

U.S. NUCLEAR REGULATORY COMMISSION  
OFFICE OF INSPECTION AND ENFORCEMENT

Region V

Report No. 50-288/79-01 (IE-V-341)  
Docket No. 50-288 License No. R-112 Safeguards Group V  
Licensee: Reed College  
3203 S. E. Woodstock St.  
Portland, Oregon 97202

Facility Name: Training Reactor

Inspection at: Portland, Oregon

Inspection Conducted: October 15, 1979

Date of Last Physical Security Inspection Visit: August 29, 1978

Type of Inspection: Unannounced Physical Security

Inspectors: Dennis W. Schaefer Nov 9, 79  
D. W. Schaefer, Physical Security Inspector Date Signed  
Wayne P. Mortensen 11/9/79  
W. P. Mortensen, Physical Security Inspector Date Signed  
Date Signed

Approved by: [Signature] 11/9/79  
E. R. Norderhaug, Chief, Safeguards Branch Date Signed

Inspection Summary:

Unannounced Inspection on October 15, 1979 (Report No. 50-288/79-01)  
(IE-V-341)

Areas Inspected: Security Plan; Protection of SNM; Security Organization;  
Access Control; Alarm Systems; keys, Locks and Combinations; Communications;  
Surveillance; Procedures; Security Program Review; and Protection Against  
Radiological Sabotage.

This inspection was started during regular hours and involved nine  
inspector-hours onsite by two NRC inspectors.

Results: Of the eleven areas inspected, no items of noncompliance were  
identified.

[REDACTED]

DETAILS

[REDACTED]

1. Persons Contacted

\*Dr. Larry Church, Reactor Director

\*Also attended exit briefing on October 15, 1979.

2. Exit Interview

The inspectors met with licensee representative (denoted in Paragraph 1) at the conclusion of the inspection on October 15, 1979. The inspectors summarized the scope and findings of the inspection. The licensee had no comments pertaining to the inspection findings.

3. MC 81405B - Security Plan

No items of noncompliance were noted. The inspection results were attained through the following:

a. Onsite review of the basic physical security plan dated July 27, 1976 as modified by Reed College letter dated November 18, 1976 and incorporated as Amendment No. 2 to Facility License No. P-112 on February 14, 1977.

b. A walk-through tour observing the designated essential equipment of the licensee which included [REDACTED]

c. Observation and confirmation that the designated security areas within the reactor area as specified in their approved security plan were: [REDACTED]

The inspectors did not identify any measures which were different from those specified in their security plan. There were no additional findings which were considered a weakness in their security system.

4. MC 81410B - Protection of SNM

No items of noncompliance were noted. The licensee possessed approximately [REDACTED] in the form of nominally [REDACTED] enriched uranium. The SNM was secured in accordance with their physical security plan. All SNM was stored in the [REDACTED]. There was no SNM stored in the [REDACTED].

5. MC 81415B - Security Organization

No items of noncompliance were noted. The inspectors determined that the licensee's security organization is as described in their physical security plan. The security force for the reactor is [REDACTED]

[REDACTED]

provided by the [REDACTED]

The Reactor Director is responsible for the overall security program. He is assisted by the Senior Reactor Operators and Reactor Operator associated with the training reactor.

6. MC 81420B - Access Control

No items of noncompliance were noted. The results of the inspection were attained through the following:

- a. A review of the licensee's procedures used to control access to the reactor.
- b. Observation of the ingress and egress of the staff, students, and visitors to the facility during the period of the inspection.
- c. Observation that access controls have been implemented as described in the security plan to control personnel to the essential equipment, security areas, and the facility.

The reactor for Reed College is in the basement of the chemistry building located on the northeastern portion of the campus. Access is normally controlled by means of [REDACTED]

7. MC 81425B - Alarm Systems

No items of noncompliance were noted. The inspectors determined through interviews and observations that all intrusion alarm devices are installed, maintained, tested and operated in accordance with their physical security plan.

8. MC 81430B - Keys, Locks and Combinations

No items of noncompliance were identified. The procedures for keys, locks and combinations were reviewed and are in conformance with the physical security plan. A check of the locking hardware on the doors was accomplished and found to be adequate.

9. MC 81435B - Communications

No items of noncompliance were identified. The reactor facility utilizes the [REDACTED] system for communication on and off the campus which is the primary means of contact with the [REDACTED]. During non-working hours, [REDACTED]

10. MC 81440B - Surveillance

No items of noncompliance were identified. The inspectors determined that the surveillance of SNM, essential equipment, security areas, physical barriers, and avenues of approach to security areas have been implemented as stated in their physical security plan.

11. MC 81445B - Procedures

No items of noncompliance were identified. Through interviews and review of records, it was determined that the reactor facility has procedures regarding unauthorized intrusions, security violations, bomb threats, and acts of civil disorder.

12. MC 81450B - Security Program Review

No items of noncompliance were identified. The security program and plan were last reviewed by the Reactor Director on September 9, 1978.

13. MC 81455B - Protection Against Radiological Sabotage

No items of noncompliance were identified. Protection against sabotage is of concern to the licensee and is primarily effected by the security consciousness of the reactor personnel and adherence to established procedures and policies.