



**KERR-McGEE CORPORATION**

1001 EAST DEEP ROCK • CUSHING, OKLAHOMA 74023

September 12, 2003

Mr. Derek Widmayer  
Low-Level Waste & Decommissioning Projects Branch  
Division of Waste Management  
Office of Nuclear Materials Safety & Safeguards  
US Nuclear Regulatory Commission  
Washington, DC 20555

Re: Docket No. 70-3073; License No. SNM-1999  
Extension of Deadline for Response to NRC Request for Additional Information

Dear Mr. Widmayer:

Kerr-McGee (KM) received a Request for Additional Information (RAI) related to KM's proposal deriving concentration limits for groundwater at the Cushing site. KM, Nextep, and Enercon personnel met to discuss the best way to respond to this RAI. Since the original submittal, it has been determined that there is only one area in which groundwater is impacted by licensed material at any concentrations that may be of concern.

Because the dose model can be applied to a specific portion of the site, the project team discussed those parameters for which site-specific parameters can be utilized in place of the default parameters used in the original submittal. Current plans are to collect soil samples for laboratory analysis (including partitioning coefficient, or Kd) and to conduct some aquifer testing to determine the long-term yield of this shallow aquifer.

This field and analytical work makes it impossible to collect this data and run the model within 30 days, not even considering the time required for sensitivity analysis. Consequently, KM requests that NRC grant an extension of the time required to submit this response to 120 days from the date of the letter. If you have questions or comments, please call me at (918) 223-2522 (Cushing) or (405) 642-5152 (cell).

Sincerely,

Jeff Lux, Manager  
Planning and Regulatory Compliance

Cc: NRC Public Document Room  
Cushing Public Repository  
Blair Spitzberg, NRC Region IV  
Mike Broderick, DEQ Radiation Management Division

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