

U.S. NUCLEAR REGULATORY COMMISSION

REGION III

Docket No: 70-7001

Report No: 70-7001/99005(DNMS)

Facility Operator: United States Enrichment Corporation

Facility Name: Paducah Gaseous Diffusion Plant

Location: 5600 Hobbs Road
P.O. Box 1410
Paducah, Ky 42001

Dates: March 22-25, 1999

Inspector: James Kniceley, Physical Security Inspector

Approved By: Patrick L. Hiland, Chief
Fuel Cycle Branch
Division of Nuclear Materials Safety

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EXECUTIVE SUMMARY

United States Enrichment Corporation Paducah Gaseous Diffusion Plant NRC Inspection Report 70-7001/99005(DNMS)

The NRC performed a security inspection of the Paducah Gaseous Diffusion Plant located in Paducah, Kentucky, on March 22-25, 1999. The objective of this inspection was to ensure compliance with the certificate holder's approved Physical Security Plan for the Protection of Special Nuclear Material of Low Strategic Significance.

This inspection was conducted through a review of selected records, interviews with personnel, and direct observation of work activities in the area of physical security.

- Implementation of the Physical Security Plan for the Protection of Special Nuclear Material of Low Strategic Significance and associated implementing procedures was in compliance with NRC criteria.
- Security event reports were adequately reviewed and reported to the NRC.
- Security Plan revisions, which did not decrease the effectiveness of the security plan, were adequately implemented and submitted to the NRC.
- Security personnel were knowledgeable of their duties and responsibilities.
- One inspection followup item (IFI) 70-7001/97003-26 identified in Inspection Report 70-7001/97003(DNMS) was reviewed and closed.

Report Details

1.0 Safeguards Program Implementation

a. Inspection Scope (81401, 81402, 81431)

The inspector reviewed the Paducah Safeguards Program to determine whether physical security requirements were implemented in accordance with the requirements of the Physical Security Plan (PSP), "Fixed Site Requirements for Special Nuclear Material of Low Strategic Significance," and site security procedures.

b. Observations and Findings

To determine if adequate protection was being afforded the low enriched uranium (LEU), the inspector toured the Controlled Access Area (CAA) and observed the integrity of the fence, gates, and vehicle barrier. Fences, gates, and the vehicle barrier were intact and adequately maintained. Personnel were identified, registered, badged, and escorted, as required. Packages were visually inspected by security officers at the entrance to the CAA as required by the PSP. Officers at the CAA vehicle gate adequately performed random entry/exit search of vehicles.

All the officers were armed with a handgun and equipped with a radio. The inspector witnessed radio tests and concluded that there was appropriate communication capability within the CAA.

The inspector also interviewed officers posted and on patrol, and found them to be knowledgeable of their duties and responsibilities. Security procedures were reviewed and updated as required and located at the appropriate locations.

The inspector reviewed security procedures and determined that the procedures provided adequate guidance for security officer duties.

The inspector toured the CAA for the purpose of observing the storage of LEU and determined that the LEU was stored or used only within a CAA.

c. Conclusions

Through observations, interviews, independent verification and records review, the inspector verified that the protection being afforded the LEU at Paducah was in compliance with PSP commitments.

The inspector concluded that security measures were effectively in place, procedures were adequate, training was effective and that the certificatee was meeting the requirements of the PSP.

2.0 Exit Meeting Summary

The inspection scope and results were summarized and discussed with the plant management during an exit briefing on March 25, 1999. There were no dissenting comments expressed by the certificatee. Although proprietary information was reviewed during the inspection, no proprietary information was reproduced or removed from site.

PARTIAL LIST OF PERSONS CONTACTED

J. Adams, Safety and Health Compliance Manager, USEC
S. Bell, Technical Security Section Manager, LMUS
A. Grace, Manager, Security Group, LMUS
C. Hicks, Manager Site and Facilities Support, LMUS
L. Jackson, Nuclear Regulatory Affairs Manager, LMUS
J. Labarrague, Manager, Safety, Safeguards, and Quality, LMUS
H. Pulley, General Manager, LMUS
D. Stadler, Nuclear Regulatory Affairs, LMUS
B. Stapleton, Safeguards and Security Manager, USEC

INSPECTION PROCEDURES USED

IP 81401: Plans and Procedures
IP 81402: Reports of Safeguards Events
IP 81431: Fixed Site Physical Protection of SNM of Low Strategic Significance

ITEMS OPENED, CLOSED, AND DISCUSSED

Closed

70-7001/97003-26	IFI	On May 5, 1997, it was determined that a possible compromise of secret-restricted data (SRD) had occurred. A "L" cleared employee was instructed to place a document in a SRD safe. Training on handling classified documents was conducted and all SRD documents were reviewed and either removed or downgrade to a lower classification. This item is closed.
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