



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
REGION II  
101 MARIETTA ST., N.W., SUITE 3100  
ATLANTA, GEORGIA 30303

JUN 15 1981

Report Nos. 50-62/81-01 and 50-396/81-01

Docket Nos. 50-62 and 50-396

License Nos. R-66 and R-123

Licensee: University of Virginia  
School of Engineering and Applied Science  
Department of Nuclear Engineering and  
Engineering Physics  
Reactor Facility  
Charlottesville, VA 22901

Facility Name: University of Virginia Reactor Facility

Inspection at: Charlottesville, Virginia

Inspection Conducted: May 5, 1981

Date of Last Physical Security Inspection Visit: December 28-29, 1978

Type of Inspection: Unannounced Physical Security

Inspector: Berwin L. Hall  
B. L. Hall, Physical Security Inspector

5-26-81  
Date Signed

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

6-8-81  
Date Signed

Inspection Summary

Areas Inspected: Included review of security plan; security organization; physical barriers; access control (identification, authorization, and badging); access control (escorting); alarm stations; communications; testing and maintenance; power supply; response; locks, keys and combinations; records and reports.

The inspection involved four 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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2700 INFORMATION

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## REPORT DETAILS

### 1. Key Persons Contacted

- \*Preston J. Farrar, Nuclear Reactor Facility (NRF) Supervisor
- \*Paul E. Benneche, NRF, Senior Operator
- \*Tom Porter, NRF, Senior Operator
- Sergeant Batten, University of Virginia Campus Police Department

The licensee also interviewed several other licensee employees and members of the security organization.

\*Denotes those present at the exit interview

### 2. Exit Interview

The inspection scope and findings were summarized during an exit interview conducted on May 5, 1981 with those persons indicated in paragraph one above. The licensee was informed that no security violations of NRC requirements were identified within the various areas examined during the inspection.

### 3. MC 81405B - Security Plan

The inspector reviewed the licensee's approved physical security plan dated July 1980, and determined that there were no changes which would decrease the effectiveness of the security program.

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

### 4. MC 81415B - Security Organization/MC 81440B - Surveillance

The inspector verified through interviews and observations that the licensee's security organization is in conformance with Chapter Four of the approved physical security plan and regulatory requirements. Through discussion with security force personnel, the inspector verified that security force personnel were performing their duties as described in the licensee's approved physical security plan.

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

### 5. MC 81410B - Protection of SNM

The inspector accompanied by a staff member, conducted a tour of the controlled access areas and protected area barriers which are described in

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Chapter One of the approved physical security plan. The Controlled Access Areas and Protected Area Barriers has no openings or other features which would ease penetration of the barrier.

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

6. MC 81420B - Access Control

The inspector observed access control activities into the Controlled Access Areas (CAA) and Protected Areas of the Nuclear Reactor building and determined that these activities were in conformance with the approved physical security plan and regulatory requirements.

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

7. MC 81425B - Alarm Stations

The inspector verified that the detection devices were located as described in Chapter Two of the approved physical security plan. The inspector verified by tests and observations that, of the alarms tested, each alarm

In addition to the alarm system, the licensee has

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

8. MC 81435B - Communications

The inspector verified that communication capabilities are as described in Chapter Five of the approved physical security plan.

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

9. MC 81455B - Protection Against Radiological Sabotage

The inspector through observations and discussions verified that security equipment is being tested and maintained in operable condition. All security related equipment is maintained in operable condition. All security related equipment is maintained by

The inspector verified through discussions and observations that electrically powered security equipment necessary for maintaining an effective security system will continue to function

Electrically powered security equipment needed to maintain the

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

10. MC 81445B - Procedures

The inspector verified through discussions with the Campus Police Department that the licensee has established liaison with the local law enforcement authorities. The licensee conducts security orientations for the Campus Police Department when appropriate. The licensee has established procedures for: (1) bomb threat, (2) threat of theft of special nuclear materials; (3) acts of civil disorder; (4) security violations; (5) loss or degradation of security system; and (6) unauthorized entry into the protected area.

The inspector verified through observation and record checks that the licensee maintains the following records:

- Intrusion Detection Test
- Communication Check Log
- Security Area Access Log (Unescorted)
- Security Checklist

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

11. MC 81430B - Locks, Keys and Combinations

The inspector verified that metallic keys and combinations are being controlled as described in Chapter 3.3 of the approved physical security plan.

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

  
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In Reply Refer To:  
RIL:JMF  
50-160/79-2

Georgia Institute of Technology  
Georgia Tech Research Reactor  
ATTN: L. E. Weaver, Director  
School of Nuclear Engineering  
225 North Avenue  
Atlanta, GA 30332

Gentlemen:

This refers to the inspection conducted by J. M. Fuchko of this office on March 28-29, 1979, of activities authorized by NRC License No. R-97 at Georgia Tech Research Reactor (GTRR) and to the discussion of our findings held with R. S. Kirkland at the conclusion of the inspection.

The area examined during this inspection was your physical protection program and its implementation. Within this area, the inspection consisted of selective examinations of procedures and representative records, interviews with personnel and observations by the inspector.

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

We have examined actions you have taken with regard to previously identified enforcement matters. These are discussed in the enclosed inspection report.

In accordance with Section 2.790(d) of the NRC's "Rules of Practice," Part 2, Title 10, Code of Federal Regulations, activities involving safeguards and security measures are exempt from public disclosure; therefore, the enclosed inspection report with the exception of the report cover page, which is an inspection summary, will not be placed in the Public Document Room.

Should you have any questions concerning this letter, we will be glad to discuss them with you.

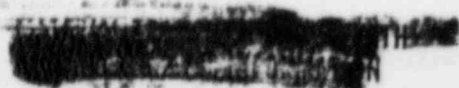
Sincerely,

*(B)*

William B. Kenna, Chief  
Safeguards Branch

Enclosures:  
(See Page 2)

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Enclosures:

1. Inspection Report No. 50-160/79-2  
(Exempt from Disclosure)
2. Inspection Summary  
(Not Exempt)

cc w/encl:

E. Stelson  
Vice President for Research  
Georgia Institute of Technology  
225 North Avenue  
Atlanta, Georgia 30332

M. V. Davis, Director  
Nuclear Research Center  
Georgia Institute of Technology  
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Atlanta, GA 30332

bcc w/Inspection Summary:  
Local Public Document Room  
Washington Public Document Room  
Nuclear Safety Information Center  
Technical Information Center  
Region II Reading Room  
State of Georgia

bcc w/enclosures:  
Central Files  
IE Mail and File

R. G. McCormick, DSI

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JMFuchko  
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