



#29

Koppley
File

UNITED STATES
ATOMIC ENERGY COMMISSION
DIRECTORATE OF REGULATORY OPERATIONS
REGION III
799 ROOSEVELT ROAD
GLEN ELLYN, ILLINOIS 60137

163
TELEPHONE
(312) 858-2660

March 14, 1974

70-1193

H. D. Thornburg, Chief, Field Support and Enforcement Branch
Directorate of Regulatory Operations, Headquarters

DIRECTORATE OF REGULATORY OPERATIONS NOTIFICATION OF AN INCIDENT OR
OCCURRENCE - KERR-McGEE PLUTONIUM MATERIAL UNACCOUNTED FOR QUANTITY

The attached communication concerning the results of the March, 1974
plutonium reinventory is forwarded with the recommendation that it be
issued as "Blue Sheet".

J. A. Hind
J. A. Hind, Chief
Materials and Plant
Protection Branch

8609090253 860815
PDR FOIA
CANTREL86-281 PDR

Transmitted by Reg. Facsimile at 11:35 a.m.

C/7

 *U* *Enclosure* *2-27-74*
No. _____

DIRECTORATE OF REGULATORY OPERATIONS
NOTIFICATION OF AN INCIDENT OR OCCURRENCE

Facility: KERR-McGEE NUCLEAR CORPORATION
CIMARRON FACILITY - PLUTONIUM PLANT
CRESCENT, OKLAHOMA

Problem: SIGNIFICANT MATERIAL UNACCOUNTED FOR (MUF) QUANTITY

This is to supplement the notification of March 6, 1974, regarding the February plutonium material unaccounted for loss quantity of (11.5) kilograms of plutonium at Kerr-McGee.

During the period from March 1 through 11, 1974, the licensee conducted a new inventory. This inventory, which involved an extensive cleanout of process equipment and a reevaluation of previous measurements, accounted for (10.1) kilograms of plutonium reducing the February material unaccounted for to (1.4) kilograms. Since the start of reporting of material unaccounted for quantities in August 1973, the cumulative material unaccounted for is 3.6 kilograms of plutonium out of a total system throughput of (400) kilograms. This unaccounted for plutonium is not considered significant for the operation involved and is believed to be in the process piping systems. There is no indication of theft or diversion.



The licensee resumed production operation on March 11, 1974.

Action by Regulatory Operations:

1. An RO inspector was on-site from March 1 - 11 and observed the preparation for and completion of the licensee's new inventory.
2. An RO physical security inspection was conducted. No significant deficiencies were identified.
3. Based on the results of the licensee's reinventory and the findings from our inspection, the licensee was permitted to resume production operations. RO will continue to monitor closely subsequent licensee inventories.
4. The assistants to the Commissioners, the staff of the Joint Committee on Atomic Energy and the Office of Information Services have been notified by telephone.

Contact:

Further information concerning this occurrence can be obtained from:

S. E. Bryan - X7353
H. D. Thornburg - X7353
J. G. Davis - X7541