



**UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION IV
611 RYAN PLAZA DRIVE, SUITE 400
ARLINGTON, TEXAS 76011-4005**

September 2, 2003

Mr. Russell H. Jones, Project Manager
Kerr-McGee Corporation
Kerr-McGee Center
P.O. Box 25861
Oklahoma City, Oklahoma 73125

**SUBJECT: CORRECTION TO SAFETY EVALUATION REPORT FOR KERR-MCGEE
TECHNICAL CENTER**

Dear Mr. Jones:

This letter refers to your telephone conversation with Mrs. Rachel Browder of this office on August 27, 2003, in which you discussed the Derived Concentration Guideline Levels (DCGLs) for the uranium series indoor surfaces, as documented in the Safety Evaluation Report, dated June 5, 2003.

The uranium series indoor surfaces DCGL was based on Headquarter's staff review and approval of Kerr-McGee Technical Center's proposed DCGLs. The staff calculated a deterministic surface DCGL for uranium series isotopes U-238, U-235, U-234 plus progeny of 146,200 DPM/100 cm² compared to the licensee's value of 177,300 DPM/100 cm². The two calculated DCGLs for contaminated building surfaces, indicate good agreement between the staff and licensee. The staff concluded that the licensee's DCGLs were generally protective of all age groups and recommended approval of the licensee's DCGLs.

Table 5 in the Safety Evaluation Report, dated June 5, 2003, should be corrected to reflect the approved licensee's value for the uranium series indoor surfaces of 177,300 DPM/100 cm² in lieu of 166,300 DPM/100 cm², as previously submitted. Enclosed is the corrected table for the DCGLs. Please reference this letter for the approved DCGLs for the Kerr-McGee Technical Center in lieu of Table 5 of the Safety Evaluation Report. A corrected copy of the license will be issued to additionally reference this letter.

If there are any questions concerning this matter, please do not hesitate to contact myself at 817-860-8191 or Rachel Browder at 817-276-6552.

Sincerely,

/RA/

D. Blair Spitzberg, Ph.D., Chief,
Fuel Cycle Decommissioning Branch

Docket No.: 040-08006
License No.: SUB-986

Enclosure: As stated

bcc w/enclosure (via ADAMS distrib.):

EECollins

DBSpitzberg

RSBrowder

RRMunoz

FCDB

RIV Materials File Room (5th floor)

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RIV:DNMS:NMLB		C:FCDB	
RSBrowder		DBSpitzberg	
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08/28/03		08/29/03	

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Table 1
Kerr McGee Technical Center's DCGLS for Soil and Surfaces

Radionuclide and Situation	DCGL Value
Uranium Series - Soil	228 pCi U/gram
Th-232 Series - Soil	5.3 pCi Th/gram
Th-230 Series - Soil	3.5 pCi Th/gram
Uranium Series - Indoor Surfaces	177,300 dpm/100 cm ²
Th-232 Series - Indoor Surfaces	12,500 dpm/100 cm ²
Th-230 Series - Indoor Surfaces	16,300 dpm/100 cm ²
Uranium Series - Soil in Test Pit	165 pCi U/gram