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

Region V

Report No. 50-27/80-01 (IE-V-391)

Docket No. 50-27 License No. R-76 Safeguards Group 2

Licensee: Washington State University
Pullman, Washington

Facility Name: Nuclear Reactor Center

Inspection at: Pullman, Washington

Inspection Conducted: June 9 and 10, 1980

Date of Last Physical Security Inspection Visit: October, 1979

Type of Inspection: Unannounced Physical Security

Inspectors: *W. P. Mortensen* *July 10, 1980*
W. P. Mortensen, Physical Security Inspector Date Signed

Date Signed

Date Signed

Approved by: *M. D. Schuster* *7/10/80*
M. D. Schuster, Chief, Security Section Date Signed

Inspection Summary:

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.

The inspection involved five inspector-hours onsite by one NRC inspector.

Results: No items of noncompliance were identified.

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5. MC 81410B - Protection of SNM

No items of noncompliance were noted. The center had in its possession approximately [redacted]. The U-235 consisted of [redacted].

The U-235 was secured in the following locations:

- a. There were approximately [redacted] of U-235 in [redacted] and exempt per 73.67 (b)(1)(i).
- b. There were [redacted] contained in [redacted] and exempt per 10 CFR 73.6(c), in [redacted].
- c. There were [redacted] of U-235 contained in [redacted].

6. MC 81415B - Security Organization

No items of noncompliance were noted. The inspector determined that the licensee's security organization is as described in their physical security plan. Through interviews and review of procedures, it was determined that the Director of the center was responsible for the implementation and enforcement of the security plan.

The security force for the center is provided by WSU Police Department which was visited by the inspector. The [redacted]

[redacted] who operate on three shifts to provide coverage of [redacted]. These officers are individually armed with a minimum of [redacted] and, when dispatched, they [redacted].

[redacted] Response time from [redacted].

The annual briefing of [redacted] was conducted September 28, 1979 and October 12, 1979. The briefing covered radiation hazards, [redacted] tour of the physical layout and discussion of responses to alarms. The reactor staff was briefed on security responsibilities and emergency procedures September 18, 1979 and October 3, 1979 respectively.

7. MC 81420B - Access Control

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

- a. A review of the licensee's procedures and used to control access to the Nuclear Radiation Center.

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- b. Observation of the ingress and egress of the staff, employees, 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 and vehicle access to the vital equipment, vital areas, and the facility.
- d. Interviews and review of procedures that visitors are identified, authorized for access, and escorted at the facility.
- e. A review of the visitor's register.

8. MC 81425B - Alarm Systems

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

Subsequently, during a visit to the [REDACTED] during the inspection, the inspector confirmed by observation and interview that [REDACTED]

9. MC 81430B - Keys, Locks and Combinations

No items of noncompliance were noted. 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 in accordance with the approved security plan. As committed to in inspection report 50-27/79-01, the licensee has installed [REDACTED]

10. MC 81435B - Communications

No items of noncompliance were noted. The Nuclear Radiation Center utilizes [REDACTED] for communication on and off the campus which is the primary means of contact with [REDACTED]. The reactor has available [REDACTED]

[REDACTED] operates its own radio network on a 24-hour basis with the radio equipped automobiles and portable radios carried by the individual police officers.

~~NO OTHER INFORMATION~~

11. MC 81440B - Surveillance

No items of noncompliance were noted. The inspector determined that the surveillance of SNM, vital equipment, vital areas, physical barriers and avenues of approach to vital areas have been implemented as stated in their physical security plan, under access controls.

12. MC 81445B - Procedures

No items of noncompliance were noted. Through interviews and review of records, it was determined that Nuclear Radiation Center had procedures regarding unauthorized intrusion, security violations, bomb threats and acts of civil disorder.

13. MC 81450B - Security Program Review

No items of noncompliance were noted. The licensee's records indicated that a review of their security program had been made May 2, 1980 and March 26, 1979.

14. 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 laboratory personnel and adherence to established procedures and policies. All means of access to the reactor core were controlled.