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STATE OF ILLINOIS  
**DEPARTMENT OF NUCLEAR SAFETY**

1035 OUTER PARK DRIVE  
SPRINGFIELD, ILLINOIS 62704

Jim Edgar  
Governor

\* 217-785-9900 \*  
217-782-6133 (TDD)

Thomas W. Ortiger  
Director

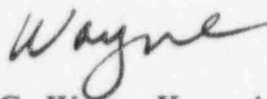
November 1, 1996

Richard Bangart, Director  
Office of State Programs  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555-0001

Dear Dick:

Enclosed for your information is a copy of Amendment No. 39 to Kerr-McGee's License No. STA-583. I have enclosed page 1 only since this amendment merely extends the expiration date to November 30, 1996 as shown on this page. There were no other changes to the license at this time.

Sincerely,



G. Wayne Kerr, Assistant Manager  
Office of Radiation Safety

GWK:gas

Enclosure:  
Amendment No. 39

cc: Jim Lynch, NRC Region III  
w/enclosure

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STATE OF ILLINOIS  
DEPARTMENT OF NUCLEAR SAFETY**RADIOACTIVE MATERIAL LICENSE**DIVISION OF RADIOACTIVE MATERIALS  
1035 OUTER PARK DRIVE  
SPRINGFIELD, ILLINOIS 62704

Pursuant to the Illinois Radiation Protection Act and the rules and regulations in 32 Illinois Administrative Code promulgated thereunder, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, own, possess and transfer radioactive material(s) listed herein; and to use such radioactive material(s) for the purpose(s) and at the place(s) designated below. This license is subject to all applicable rules, regulations and orders of the Illinois Department of Nuclear Safety now or hereafter in effect and to any conditions specified in the license. This document confirms that the licensee has registered the sources of radiation listed below in accordance with Section 2 of the Radiation Installations Act.

LICENSEEKerr-McGee Chemical Corporation  
Kerr-McGee Center  
Oklahoma City, OKLICENSE NUMBER

STA-583

EXPIRATION DATENovember 30, 1996 for  
Amendment Number 39 onlyAMENDMENT NUMBER

39

Attention: Mr. Richard Thompson  
Senior Project Manager

In accordance with letter dated **March 27, 1996 (LKI-237)**, License Number STA-583 is amended in its entirety to **extend the expiration date**. Amendment **38** is void.

ITEM	RADIONUCLIDE	CHEMICAL and/or PHYSICAL FORM	MAXIMUM ACTIVITY* PER SOURCE	MAXIMUM POSSESSION LIMIT
A.	Thorium and Uranium	As contamination from previous operations	Only the quantity present at the site identified in Condition 1. of this license.	
B.	Radium-226	Epoxy/sand composite blocks	20 $\mu$ Ci	300 $\mu$ Ci
C.	Atomic Numbers 3 through 92	Any form	10 $\mu$ Ci	100 $\mu$ Ci
D.	Americium-241	Any form	1 $\mu$ Ci	10 $\mu$ Ci

AUTHORIZED USE:

- A. Storage of Byproduct Material as defined in 32 Ill. Adm. Code 332 and use of Byproduct Material as described in Chapter 5 of the Department's Safety Evaluation Report for Phase I dated May 1994; in Chapter 5 of the Department's Addendum to the Safety Evaluation Report for Phase IA dated July 1994; in Chapter 5 of the Department's Safety Evaluation Report for Phase IB dated August 1994; in Chapter 5 of the Department's Safety Evaluation Report for Phase II dated April 1995; and in Chapter 5 of the Department's Safety Evaluation Report for Phase IIA dated September, 1995.
- B. Calibration standards for laboratory and portable gamma spectroscopy systems.
- C. Calibration standards for laboratory and portable gamma spectroscopy systems.
- D. Calibration standards for laboratory and spectroscopy systems.

\*  $\mu$ Ci-microcurie; mCi-millicurie; Ci-Curie; MBq-Megabecquerel; GBq-Gigabecquerel; TBq-Terabecquerel; g-gram;  $\mu$ g-microgram; kg-kilogram

APPROVED BY:

DATE

PAGE of PAGES

Joseph G. Klinger, Head of Licensing Section

October 31, 1996

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STATE OF ILLINOIS  
DEPARTMENT OF NUCLEAR SAFETY

# RADIOACTIVE MATERIAL LICENSE

DIVISION OF RADIOACTIVE MATERIALS  
1035 OUTER PARK DRIVE  
SPRINGFIELD, ILLINOIS 62704

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LICENSEE

Kerr-McGee Chemical Corporation  
Kerr-McGee Center  
Oklahoma City, OK

LICENSE NUMBER

STA-583

EXPIRATION DATE

November 30, 1996 for  
Amendment Number 39 only

AMENDMENT NUMBER

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