

January 12, 2005

Dr. Sheldon Landsberger
Reactor Administrator
The University of Texas at Austin
Pickle Research Campus, Building 159
Mail Code R9000
Austin, TX 78712-1024

SUBJECT: NRC INSPECTION REPORT NO. 50-602/2004-202

Dear Dr. Landsberger:

This refers to the inspection conducted on October 18-21, 2004, at your University of Texas TRIGA Mark-II Reactor facility. The enclosed report presents the results of that inspection.

Various aspects of your safety program were inspected including selective examinations of procedures and representative records. Interviews with personnel were also conducted. Based on the results of this inspection, no significant safety issues were identified.

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter and its enclosure will be available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records (PARS) component of NRC's document system (ADAMS). ADAMS is accessible from the NRC Web site at (the Public Electronic Reading Room) <http://www.nrc.gov/reading-rm/adams.html>.

Should you have any questions concerning this inspection, please contact Craig Bassett at (404) 562-4712.

Sincerely,

/RA/

Patrick M. Madden, Section Chief
Research and Test Reactors Section
New, Research and Test Reactors Program
Division of Regulatory Improvement Programs
Office of Nuclear Reactor Regulation

Docket No. 50-602
License No. R-129

Enclosure: NRC Inspection Report No. 50-602/2004-202
cc w/enclosure: Please see next page

University of Texas

Docket No. 50-602

cc:

Governor's Budget and
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P.O. Box 13561
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Test, Research, and Training
Reactor Newsletter
University of Florida
202 Nuclear Sciences Center
Gainesville, FL 32611

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U. S. NUCLEAR REGULATORY COMMISSION
OFFICE OF NUCLEAR REACTOR REGULATION

Docket No: 50-602

License No: R-129

Report No: 50-602/2004-202

Licensee: University of Texas

Facility: University of Texas TRIGA Mark-II Reactor

Location: Pickle Research Campus, Bldg. 159
10100 Burnet Road
Austin, TX 78758

Dates: October 18-21, 2004

Inspector: Craig Bassett

Approved by: Patrick M. Madden, Section Chief
Research and Test Reactors Section
New, Research and Test Reactors Program
Division of Regulatory Improvement Programs
Office of Nuclear Reactor Regulation

EXECUTIVE SUMMARY

This routine, announced inspection included onsite review of various aspects of the licensee's programs concerning conduct of operations and emergency preparedness as they relate to the licensee's Class II research and test reactor. The licensee's programs were directed toward the protection of public health and safety and were in compliance with NRC requirements. No safety concerns or violations of regulatory requirements were identified.

Organizational Structure and Staffing

- Organizational structure and staffing met the requirements specified in Technical Specifications Section 6.1.

Review and Audit Functions

- Review and oversight functions required by Technical Specifications Section 6.2 were acceptably completed by the Nuclear Reactor Committee.

Operations

- Reactor operations and logs were acceptable and operations were carried out in accordance with procedural and Technical Specification requirements.

Operator Licenses, Requalification, and Medical Activities

- The operator requalification program was up-to-date and being acceptably maintained.
- Medical examinations were being completed biennially as required.

Procedures and Procedural Compliance

- Facility procedures and document reviews satisfied Technical Specifications Section 6.3 requirements and procedural compliance was acceptable.

Fuel Handling and Movement

- Reactor fuel movements and inspections were made and documented in accordance with procedure.
- The fuel elements were being inspected on a biennial basis as required by the Technical Specifications.

Maintenance and Surveillance

- The facility maintenance program was being implemented as required by facility procedures.

- The program for surveillance and calibration of equipment was being implemented in accordance with Technical Specifications requirements specified in Sections 3 and 4.

Experiments

- The program for the control of experiments satisfied regulatory and Technical Specifications Section 6.4 requirements.

Design Change Functions

- 10 CFR 50.59 changes had been reviewed and approved by the Nuclear Reactor Committee as required and none were determined to constitute a safety concern.

Emergency Preparedness

- The Emergency Plan and Implementing Procedures were being audited and reviewed biennially as required.
- Letters of Agreements documenting emergency support to be provided by offsite agencies were being maintained and updated as required.
- Annual drills were being held and documentation was maintained concerning the follow-up critiques and subsequent corrective actions taken as needed.
- Emergency preparedness training for staff personnel was being conducted as stipulated in the Emergency Plan.
- A good working relationship existed between the reactor staff the support groups from the local fire department and the hospital.

REPORT DETAILS

Summary of Plant Status

The licensee's one point one megawatt (1.1 Mw) TRIGA Mark-II Research and Test Reactor (RTR) was again operating on a normal, routine schedule following a successful reflector replacement in May and June of this year. A review of the applicable records indicated that the reactor was typically operated in support of education, laboratory experiments, service work, reactor surveillance, and operator training. During this inspection, the reactor was started up and operated on two days at varying power levels to conduct experiments.

1. Organizational Structure and Staffing

a. Inspection Scope (Inspection Procedure [IP] 69001)

To verify organizational structure and staffing requirements specified in Technical Specifications (TS) Section 6.1, Amendment Number (No.) 4, dated May 10, 2001, were being met, the inspector reviewed:

- organization and staffing for the Nuclear Engineering Teaching Laboratory (NETL)
- administrative controls and management responsibilities specified in the TS
- NETL Administrative Procedure, ADMIN-3, "Personnel and Operator Qualifications," Revision (Rev) 0, dated September 1991
- The University of Texas at Austin, NETL Annual Reports for 2002 and 2003

b. Observations and Findings

The operations organizational structure had not functionally changed since the last inspection (refer to NRC Inspection Report No. 50-602/2003-201). However, one Senior Reactor Operator (SRO) had left the facility since the last inspection, one Reactor Operator (RO) had successfully upgraded to SRO, and one RO was not able to maintain operator qualifications. As a result, the operations staff consisted of four SROs, including the Reactor Supervisor and the Associate Director of NETL, and two ROs.

Section III of the licensee's NETL Procedure, ADMIN-3, stated that the training and qualifications contained in the American National Standards Institute (ANSI) Standard 15.4 "Standards for Selection and Training of Personnel for Research Reactors" were the minimum for NETL TRIGA Mark-II Reactor Facility personnel. The inspector's review of the operators' education, training, and experience confirmed that the reactor staff met ANSI 15.4 requirements. Staffing was as reported in the Annual Reports and as required by TS Section 6.1.1 Structure.

c. Conclusions

The organizational structure and functions were consistent with the requirements of TS Section 6.1.

2. Review and Audit Functions

a. Inspection Scope (IP 69001)

In order to verify that the licensee had established and conducted reviews and audits as required by TS Section 6.2, the inspector reviewed:

- Nuclear Reactor (NR) Committee meeting minutes for 2004
- completed audits and reviews for 2002 through 2004
- licensee's responses to the audits and reviews
- NETL Administrative Procedure, CHRTR, "Nuclear Reactor Committee Charter," Rev dated September 1, 2000

b. Observations and Findings

The inspector reviewed the NR Committee meeting minutes from March 2004 to the present. The meeting minutes showed that the committee had met at the required frequency and had considered the types of topics outlined by the TS. The inspector determined that the membership of the NR Committee satisfied Charter and TS Section 6.2.1 requirements. Review of the meeting minutes indicated the committee provided guidance, direction and oversight, and ensured suitable use of the reactor.

The NR Committee meeting minutes, reviews, and audit records also showed that safety reviews and individual audits had been completed at the required frequency for the functional areas specified by TS Sections 6.2.3 and 6.2.4. Topics of the safety and operations reviews and audits were consistent with TS requirements as well. The inspector noted that the safety reviews and audit findings appeared acceptable and the licensee responded and took corrective actions as appropriate.

c. Conclusions

Review and oversight functions required by TS Section 6.2 were acceptably completed by the NR Committee.

3. Operations

a. Inspection Scope (IP 69001)

The inspector reviewed selected aspects of the following to verify operation of the reactor in accordance with TS Sections 3 - 6:

- selected University of Texas (UT)-TRIGA ICS Console Operation Log sheets for 2004
- selected Prestart Check sheets for 2004
- selected Startup-Shutdown Check sheets and the associated Experiment Startup-Shutdown Check sheets and Heat Exchanger Startup-Shutdown Check sheets for 2003 through the present
- selected Monthly Checklists for 2003 and 2004

- Scram Log sheets and Startup Reactivity Calculation records from January 2004 to the present
- Maintenance Log for 2004
- staffing for operations as required by TS Section 6.1.3
- selected startup, operational, and shutdown activities on October 20, 2004
- NETL Operation Procedure, OPER-1, "Startup - Shutdown Checks," Version (Ver) 1.01, dated August 22, 2002, and associated forms
- NETL Operation Procedure, OPER-2, "Reactor Startup and Shutdown," Ver 1.00, dated May 3, 2002, and associated forms
- NETL Operation Procedure, OPER-3, "Reactor Operation Modes," Ver 1.00, dated May 3, 2002
- NETL Operation Procedure, OPER-4, "Operation of Reactor Water Systems," Ver 1.00, dated May 3, 2002
- NETL Operation Procedure, OPER-5, "Operation of Air Confinement System," Ver 1.00, dated May 3, 2002

b. Observations and Findings

The inspector reviewed selected operations log sheets from January 2003 through the present. These log sheets included daily Startup-Shutdown Checklists, Reactor Startup and Shutdown forms, Experimental Startup and Shutdown Checklists, other associated forms, and Monthly Checklists. Additionally, the inspector observed a reactor startup, a shutdown, and steady state operations during the inspection. Reactor operations were carried out in accordance with written procedures as required by TS Section 6.3.

Information on the operational status of the facility was recorded accurately on the log sheets and/or the checklists as required by procedure. Scrams were identified in the logs and recorded on the appropriate forms, and were reported and resolved as required before the resumption of operations.

Through interviews with operators and review of logs and records, the inspector confirmed that shift staffing met the minimum requirements for duty and on-call personnel as required by TS Section 6.1.3. However, it was noted that the staffing level for each day's operations was not specifically required to be listed on the operations forms. This issue was noted as an area for improvement and discussed with the licensee. The licensee indicated that they were considering adding a line on the forms to denote staffing level, especially during operations that occurred after normal operating hours.

c. Conclusions

Based on the procedures and records reviewed and observations made during the inspection, the inspector determined that reactor operations and logs were acceptable and in accordance with procedural and TS requirements.

4. Operator Licenses, Requalification, and Medical Activities

a. Inspection Scope (IP 69001)

To determine that operator requalification activities and training were conducted as required and that medical requirements were met, the inspector reviewed:

- UT TRIGA Requalification Plan, Rev 1, dated November 1990
- active license status of all current operators
- logs and records of reactivity manipulations for the current requalification cycle (2003 through 2004) for selected operators
- written examinations given during 2003 and 2004 for selected operators
- training lectures and records for the current training cycle
- medical examination records for selected operators
- NETL Administrative Procedure, ADMIN-3, "Personnel and Operator Qualifications," Rev 0, dated September 1991

b. Observations and Findings

As noted above, there were four qualified SROs and two qualified ROs at the facility. A review of all of the operators' licenses showed that they were current and none were required to be renewed in the near future.

A review of the logs and records showed that training was being conducted in accordance with the licensee's requalification and training program. Reviews and examinations had been documented as required. Records of quarterly reactor operations, reactivity manipulations, and SRO/RO activities indicating operator proficiency were being maintained and the operators were completing the activities as required. Records indicating the completion of semiannual change and procedure reviews by the operators and annual supervisory evaluations of the operators were also maintained. Annual written examinations were being completed as required or credit was taken by the licensee for the SRO/RO exams administered by the NRC to satisfy the requalification cycle exam requirements when applicable. The inspector also noted that operators were receiving the required biennial medical examinations as well.

The inspector verified that the Requalification Program was being reviewed every two years as required. It was noted that the last review was dated November 8, 2002. When this was brought up, the licensee indicated that a biennial review was planned and was to be completed by a member of the NR Committee by the end of the year.

c. Conclusions

The requalification program was up-to-date and being acceptably maintained. Medical examinations were being completed as required.

5. Procedures and Procedural Compliance

a. Inspection Scope (IP 69001)

To determine whether facility procedures met the requirements outlined in TS Section 6.3, the inspector reviewed:

- Procedure Change Log including "Pen and Ink" change sheets
- NETL Administrative Procedure, ADMIN-1, "NETL Procedure Outline and Control," Ver 2.00, dated April 19, 2001
- NETL Maintenance Procedure, MAIN-2, "Instrument System Features," Ver 3.00, dated May 25, 2000, and associated forms
- NETL Surveillance Procedure, SURV-3, "Excess Reactivity and Shutdown Margin," Ver 2.00, dated April 3, 2002, and associated forms
- NETL Operation Procedure, OPER-2, "Reactor Startup and Shutdown," Ver 1.00, dated April 3, 2002, and associated forms
- NETL Fuel Procedure, FUEL-1, "Movement of Fuel," Rev 0, dated June 1990, and associated forms

b. Observations and Findings

The procedures provided guidance for staff to conduct various activities in such categories as reactor operations, fuel movement, maintenance, surveillance, administrative control, health physics, emergency and security plan implementation, and experiments. A review of various procedures indicated that NETL procedures were acceptable for the current facility status and staffing level. The inspector determined that the procedures were being audited, reviewed, and updated as needed. It was also noted that significant changes to procedures were presented to the NR Committee for review and approval as required. Although none had been made recently, the inspector verified that past revisions to various procedures had been through this review and approval process.

The inspector observed various activities during this inspection including a reactor start up, steady state operation, and a shut down. It was noted that the operations were completed in accordance with the applicable procedures.

c. Conclusions

Facility procedures and document reviews satisfied TS Section 6.3 requirements. Procedural compliance was acceptable.

6. Fuel Handling and Movement

a. Inspection Scope (IP 69001)

In order to verify adherence to fuel handling and inspection requirements specified in TS Sections 3.1.4, 4.1.4, 5.3, and 5.4, the inspector reviewed:

- selected UT-TRIGA ICS Console Operation Log sheets from January 2002 through the present
- selected UT-TRIGA Fuel Movement Log and log sheets
- selected Core Arrangement forms and Fuel Pin Inventory forms
- selected NETL Pool Configuration forms
- the NETL Core Configuration map on the Control Room wall dated July 15, 2004
- NETL Fuel Procedure, FUEL-1, "Movement of Fuel," Rev 0, dated June 1990
- NETL Fuel Procedure, FUEL-2, "Movement of Experiments," Rev 0, dated June 1990
- NETL Maintenance Procedure, MAIN-5, "Fuel Inspection and Measurement," Ver 3.00, dated May 30, 2000

b. Observations and Findings

The inspector determined that the licensee was maintaining the required records of the various fuel movements that had been completed. The inspector also determined that the movements were conducted in compliance with procedure. After reloading the core following reflector replacement, the core configuration was listed as the "3L" Configuration, No. 102F-8G-4W.

The inspector also verified that the reactor fuel was being inspected upon initial receipt and biennially as required by TS Section 4.1.4. The procedure used for fuel inspection was acceptable and the radiological control requirements specified for these operations were adequate.

c. Conclusions

Reactor fuel movements and inspections were completed and documented in accordance with procedure and the fuel was being inspected biennially as specified by TS.

7. **Maintenance and Surveillance**

a. Inspection Scope (IP 69001)

To determine that maintenance and surveillance activities and calibrations were being completed as required by TS Sections 3 and 4, the inspector reviewed:

- System Maintenance Log for 2003 through the present
- Weekly-Monthly Surveillance Log for 2003 through the present
- selected records and the associated forms related to maintenance and surveillance for 2003 through the present
- selected UT-TRIGA ICS Console Operation Log sheets from January 2002 through the present
- NETL Maintenance Procedure, MAIN-1, "Interlock and SCRAM Features," Ver 3.00, dated May 25, 2000, and associated forms
- NETL Maintenance Procedure, MAIN-2, "Instrument System Features," Ver 3.00, dated May 25, 2000, and associated forms

- NETL Maintenance Procedure, MAIN-3, "Support System Features," Ver 3.00, dated May 25, 2000, and associated forms
- NETL Maintenance Procedure, MAIN-6, "Rod and Drive Maintenance, Inspection," Ver 3.00, dated May 30, 2000, and associated forms
- NETL Operation Procedure, OPER-6, "Reactor Bay Systems," Ver 1.00, dated May 3, 2002, and associated forms
- NETL Surveillance Procedure, SURV-1, "Fuel Temperature Calibration," Rev 1, dated September 1991, and associated form
- NETL Surveillance Procedure, SURV-2, "Reactor Pool Power Calibration," Rev 0, dated July 1991, and associated records
- NETL Surveillance Procedure, SURV-3, "Excess Reactivity and Shutdown," Ver 2.00, dated April 3, 2002, and associated forms
- NETL Surveillance Procedure, SURV-4, "Reactor Water Systems Surveillance," Rev 1, dated September 1990, and associated forms
- NETL Surveillance Procedure, SURV-6, "Control Rod Calibration," Rev 0, dated July 1991, and associated forms

b. Observations and Findings

(1) Maintenance

The inspector reviewed selected maintenance procedures and maintenance records including the System Maintenance Log. This review showed that routine and preventive maintenance was controlled and documented in the maintenance and/or operations log consistent with licensee procedures and within the time frame specified. Verifications and operational systems checks were performed to ensure system operability before an item of equipment or a system was returned to service. Unscheduled maintenance or repairs were reviewed to determine if they required a 50.59 evaluation.

(2) Surveillance

The inspector reviewed selected surveillance procedures and records including the Weekly-Monthly Surveillance Log. The inspector determined that selected weekly, monthly, semiannual, and annual checks, tests, and/or calibrations for TS-required surveillances were completed as stipulated. The tests and calibrations reviewed were completed on schedule and in accordance with licensee procedures. The recorded results that were reviewed were within the TS and procedurally prescribed parameters or an explanation was given and corrective actions, if required, were documented. The records and logs reviewed were accurate, complete, and being maintained as required.

c. Conclusions

The licensee's maintenance program was being implemented as required by NETL procedures. The program for surveillance and calibration of equipment was being carried out in accordance with TS Section 3 and 4 requirements.

8. Experiments

a. Inspection Scope (IP 69001)

In order to verify that experiments were being reviewed, approved, and conducted within the guidelines specified in TS Section 6.4, the inspector reviewed:

- selected Experiment Authorization forms documenting the experiments as Routine or Special Experiments and designating them as Class A or B
- experiment review and approval by the NR Committee documented in the meeting minutes
- selected Operation Request Forms for 2003 to date with the associated Material Evaluation Sheets as needed
- UT-TRIGA ICS Console Operation Log sheets from 2003 through the present
- NETL Administrative Procedure, ADMIN-6, "Authorization of Experiments," Rev 1.01, dated February 19, 2003
- NETL Fuel Procedure, FUEL-2, "Movement of Experiments," Rev 0, dated June 1990
- NETL Experiment Procedure, EXP-PTS, "Pneumatic Transfer System," Ver 2.00, dated August 19, 1998
- NETL Experiment Procedure, EXP-B3.1, "Neutron Activation Analysis," Rev 0, dated January 1993
- NETL Operation Procedure, OPER-1, "Startup - Shutdown Checks," Ver 1.01, dated August 22, 2002, and associated forms
- NETL Operation Procedure, OPER-2, "Reactor Startup and Shutdown," Ver 1.00, dated May 3, 2002, and associated forms

b. Observations and Findings

The inspector noted that most of the experiments conducted at the facility were generally well-established procedures that had been in place for several years. These were the type of experiments known as Routine experiments and were authorized for repeat applications. Other experiments were specified as Special experiments and were those that were typically authorized for one particular application. The experiments were also classified as either Class A or Class B experiments. Class A experiments were those that were required to be conducted or supervised by an SRO. Class B experiments were those of less significance or hazard and required the presence of an RO with an SRO available as needed. There were four types of Class A experiments and four types of Class B experiments utilized at the facility.

The inspector verified that the experiments in use at the facility had been reviewed and approved by the NR Committee. It was also noted that the experiments were analyzed to provide such information as physical effects including reactivity, thermal hydraulic potential, and mechanical stress; material evaluation including radioactivity and material hazards; and class of experiment. An experiment review and/or safety analysis was also completed for each experiment.

The inspector verified that the experiments were conducted under the cognizance of an SRO or RO as required. The experiments and their results were documented on Operation Request forms, the Sample Log (In-Core) forms as required, the appropriate Startup - Shutdown Checks forms and in the UT-TRIGA ICS Console Operations Log as required. The records and forms were subsequently reviewed and filed as required by procedure. The radioactive material produced as a result of these irradiations was being controlled as stipulated by procedure.

c. Conclusions

The license's program for reviewing, approving, and conducting experiments satisfied regulatory and TS Section 6.4 requirements.

9. Design Change Functions

a. Inspection Scope (IP 69001)

In order to determine whether modifications to the facility were consistent with 10 CFR 50.59 and TS Section 6.2, the inspector reviewed:

- NR Committee meeting minutes for 2004
- completed audits and reviews for 2003 through 2004
- selected design changes reviewed under 10 CFR 50.59 for 2004
- UT-TRIGA 10 CFR 50.59 Review Checklist - Evaluation of Changes, Tests, or Experiments
- NETL Administrative Procedure, ADMIN-2, "Design Features and Quality Control," Rev 1, dated September 1991

b. Observations and Findings

The inspector reviewed selected design or equipment change packages that had been initiated and/or completed at the NETL. Through review of applicable records and interviews with licensee personnel, the inspector determined that the 10 CFR 50.59 evaluations had undergone a review by the NR Committee as required. Following the review, if the changes were acceptable, they were then approved in accordance with the TS requirements. It was noted that none of the changes was determined to constitute a safety concern and none required a change to the TS or a facility license amendment.

c. Conclusions

10 CFR 50.59 changes had been reviewed and approved by the NR Committee as required and none were determined to constitute a safety concern.

10. Emergency Preparedness

a. Inspection Scope (IP 69001)

The inspector reviewed selected aspects of:

- NETL Emergency Response Plan, Rev 1, dated November 1990
- Letters of Agreement with support organizations including the City of Austin Emergency Medical Services (EMS), City of Austin Fire Department, and the Brackenridge Hospital (a member of the Seton Healthcare Network)
- emergency response facilities, supplies, equipment, and instrumentation
- inventories of emergency response supplies, equipment, and instrumentation
- training records for the past two years
- emergency drills and exercises held during 2003 and 2004
- NETL Administrative Procedure, ADMIN-5, "Fire-Safety Protection Programs," Rev 0, dated September 1991
- NETL Emergency Procedure, PLAN-0, "Call and Notification," Ver 2.00, dated November 9, 2000
- NETL Emergency Procedure, PLAN-E, "Emergency Response," Ver 2.00, dated November 9, 2000

b. Observations and Findings

The Emergency Plan (E-Plan) in use at the reactor and emergency facilities was the same as the version most recently approved by the NRC. The inspector verified that emergency response facilities, supplies, instrumentation, and equipment were being maintained, controlled, and inventoried as required in the E-Plan.

The inspector verified that the E-Plan and implementing procedures were being audited and reviewed biennially as required and revised as needed. However, it was noted that the last review was dated November 7 and December 18-20, 2002. The licensee indicated that a review was to be completed by a member of the campus Environmental Health and Safety group and would be completed by the end of November 2004.

Through records review and interviews with licensee personnel, the inspector determined that emergency responders were knowledgeable of the proper actions to take in case of an emergency. Letters of Agreement with outside response organizations were being maintained and updated biennially as required. At the time of the inspection, the licensee was in the process of renewing the agreements with the hospital, fire department, and EMS services. Communications capabilities were acceptable and had been tested and emergency information updated as stipulated in the E-Plan.

Emergency drills had been conducted annually as required by the E-Plan. Records indicated that participation by off-site support organization at least every two years was also as required. Critiques were held following the drills to discuss the strengths and weaknesses identified during the exercises and to develop possible solutions to

any problems identified. The results of these critiques were documented. Emergency preparedness and response training for reactor staff personnel was being conducted and documented as stipulated in the E-Plan.

The inspector visited the Austin Fire Department, Station No. 21, and spoke with members of the Special Operations/Hazardous Material unit that would respond to the NETL during an emergency if needed. The fire department personnel were well equipped to handle such emergencies and the inspector noted good interaction between the personnel at the fire station and the licensee staff. The inspector also visited Seton Northeast Hospital near the NETL and spoke with members of the Emergency Room group who would handle medical emergencies during a problem at the facility if needed. The medical personnel were also noted to be well equipped to handle any emergencies and there was a good working relationship between the personnel at the hospital and the licensee staff. It was also noted during these visits that both the fire department and the hospital personnel volunteered to participate with the licensee in an upcoming drill.

c. Conclusions

The emergency preparedness program was being conducted in accordance with the Emergency Plan.

11. Exit Interview

The inspection scope and results were reviewed with the licensee on October 21, 2004. The inspector discussed the findings for each area reviewed. The licensee acknowledged the findings and did not identify as proprietary any of the material provided to or reviewed by the inspector during the inspection.

PARTIAL LIST OF PERSONS CONTACTED

Licensee

M. Krause	Reactor Supervisor and Senior Reactor Operator
S. Landsberger	Director, NETL
D. O'Kelly	Research Associate and Reactor Health Physicist
S. O'Kelly	Associate Director, NETL
L. Welch	Reactor Operator
A. Wharton	Senior Reactor Operator

Other Personnel

R. Easterling	Registered Nurse and Clinical Manager, Seton Northwest Hospital
P. Freasier	Captain, Austin Fire Department, Station No. 21
S. Pennington	Radiation Safety Officer, University of Texas at Austin

INSPECTION PROCEDURE USED

IP 69001 Class II Research and Test Reactors

ITEMS OPENED, CLOSED, AND DISCUSSED

Opened

None

Closed

None

PARTIAL LIST OF ACRONYMS USED

EMS	Emergency Medical Services
E-Plan	Emergency Plan
ICS	Instrumentation, Control, and Safety
IP	Inspection Procedure
Mw	Megawatt
NETL	Nuclear Engineering Teaching Laboratory
No.	Number
NR	Nuclear Reactor
NRC	Nuclear Regulatory Commission
Rev	Revision
RO	Reactor Operator
RTR	Research and Test Reactor
SRO	Senior Reactor Operator
TS	Technical Specifications
UT	University of Texas
Ver	Version