

U.S. NUCLEAR REGULATORY COMMISSION  
REGION I

Report Nos. 70-687/85-03 and  
50-54/85-02

Docket Nos. 70-687  
50-54

License Nos. SNM-639  
R-81

Licensee: Union Carbide Corporation  
P.O. Box 324  
Tuxedo, New York 10987

Facility Name: Sterling Forest Research Center

Inspection At: Tuxedo, New York 10987

Inspection Conducted: April 24 - 26, 1985

Date of Last Physical Security Inspection: March 30 - 31, 1982

Type of Inspection: Routine, Unannounced Physical Protection

Inspector:

R. R. Keimig for  
William J. Madden,  
Physical Protection Inspector

7-19-85  
date

Approved by:

R. R. Keimig Chief  
Safeguards Section, Nuclear  
Materials Safety and Safeguards Branch

7-19-85  
date

Inspection Summary: Routine Physical Protection Inspection  
(Combined Report Nos. 70-687/85-03 and 50-54/85-02).

Areas Inspected: General Requirements for Special Nuclear Material of Moderate Strategic Significance at fixed sites including: Security Plan; Protection of Special Nuclear Material (SNM); Security Organization; Records and Reports; Alarm Systems; and Communications. The inspection involved 18 hours onsite by a region based inspector.

Results: The licensee was in compliance with NRC requirements in the areas examined.

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## DETAILS

### 1. Key Persons Contacted

\*J. McGovern, Business Manager, Radiochemicals  
\*W. Ruzicka, Reactor Supervisor  
\*R. Hubbard, Manager, Maintenance and Engineering  
C. Konnerth, Manager, Health, Safety and Environmental Affairs  
\*J. Baird, Senior Reactor Operator  
G. Wright, Production Control Supervisor  
S. Lupinski, Chief, Reactor Operator  
J. Kratochwil, Utilities Supervisor

\*denotes those present at exit interview.

### 2. 30703 - Exit Interview

The inspector met with licensee representatives (denoted in Paragraph 1) at the conclusion of the inspection on April 26, 1985, and summarized the scope and findings of the inspection. At no time during the inspection was written material provided to the licensee by the inspection.

### 3. 81480 - General Requirements for Special Nuclear Material of Moderate Strategic Significance at Fixed Sites

a. Security Plan: The current site security plan was approved by NRC's Office of Nuclear Reactor Regulation letter dated October 28, 1984 and by the Office of Nuclear Materials Safety and Safeguards letter dated May 26, 1983. The plan provides for the protection of SNM in storage and/or in use in contiguous facilities under NRC Reactor License No. R-81 and Hot Laboratory SNM License No. SNM-639, and for SNM in-transit. The plan addresses SNM of both of Low and Moderate Strategic Significance and implements the performance objectives of 10 CFR 73.67 and takes credit for "exempt material" categories of SNM provided for by 10 CFR 73.67(b)(1). The plan limits the total quantity of non-exempt SNM possessed under both licenses to less than a formula quantity. The inspector confirmed, by review and walk-through, that the plan and implementing procedures meet the requirements of 10 CFR 73.67.

b.

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COFI - Commercial or Financial Information that is exempt from public disclosure in accordance with 10 CFR 9.5(a)(4).

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