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

Region V

Report No. 50-27/79-02 (IE-V-343)
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: October 29-30, 1979

Date of Last Physical Security Inspection Visit: February 12-13, 1979

Type of Inspection: Unannounced Physical Security

Inspectors: *L. W. Ivey* 11/9/79
L. W. Ivey, Physical Security Inspector Date Signed
E. J. Power NOV 9, 1979
E. J. Power, Physical Security Inspector Date Signed

Approved by: *E. R. Nordenga* 11/9/79
E. R. Nordenga, Chief, Safeguards Branch 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 six inspector-hours onsite by two NRC inspectors.

Results: No items of noncompliance were identified.

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[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

DETAILS

1. Persons Contacted

*W. Wilson, Assistant Director, Nuclear Radiation Center
K. Clow, WSU Police Assistant
J. Nedieger, Senior Reactor Operator

*Denotes those attending exit interview.

2. Licensee Action on Previous Inspection Findings

There are no open items of noncompliance as noted on the previous inspection.

3. Exit Interview

The inspectors met with licensee representatives (denoted in Paragraph 1) at the conclusion of the inspection on October 30, 1979. The inspectors summarized the scope and findings of the inspection.

4. MC 81405B - Security Plan

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

- a. An onsite review of the physical security plan for the Washington State University (WSU) Nuclear Radiation Center which was submitted by letter dated October 12, 1976, was approved by the Division of Operating Reactors, NRR, on February 12, 1977, and constitutes the approved security plan. The licensee was in the process of submitting a change in the security plan to NRR for approval.
 - b. A walk-through/tour observing the activities, operations and facilities of the center which included the reactor and associated equipment which were designated as vital equipment.
 - c. Observation and confirmation that the designated vital areas within the center as specified in their security plan were:
[REDACTED]
 - d. The inspectors did not identify any measures which were different from those specified in their plan; there was no decrease in the effectiveness of their plan; and there were no additional findings which were considered a weakness in their security systems.
- [REDACTED]

5. MC 81410B - Protection of SNM

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

The U-235 was secured in accordance with their physical security plan in the following locations:

- a. There were approximately [redacted] of U-235 in [redacted]
- b. There were [redacted] U-235 in [redacted]
- c. There were [redacted] U-235 contained in [redacted]

6. 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. 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 [redacted] which was visited by the inspectors. [redacted] who operate on three shifts to [redacted]

[redacted]

Response time from [redacted] have arrangements for assistance if needed with other local law enforcement agencies, e.g., [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 [redacted]

7. MC 814205 - Access Control

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

- a. A review of the licensee's procedures used to control access to the Nuclear Radiation Center.
- b. Observation of the ingress and egress of the staff, employees, students, and visitors to the facility during the period of the inspection.

[redacted]

- 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, and these means are adequate.
- 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 inspectors determined through interviews and observations that intrusion alarm devices are installed maintained, tested and operated in accordance with their physical security plan. The inspectors, in the company of the Assistant Director and a Senior Reactor Operator witnessed testing of several of these alarms.

Subsequently, during a visit to [REDACTED] during the inspection, the inspectors confirmed by observation and interview that the [REDACTED] and written procedures are available for police response and actions upon receipt of an alarm.

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 random check of the locking hardware on the doors was accomplished and found to be adequate.

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

11. MC 81440B - Surveillance

No items of noncompliance were noted. The inspectors 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.

[REDACTED]

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 security file indicated that a review of their security program had been made during the second half of 1979 and there were no subsequent changes in their security program.

14. MC 81455 B - 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.



UNITED STATES
NUCLEAR REGULATORY COMMISSION

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REGION V
1990 N. CALIFORNIA BOULEVARD
SUITE 202, WALNUT CREEK PLAZA
WALNUT CREEK, CALIFORNIA 94596

APR 25 1980

Docket No. 50-113

[REDACTED]

University of Arizona
College of Engineering
Tucson, Arizona 85721

Attention: Dr. R. H. Gallagher
Dean, College of Engineering

Gentlemen:

Subject: NRC Inspection

This letter refers to the inspection of your activities authorized under NRC License No. R-52 conducted by Messrs. D. W. Schaefer and M. D. Schuster of this office on April 16-17, 1980. It also refers to the discussion of our inspection findings held by the inspectors with Dr. T. Triffett and members of your staff on April 17, 1980.

The inspection included examination of activities related to physical protection against industrial sabotage and against theft of special nuclear material in accordance with applicable requirements of Title 10, Code of Federal Regulations, Part 73, "Physical Protection of Plants and Materials," your security plan, and license conditions pertaining to physical protection as described in the enclosed inspection report. Within these areas, the inspection consisted of selective examinations of procedures and records, interviews with facility personnel and observations by the inspectors.

Within the scope of this inspection, no items of noncompliance were observed.

In accordance with Section 2.790(d) of the NRC "Rules of Practice," Part 2, Title 10, Code of Federal Regulations, documentation of the findings of your safeguards and security measures are exempt from public disclosure; therefore, the enclosed inspection report will not be placed in the Public Document Room.

[REDACTED]

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