



**KERR-McGEE**

KERR-McGEE CENTER • OKLAHOMA CITY, OKLAHOMA 73125

August 26, 1976



E. Morris Howard, Director  
Region IV  
U.S. Nuclear Regulatory Commission  
611 Ryan Plaza Drive, Suite 1000  
Arlington, Texas 76012

Re: Docket 40-8027

Dear Sir:

In accordance with 10 CFR Part 40.65 and Appendix B of Regulatory Guide 1.21 with appropriate modifications made for the nature of the operation and data available, Kerr-McGee Nuclear Corporation reports the release of natural uranium in effluents to unrestricted areas during the 1st six months of 1976. These releases occurred during the operation of our Sequoyah Facility which produces Uranium Hexafluoride from yellowcake under License No. SUB-1010.

The airborne particulate releases and liquid effluent releases are summarized on the attached tables.

Sincerely,

W. O. Shelley, Director  
Regulation and Control

GJS:WJS:m1

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

8507310247 850530  
PDR FOIA  
BURR85-229 PDR

LICENSE NO. SUB-1010

TABLE I

Radioactivity in Gaseous Effluent - 1st 1/2 1976

		Continuous Mode		Batch Mode	
Activity Released	Unit	1st Qtr.	2nd Qtr.	1st Qtr.	2nd Qtr.

1. Particulates - Elevated Release & Total Release

Gross Alpha*	Ci	1.17E-02	1.23E-02	0.00E+00	0.00E+00
Average release rate	uCi/sec	1.49E-09	1.56E-09	0.00E+00	0.00E+00

2. Other - None

\*From Natural Uranium containing 6.77E-07  $\alpha$ Ci/gm.

TABLE II

Radioactivity in Liquid Effluents - 1st 1/2 1976

		Continuous Mode		Batch Mode	
Nuclide Released	Unit	1st Qtr.	2nd Qtr.	1st Qtr.	2nd Qtr.
Natural Uranium	Ci	2.09E-01	2.83E-01	0.00E+00	0.00E+00
Gross Alpha	Ci	2.44E-01	3.04E-01	0.00E+00	0.00E+00
Volume Released	liters	7.69E+08	7.46E+08	0.00E+00	0.00E+00