing Branch
Division of Fuel Cycle & Material Safety
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555



RE: License No. SUB-1010
Docket No. 40-8027
Condition No. 18

Dear Mr. Nixon:

Please refer to License No. SUB-1010, Condition 18, July 12, 1979, which requires that we report monitor wells, M5-10, showing NO₃ as N in excess of 10 mg/l.

We have measured unexplicable data in monitor well M9 to the south of raffinate pond No. 2. It was dry during most of 1980 but on five occasions, samples were taken showing high nitrate as tabulated below:

	<u>MARCH</u>	<u>JUNE</u>	<u>DEC. 12</u>	<u>DEC. 21</u>	<u>DEC. 25</u>
Uranium µg/l	23	24	12	7	7
NO ₃ (N)	22	14	93	112	100
Depth to (ft)	1.3	--	2.3	9.2	11.3
Water					

No samples were taken during the month of January because the well was again dry.

We have not been able to characterize the source of water in this well, in order to compare it with other groundwater data. We are at a loss to explain the source of the contamination or the cause of the erratic variation of water in the well. Investigation to resolve these problems will continue when the well again contains water.

Very truly yours,

W. J. Shelley
W. J. Shelley, Vice President
Nuclear Licensing & Regulation

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