DcD

October 11, 1995

University of Missouri-Rolla
ATTN: Dr. Albert E. Bolon, Director
Nuclear Reactor Facility
Rolla, MO 65401

SUBJECT: ROUTINE SECURITY AND MATERIAL CONTROL ACCOUNTABILITY INSPECTION AT THE UNIVERSITY OF MISSOURI-ROLLA TRAINING AND RESEARCH REACTOR (INSPECTION REPORT NO. 50-123/95002(DRS))

Dear Dr. Bolon:

This refers to the routine security and material control and accountability inspection conducted by Mr. J. Belanger of this office on September 11-12, 1995. The inspection included a review of authorized activities for your University of Missouri-Rolla Reactor. At the conclusion of the inspection, the findings were discussed with those members of your staff identified in the enclosed report.

Areas examined during the inspection are identified in the report. Within these areas, the inspection consisted of a selective examination of procedures and representative records, interviews with personnel, and observation of activities in progress.

No violations of NRC requirements were identified during the course of this inspection.

In accordance with 10 CFR 2.790 of the Commission's regulations, a copy of this letter and the enclosed inspection report, without the attachments, will be placed in the NRC Public Document Room.

Attachments A, B, and C of our report concern a subject matter which is exempt from disclosure according to Section 2.790 of the NRC's "Rules of Practice," Part 2, Title 10, Code of Federal Regulations. Consequently, these attachments of our report will not be placed in the NRC Public Document Room.

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We will gladly discuss any questions you have concerning this inspection.

Sincerely,

James R. Creed, Chief
Plant Support Section 1

Docket No. 50-123

Enclosure: Inspection Report
No. 50-123/95002(DRS)

cc w/encl w/o 10 CFR
2.790 INFORMATION: M. Mendonza, NRR
Dr. D. Warner, Dean, School of
Mines and Metallurgy
Dr. W. Vernetson, Director of
Nuclear Facilities

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ATTACHMENT CONTAINS
10 CFR 2.790 INFORMATION

DOCUMENT NAME: A:UMR95002.DRS
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DATE	10/10/95		10/11/95		10/11/95			

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U.S. NUCLEAR REGULATORY COMMISSION

REGION III

Report No. 50-123/95002(DRS)

Docket No. 50-123 License No. R-79

Licensee: University of Missouri-Rolla
School of Mines and Metallurgy
Rolla, MO 65401

Facility Name: Rolla Nuclear Reactor

Inspection At: Nuclear Reactor Building, Rolla, MO

Inspection Conducted: September 11-12, 1995

Inspector: James L Belanger 10-10-95
James L. Belanger Date
Senior Physical Security Inspector

Approved By: James Creed 10/11/95
James R. Creed, Chief Date
Plant Support Section 1

Inspection Summary

Inspection on September 11-12, 1995 (Report No. 50-123/95002(DRS))
Areas Inspected: Routine, announced inspection to review Plans, Procedures and Revisions (81401); Reports of Safeguards Events (81402); Fixed Site Physical Protection of Special Nuclear Material of Moderate Strategic Significance (91421); and Material Control and Accounting Reactors (95102).
Results: Of the 4 areas inspected, no violations were identified. The overall implementation of the security and material control accountability programs of the facility were good. Security logs and records were very well maintained. The physical barriers, detection aids and procedures were adequate to allow the licensee to control access to designated security areas. The licensee implemented an adequate and effective program to account for and control Special Nuclear Material in their possession.

ATTACHMENT [redacted]
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DETAILS

1. Persons Contacted

University of Missouri-Rolla

*Dr. A. E. Bolon, Reactor Director
*D. W. Freeman, Reactor Manager
B. Bonzer, Senior Electronic Technician
J. Jackson, Senior Laboratory Mechanic
L. Pierce, Senior Secretary
W. Bleckman, Campus Police Director

*Denotes those present at the exit meeting on September 12, 1995.

2. General

This inspection, which began on September 11, 1995, was conducted to examine the security and material control programs at the University of Missouri-Rolla. Facility security barriers, alarms, and access control measures were well maintained. Liaison with the campus police was excellent.

The facility converted to low enriched uranium (LEU) fuel in 1992. The Reactor Manager stated that they expect that the high enriched uranium will be shipped to the DOE Savannah River facility during the summer of 1996 and that they will need to develop a plan for the shipment.

3. Plans, Procedures and Reviews (81401)

By letter dated August 27, 1993, the licensee transmitted Revision 4 of the security plan to the NRC under the provisions of 10 CFR 50.54(p). The submission of this revision incorporated observations/recommendations from the July 1993 NRC security inspection (IFI 50-123/93002-01). The licensee had not received acknowledgement from the NRC regarding this submittal.

An additional plan change will be necessary to clarify that the periodic physical checks of the facility are conducted by armed patrolmen or watchmen. The current revision (Revision 4) of the plan stated that such checks were conducted by University Police and that the University Police were armed. An interview with the Campus Police Director disclosed that these checks were performed by either armed police officers or watchmen. He also noted that unarmed watchmen will continue to be part of the campus police organization, contrary to the note in the security plan that watchmen were being phased out of the organization and their duties assumed by patrolmen.

The inspector verified through an interview with the reactor manager and records that a security program review was conducted by the Reactor Manager or his designated representative.

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4. Reports of Safeguards Events (81402)

Interviews with the reactor manager indicated that there were no safeguards events which have been required to be reported under 73.71.

5. Fixed Site Physical Protection of Special Nuclear Material of Moderate Strategic Significance

During a tour of the facility, the inspector verified by observation that nonexempt special nuclear material was stored only within a controlled access area (CAA), and that the licensee adequately controlled access to the CAA through barriers and procedures.

The inspector observed that the CAA was sufficiently lighted and had effective intrusion alarms to detect unauthorized penetrations.

The licensee screened those individuals granted unescorted access to the security area based on need and a favorable review of information obtain on the individuals for trustworthiness and reliability. Four randomly selected screening files from those granted unescorted access disclosed no discrepancies.

The inspector verified through a review of reactor logs that tests of the intrusion alarm system were conducted on a weekly basis. Interviews with the reactor manager and the campus police indicated that the system was reliable and effective.

6. Material Control and Accounting - (85102)

A review of Material Status Reports (Form NRC 742) accurately reflected the licensee's activities since the previous inspection conducted in July 1993. One gram of uranium depletion was recorded. There were no incoming material transfers or shipments during this period.

7. Exit Meeting

The inspector met with the licensee representatives denoted in Paragraph 1 at the conclusion of the inspection on September 12, 1995. The inspector summarized the scope and results of the inspection.

The inspector characterized the security and material accountability programs as effective and well managed. There were no violations or deviations identified.

Attachment A. Balance Statement, Material Type E-2
Attachment B. Balance Statement, Material Type E-4
Attachment C. Balance Statement, Material Type 50

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