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KERR-MCGEE NUCLEAR CORPORATION
KERR-MCGEE CENTER • OKLAHOMA CITY, OKLAHOMA 73125

August 29, 1979

Release

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Mr. Glen D. Brown, Chief
Region IV
U.S. Nuclear Regulatory Commission
611 Ryan Plaza Drive, Suite 1000
Arlington, Texas 76012

Re: Docket 40-8027

Dear Mr. Brown:

In accordance with 10 CFR 40.65 with appropriate modifications made for the nature of the operation and data available, Kerr-McGee Nuclear Corporation reports the release of nuclides in effluents to unrestricted areas during the first six months of 1979.

This report covers activities performed at our Sequoyah Facility near Gore, Oklahoma, under License No. SUB-1010.

Very truly yours,

W. J. Shelley
W. J. Shelley, Director
Regulation and Control

WJS:jb

cc: Director, Inspection and Enforcement (6)
Director, MIPC (2)

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TABLE I

Radioactivity in Gaseous Effluent - 1st 1/2 1979

Particulates - Elevated & total releases (No batch mode releases)

<u>Nuclide Released</u>	<u>Unit</u>	<u>1st Quarter</u>	<u>2nd Quarter</u>
Gross Alpha	Ci	2.11E-02	2.89E-02
Uranium (Nat.)	Ci	2.08E-02	2.87E-02
Thorium - 230	Ci	2.54E-04	1.81E-04
Radium - 226	Ci	4.39E-05	3.74E-06
Average release rate for gross alpha	<i>N</i> Ci/sec	2.68E-03	3.68E-03
Volume Released	liters	1.75E+12	2.06E+12

TABLE II

Radioactivity in Liquid Effluents - 1st 1/2 1979 (No batch mode releases)

<u>Nuclide Released</u>	<u>Unit</u>	<u>1st Quarter</u>	<u>2nd Quarter</u>
Gross Alpha	Ci	6.51E-01	9.40E-01
Uranium (Nat.)	Ci	4.78E-01	8.73E-01
Thorium - 230	Ci	4.27E-05	2.05E-04
Radium - 226	Ci	7.55E-06	8.50E-07
Volume released	liters	1.08E+09	1.11E+09

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