

# **CIMARRON CORPORATION**

P.O. BOX 25861 • OKLAHOMA CITY, OKLAHOMA 73125

VIA FACSIMILE

Mr. John Austin, Chief  
U.S. NRC  
Decommissioning and Regulatory Issues Branch  
Mail Stop T 7-F-27  
Washington, D.C. 20555-0001

3 November 1994

RE: Docket No. 70-0925  
License No. SNM-928

Dear Mr. Austin,

In a telephone conversation with Mr. Terry Moore and Mr. Joe Kegin, of my staff, on November 1, 1994, Mr. Fauver expressed a concern regarding the potential for Cimarron worker exposures during the disposal of soils in the Disposal Cell.

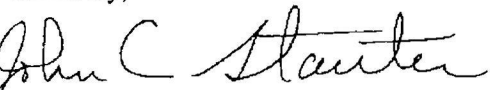
As we understand it, your concern was based on initial calculations by the NRC staff which indicated worker exposures for On-site Disposal activities could be approximately 400 mrem/6 months for an individual worker. NRC expressed a concern that this may not be ALARA and requested Cimarron respond, concerning our strategy for managing worker exposures ALARA.

10 CFR 20 requires monitoring of workers at 10% of the regulatory limits, or 500 mrem/year. Cimarron currently monitors workers regardless of their potential exposures. 100% of all workers within the restricted area are monitored for external exposure, and at least 50% are monitored for internal exposures through the use of lapel air samplers. In addition to these measures, Cimarron planned to also monitor both the loading and unloading areas with area air samplers.

To ensure worker exposures ALARA, Cimarron will maintain airborne radioactivity levels at or below 10% DAC averaged over a 40 hour work week through dust suppression measures or respiratory protection. This level relates to a dose of 250 mrem for a 6 month period. Cimarron has data from the current year that indicates the actual airborne concentrations for similar activities to be significantly less than 10% DAC. Estimates are that airborne concentrations would be less than 5% DAC averaged over an 8 hour period. At 5% DAC doses would not exceed 125 mrem for a 6 month period. Cimarron considers the voluntary control at 10% DAC averaged over 40 hours to be an aggressive ALARA policy for the Disposal Project.

If there are any questions or comments, please give Mr. Kegin or Mr. Moore of my staff a call.

Sincerely,



John C. Stauter  
Program Manager

JCS/slj