

JUL 19 1982

Report Nos. 50-83/82-01 and 70-1068/82-01

Docket Nos. 50-83 and 70-1068

License Nos. R-56 and SNM-1050

Licensee: University of Florida  
202 Nuclear Sciences Center  
Gainesville, FL 22601

Facility Name: University of Florida Training Reactor

Inspection at: Gainesville, FL

Date of Last Physical Security Inspection Visit: July 29-31, 1982

Type of Inspection: Unannounced Physical Security

Inspector: LE Moore  
D. E. Moore, Physical Security Inspector

7/15/82  
Date Signed

Approved by: D.R. McGuire  
D. R. McGuire, Chief, Physical Protection Section  
Technical Inspection Branch  
Division of Engineering and Technical Inspection

7/15/82  
Date Signed

Inspection Summary

Areas Inspected: Included review of Security Plan; Security Organization; Access Contr. ls; Records and Reports. Testing and Maintenance; Locks, Keys and Combinations; Physical Barriers; Detection Aids; Communications and Material Control and Accountability.

The inspection involved 16 inspector hours on site by one NRC inspector.

Results: The licensee was found to be in compliance with NRC requirements within the areas examined during the inspection.

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REPORT DETAILS

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1. Key Persons Contacted

- \*W. G. Vernetson, Reactor Manager
- \*G. W. Fogle, Reactor Operator
- \*H. Gogun, Senior Reactor Operator
- \*M. Constable, Reactor Operator
- A. I. Shuler, Chief, University Police Department (UPD)
- C. L. Vinson, Dispatcher, UPD

The inspector also interviewed several members of the University Police Department.

\*Denotes those present at the exit interview.

2. Exit Interview

The inspection scope and findings were summarized during an exit meeting held July 1, 1982, with those individuals denoted in paragraph one above. During the meeting, the licensee was informed that no violations were identified as a result of this inspection. Discussions were held with licensee management concerning the development of an adequate procedure for conducting 7 day tests of the intrusion detection systems. The licensee committed to developing such a procedure to assure that alarm points are functioning properly. This was listed as an Inspector Follow-up Item and will be reviewed during subsequent inspections.

3. Inspector Follow-up Item

Inspector follow-up item (IFI) are matters which the NRC desires to look into again and which will be examined during future inspections. One IFI was identified during this inspection.

(Open) IFI (82-01-01) The licensee has committed to establishing and following a procedure for testing alarm devices to assure consistency of individuals conducting such tests.

4. MC 81N14 - Site Orientation

The inspector, accompanied by a reactor operator, toured the University of Florida Training Reactor (UFTR) and University of Florida SPERT Assembly (UFSA) facilities. During the tour, the inspector noted the general layout of the facilities, the location of security areas, controlled access areas, condition of barriers and the types and locations of intrusion detection aids utilized in the facilities. With the exception of additional intrusion alarm devices being installed in the UFSA facility, no major changes have occurred since the last inspection.



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5. MC 81N18 - Security Plan

Review of the physical security plan (PSP) for the UFTR facility revealed that changes made in the PSP have been documented and reported to the NRC as revision 5. The inspector determined that this change did not decrease the overall effectiveness of the PSP. The inspector expressed concern with the use of the word "normally" in the PSP when referring to the control and storage location of security-related keys (Page 12-2 of the PSP). The licensee was informed that the use of such words effects the inspectability of the PSP and will be referred to the Licensing Branch, NMSS, for resolution. Review of the UFSA PSP revealed that several changes to the plan have been initiated based on comments received from a NMSS licensing official who visited the facility on March 19, 1982. These changes will be reviewed during subsequent inspection.

There were no violations of regulatory requirements identified in this area.

6. MC 81N22 - Security Organization

The inspector verified through review of procedures and interviews with members of the UPD that the licensee has developed and maintains response procedures for responding to safeguard contingencies as specified in the PSP. The inspector further determined through interviews that individuals responsible for responding to safeguards contingencies have been instructed as to the scope of their duties and were knowledgeable of their assigned responsibilities.

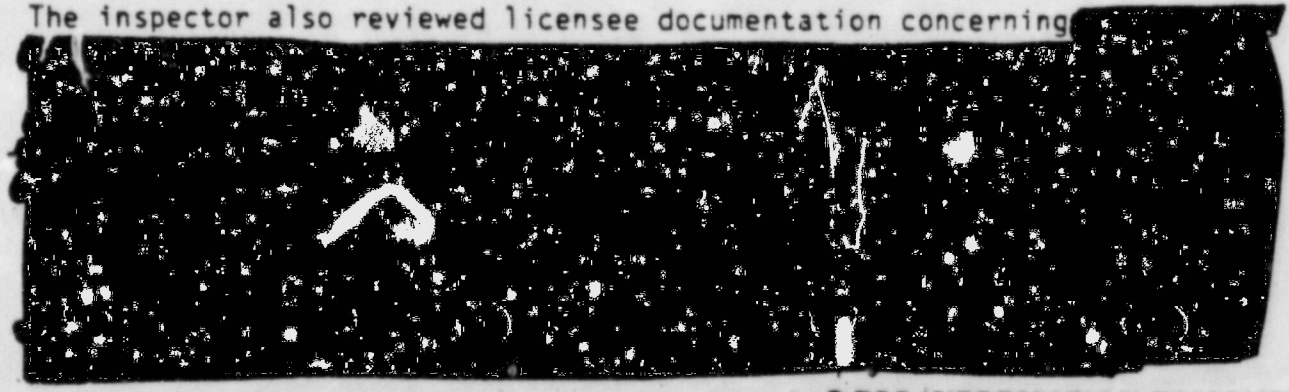
There were no violations of regulatory requirements identified in this area.

7. MC 81N38 - Records and Reports

The inspector verified that the licensee has updated records documenting response agreements made with local law enforcement authorities. The agreement letters reviewed by the inspector were made with the University Police Department dated June 23, 1981, and the City of Gainesville Police Department dated June 30, 1981.

Records further indicated that lists are maintained of individuals authorized unescorted access to the security area and to security keys.

The inspector also reviewed licensee documentation concerning



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[REDACTED]

There were no violations of regulatory requirements identified in this area.

8. MC 81N42 - Testing and Maintenance

The inspector verified by observation and discussions with reactor operators that a program for testing the operability of the intrusion detection system has been established and is conducted daily in accordance with the manufacturer's recommendation. The inspector determined that this test confirms the [REDACTED]

[REDACTED]

As a result the licensee plans to revise their testing procedure to include [REDACTED] of all [REDACTED]

There were no violations of regulatory requirements identified in this area.

9. MC 82N46 - Locks, Keys, and Combinations

The inspector confirmed, by physical inventory and review of key control logs, that security-related keys are being controlled in accordance with the provisions of the UFTR and UFSA physical security plans, i.e., keys are either issued to authorized individuals [REDACTED]

[REDACTED]

Records indicated that a physical inventory of locks and keys were conducted March 11, 1982. Records further indicated that the combination to the key repository was changed on the same date.

There were no violations of regulatory requirements identified in this category.

10. MC 81N54 - Physical Barriers

The inspector verified by examination of walls, ceilings and floors that the physical barriers surrounding the Reactor Cell, the SPERT fuel assembly storage area and the UFSA subcritical core are constructed of materials as described in the PSP. The inspector determined that SNM is used and stored only within the Controlled Access Areas (CAA) and Security Areas (SA) as identified in the PSP.

There were no violation of regulatory requirements identified in this area.

11. MC 81N70 - Access Control

The inspector verified by observation and review of records (Reactor Cell Entry Log) that access to the Reactor Cell is controlled in accordance with established procedures. The licensee has established a screening program for individuals authorized unescorted access to the Reactor Cell.



In addition, the inspector verified that a photo identification badge has been issued to cleared individuals and are being worn while within the area. All other individuals require an escort.

There were no violations of regulatory requirements identified in this area.

12. MC 81N80 - Detection Aids

The inspector verified, by observation and tests, that the licensee employs an [REDACTED]

The inspector also verified, by observation and tests, that alarm devices are installed as specified in the plan [REDACTED]

[REDACTED] The intrusion alarm system was determined to be [REDACTED] at the [REDACTED]

[REDACTED] In addition, an emergency power source has been installed to assure continued operability of the system upon loss of primary power.

There were no violations of regulatory requirements identified in this area.

13. MC 81N88 - Communications

The license utilizes [REDACTED] [REDACTED] are available for use in emergency or threat situations. Observation of tests conducted by the reactor operator verified the capability of communications between [REDACTED] Communications equipment is [REDACTED]

There were no violations of regulatory requirements identified in this area.

14. MC 85102B - Material Control and Accountability (Reactor)

The inspector verified that SNM is either in the [REDACTED] [REDACTED] for unirradiated fuel or stored in the [REDACTED] in accordance with provisions of the security plans. The physical barrier surrounding the reactor was inspected and determined to be of substantial construction to offer penetration resistance which impedes both surreptitious and forced entry.

Review of the Licensee's material control and accounting program revealed the following:

- (a) The licensee has established sufficient item control areas for the physical and administrative control of SNM.
- (b) The quantities of SNM in their possession are within total authorized limits and apparently are not being used for unauthorized purposes.

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Additionally, the inspector verified the storage locations and quantities of SNM held under Licensee Numbers R-56 and SNM-1050.

There were no violations of regulatory requirements identified in this area.

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