

FEB 13 1975

Kerr-McGee Nuclear Corporation  
ATTN: Mr. W. J. Shelley, Director  
Regulation and Control  
Kerr-McGee Center  
Oklahoma City, Oklahoma 73125

License No. SUB-1010  
Docket No. 40-8027  
Control No. 75427A

SUBJECT: LICENSE RENEWAL APPLICATION

Gentlemen:

This is to acknowledge receipt of your application for renewal of the source material license identified above. Your application is deemed timely filed, and, accordingly, the license will not expire until final action has been taken by this office.

Any correspondence regarding the renewal application should reference the control number specified and your license number or docket number.

Sincerely,

J. E. Rothfleisch  
Fuel Fabrication and  
Reprocessing Branch No. 2  
Division of Materials and  
Fuel Cycle Facility Licensing

Distribution:  
PDR  
Docket File  
MF:FF2 R/F  
MF R/F  
NMSS R/F  
RO (2)  
JRothfleisch  
JRMiller

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PDR ADOCK 04008027  
C PDR

OFFICE	MF:FF2	MF:FF2				
REMARKS	JRothfleisch	JRMiller				
DATE	2/10/75	2/11/75				

FCMS:FCPF:JER  
40-8027  
SUB-1010, Amendment No. 7

APR 6 1976

Distribution:  
~~Docket File~~

PDR  
SHO  
NMSS R/F  
FC:FCPF R/F  
I&E Hq (2)  
BBrooks  
ACabell  
BAltman  
ACatania  
LFWirfs  
WTCrow  
JERthfleisch

Kerr-McGee Nuclear Corporation  
ATTN: Mr. W. J. Shelley, Director  
Regulation and Control  
Kerr-McGee Center  
Oklahoma City, Oklahoma 73102

Gentlemen:

Pursuant to Title 10, Code of Federal Regulations, Part 40, Source Material License No. SUB-1010 is hereby amended to extend authorization for the test distribution of barium treated raffinate throughout the 1976 growing season in accordance with the statements and conditions contained in your applications and enclosures dated March 7, April 4 and June 8, 1973; February 20, 1974; March 7 and 12, 1975; and March 19, 1976.

All other conditions of this license shall remain the same.

This amendment authorizes resumption of your test program on the use of treated raffinate as a fertilizer material, as approved by Amendments Nos. 2, 3, 5 and 6 to this license, to cover operations for the 1976 growing season as requested in your application of March 19, 1976. We wish to point out that the acceptability or feasibility of ultimate wide-scale use of treated raffinate in this manner has not been considered in this extension of your test program. Moreover, you are specifically not authorized by this amendment to use treated raffinate for any purpose other than continuation of your implant test program authorized by the previous amendments listed above.

FOR THE NUCLEAR REGULATORY COMMISSION

Original signed by:  
W. T. Crow

W. T. Crow, Acting Chief  
Fuel Processing & Fabrication Branch  
Division of Fuel Cycle and  
Material Safety

OFFICE:	FC:FCPF	FC:FCPF				
SURNAME:	JERothfleisch	WTCrow				
DATE:	4/6/76	4/6/76				

U.S. ATOMIC ENERGY COMMISSION  
MATERIAL DATA INPUT S/SNM

1 - FILE COPY

## A. TYPE OF ACTION AND IDENTIFICATION CODES

<input type="checkbox"/> NEW LICENSE	<input type="checkbox"/> AMENDMENT TO RENEW LICENSE	<input type="checkbox"/> AMENDMENT TO TERMINATE	<input type="checkbox"/> VOID	DOCKET NUMBER	MAIL CONTROL NUMBER	CHANGE NAME/ ADDRESS
<input type="checkbox"/> NEW LICENSE AND NEW LICENSEE	<input checked="" type="checkbox"/> OTHER AMENDMENT	<input type="checkbox"/> CLERICAL CHANGE NO AMENDMENT		040-08027	00508	<input type="checkbox"/>

## B. INDICATIVE INFORMATION

NAME (LAST, FIRST, MIDDLE)	NAME (LAST, FIRST, MIDDLE)				
NAME (LAST, FIRST, MIDDLE)	NAME (LAST, FIRST, MIDDLE)				
NAME (LAST, FIRST, MIDDLE)	NAME (LAST, FIRST, MIDDLE)				
ORGANIZATION NAME (ALPHABETIC SEQUENCE)					
Kerr-McGee Nuclear Corporation					
DEPARTMENT OR BUREAU					
BUILDING, STREET					
Kerr-McGee Center					
CITY					
Oklahoma City					
STATE					
OK					
ZIP CODE					
73125					
TYPE OF APPLICANT	<input type="checkbox"/> U.S. GOVERNMENT AGENCY	DATE REQUEST RECEIVED	INSTITUTION CODE	PENDING PROG. CODE	ACTUAL PROG. CODE
	<input type="checkbox"/> INDIVIDUAL LICENSEE				
	<input checked="" type="checkbox"/> ORGANIZATIONAL LICENSEE	03-23-76	12636		
SECONDARY PROGRAM CODES AS REQUIRED					
#1	#2	#3	#4	#5	
LICENSE NUMBER	DATE LICENSE ISSUED OR ACTION COMPLETED	EXPIRATION DATE			
SOB-1010	04-16-76				

## C. STATISTICAL INFORMATION

MEDICAL CATEGORY		
<input type="checkbox"/> FOR HUMAN USE ONLY	<input type="checkbox"/> FOR HUMAN AND NONHUMAN USE	<input type="checkbox"/> FOR NONHUMAN USE ONLY
POSSESSION OF THE MATERIAL IS AUTHORIZED IN ONE OF THE FOLLOWING AREAS		
<input type="checkbox"/> SAME AS "STATE" IN ADDRESS	<input type="checkbox"/> ALL STATES	<input type="checkbox"/> ALL NON-AGREEMENT STATES
AND/OR IN THE STATE(S), TERRITORY(IES), COUNTRY CHECKED BELOW:		
ALABAMA AL	GEORGIA GA	MARYLAND MD
ALASKA AK	HAWAII HI	MASSACHUSETTS MA
ARIZONA AZ	IDAHO ID	MICHIGAN MI
ARKANSAS AR	ILLINOIS IL	MINNESOTA MN
CALIFORNIA CA	INDIANA IN	MISSISSIPPI MS
COLORADO CO	IOWA IA	MISSOURI MO
CONNECTICUT CT	KANSAS KS	MONTANA MT
DELAWARE DE	KENTUCKY KY	NEBRASKA NE
FLORIDA FL	LOUISIANA LA	NEVADA NV
	MAINE ME	NEW HAMPSHIRE NH
		RHODE ISLAND RI
		SOUTH CAROLINA SC
		SOUTH DAKOTA SD
		TENNESSEE TN
		TEXAS TX
		UTAH UT
		VERMONT VT
		VIRGINIA VA
		WASHINGTON WA
		WEST VIRGINIA WV
		WISCONSIN WI
		WYOMING WY
		AMERICAN SAMOA AS
		CANAL ZONE CZ
		GUAM GU
		PUERTO RICO PR
		VIRGIN ISLANDS VI
		CANADA

## D. POSSESSION LIMITS OF SOURCE AND SPECIAL NUCLEAR MATERIALS AND TRITIUM

SOURCE MATERIAL CEILING		SNM CEILING		"X" HERE IF FOR POWER REACTOR	
<input type="checkbox"/> GRAMS	<input type="checkbox"/> KILOGRAMS	<input type="checkbox"/> GRAMS	<input type="checkbox"/> KILOGRAMS		
MAT	AMOUNT	UNIT	CONTS	MAT	AMOUNT
U5		g	UNS		
U3		g	UNS		
PU		g	UNS		
UR		g	UNS		
TH		g	UNS		
H3		g	UNS		
		<input type="checkbox"/> CUBES	<input type="checkbox"/> MICROCURIES	R/S CODES	
		<input type="checkbox"/> MILLCURIES			

U5-U235, U3-U233, PU-PLUTONIUM, UR-URANIUM, TH-THORIUM, H3-TRITIUM, G-GRAMS, Kg-KILOGRAMS, S-SEALED, UNS-UNSEALED