

40-8027

DON L. WARNER  
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September 22, 1976

Mr. J. E. Rothfleisch  
Fuel Processing and Fabrication Branch  
Division of Fuel Cycle and Material Safety  
U. S. Nuclear Regulatory Commission  
Washington, D. C. 20555



Dear Mr. Rothfleisch:

As requested in your letter of September 8, I have reviewed the Kerr-McGee Nuclear Corporation report of January 5, 1976, concerning the waste retention ponds at that company's Sequoyah Facility.

The report does provide additional useful information concerning the distribution and nature of the soils, alluvial materials, and shallow consolidated rocks at the Sequoyah Facility site and it also provides additional interpretation of the occurrence of ground water at the site.

The report does not, however, complete the picture of the occurrence and movement of ground water. It is still not clear at what depth the permanent ground water table lies under the plant and in what direction and at what rate water in the permanently saturated zone is moving. It is also unclear whether any of the water in the monitoring wells is associated with the permanently saturated zone or whether the water found in those wells is derived from movement within temporarily saturated intervals above the permanent water table.

The report included no discussion of the construction or occurrence of water in monitor wells of the 2300 series, from which samples have been regularly obtained. It is important that the source of this water be known in order to interpret the significance of the analyses run on water from these wells.

It is my understanding, from discussion today with Mr. W. J. Shelley of the Kerr-McGee Corporation, that the company plans to make further efforts to answer some of the unknowns mentioned above by construction of several additional shallow wells in the vicinity of the waste retention ponds.



Sincerely yours,

*Don L. Warner*

Don L. Warner  
Consulting Geo-  
logical Engineer

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FROM <b>Don L. Warner Rolla, MO</b>		DATE OF DOCUMENT <b>Sept. 22, 1976</b>	DATE RECEIVED <b>Sept. 30-, 1976</b>	NO <b>1676</b>
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DESCRIPTION (Must Be Unclassified) <b>Ltr. pertaining to rpt. of Jan. 5, 1976 concerning the waste retention ponds at the facility</b>		REFERRED TO <b>Reuse 1 extra</b>	DATE <b>10-18</b>	RECEIVED BY
ENCLOSURES		<b>reg file cy PDR IKXX(X) LPDR Rothfleisch</b>		
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