

JUN 3 1977

MEMORANDUM FOR: J. E. Rothfleisch, Fuel Processing and Fabrication  
Branch, Division of Fuel Cycle and Material Safety  
Office of Nuclear Material Safety and Safeguards

FROM: William S. Bivins, Leader, Hydrologic Engineering  
Section, Hydrology-Meteorology Branch  
Division of Site Safety and Environmental Analysis, NRC

SUBJECT: AMENDMENT TO KERR-MCCER LICENSE

Recently, you discussed with D. L. Schreiber the subject amendment which would permit the distribution of a maximum amount of barium treated raffinate solution with nitrogen on the site during the 1977 growing season. This memorandum will document our concurrence in your recommendation to accept the amendment, subject to the following conditions:

1. The licensee shall install a diversion ditch along the western boundary of the treatment area to prevent surface runoff from entering the cultivated field.
2. Relocation of the groundwater monitoring well in soil province 5 to the southwest corner of soil province 3 to provide water samples from the down-gradient portion of the aquifer underlying the treatment area.
3. Water samples from the sorption cups and observation wells shall be obtained 10-14 days after each treatment of raffinate and nitrogen.
4. Reports submitted by the licensee to NRC shall include analyses and conclusions, as well as data collected.

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William S. Bivins, Leader  
Hydrologic Engineering Section  
Hydrology-Meteorology Branch  
Division of Site Safety and  
Environmental Analysis  
Office of Nuclear Reactor Regulation

cc: W. Cammell  
L. Rouse

8512200076 770603  
PDR ADOCK 04008027  
C PDR

OFFICE	D. Schreiber	DSE:ST:HMB	DSE:ST:HALB		
SURNAME	DSchreiber	WSBivins	LG. Hulman		
DATE	6/2/77	6/2/77	6/2/77		