December 22, 2005

Dr. Sheldon Landsberger
Director, Nuclear Engineering Teaching Laboratory
The University of Texas at Austin
Pickle Research Campus, Building 159
Mail Code R9000
Austin, TX 78712-1024

SUBJECT: NRC INSPECTION REPORT NO. 50-602/2005-201

Dear Dr. Landsberger:

This letter refers to the inspection conducted on November 28 - December 1, 2005, at your University of Texas Nuclear Engineering Teaching Laboratory facility. The inspection included a review of activities authorized for your facility. The enclosed report presents the results of that inspection.

Areas examined during the inspection are identified in the report. Within these areas, the inspection consisted of selective examinations of procedures and representative records, interviews with personnel, and observations of activities in progress. Based on the results of this inspection, no safety concerns or noncompliances of NRC requirements were identified. No response to this letter is required.

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/

Brian E. Thomas, Branch Chief
Research and Test Reactors Branch
Division of Policy and Rulemaking
Office of Nuclear Reactor Regulation

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

Enclosure: NRC Inspection Report No. 50-602/2005-201
cc w/enclosure: Please see next page

cc:

Governor's Budget and
Planning Office
P.O. Box 13561
Austin, TX 78711

Bureau of Radiation Control
State of Texas
1100 West 49th Street
Austin, TX 78756

Mr. Roger Mulder
Office of the Governor
P.O. Box 12428
Austin, TX 78711

Test, Research, and Training
Reactor Newsletter
University of Florida
202 Nuclear Sciences Center
Gainesville, FL 32611

December 22, 2005

Dr. Sheldon Landsberger
Director, Nuclear Engineering Teaching Laboratory
The University of Texas at Austin
Pickle Research Campus, Building 159
Mail Code R9000
Austin, TX 78712-1024

SUBJECT: NRC INSPECTION REPORT NO. 50-602/2005-201

Dear Dr. Landsberger:

This letter refers to the inspection conducted on November 28 - December 1, 2005, at your University of Texas Nuclear Engineering Teaching Laboratory facility. The inspection included a review of activities authorized for your facility. The enclosed report presents the results of that inspection.

Areas examined during the inspection are identified in the report. Within these areas, the inspection consisted of selective examinations of procedures and representative records, interviews with personnel, and observations of activities in progress. Based on the results of this inspection, no safety concerns or noncompliances of NRC requirements were identified. No response to this letter is required.

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/
Brian E. Thomas, Branch Chief
Research and Test Reactors Branch
Division of Policy and Rulemaking
Office of Nuclear Reactor Regulation

Docket No. 50-602
License No. R-129
Enclosure: NRC Inspection Report No. 50-602/2005-201
cc w/enclosure: Please see next page

DISTRIBUTION:

PUBLIC	PRT r/f	AAdams	CBassett
PDoyle	TDragoun	WEresian	DHarrison
DHughes	EHylton	PIsaac	PYoung
MMendonca	JQuichocho	WSchuster	BThomas
MVoth	KWitt	DBarss (MS O6-H2)	

BDavis (Ltr only O5-A4) NRR enforcement coordinator (Only for IRs with NOVs, O10-H14)

ACCESSION NO.: ML053490224 **TEMPLATE #: NRR-106**

OFFICE	PRT:RI		PRT:LA		PRT:BC	
NAME	CBassett (AAdams for)		EHylton		BThomas	
DATE	12/19/2005		12/16/2005		12/21/2005	

C = COVER **E = COVER & ENCLOSURE** **N = NO COPY**
OFFICIAL RECORD COPY

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

Docket No:	50-602
License No:	R-129
Report No:	50-602/2005-201
Licensee:	The University of Texas at Austin
Facility:	Nuclear Engineering Teaching Laboratory
Location:	Pickle Research Campus, Bldg. 159 10100 Burnet Road Austin, TX 78758
Dates:	November 28 - December 1, 2005
Inspector:	Craig Bassett
Approved by:	Brian E. Thomas, Branch Chief Research and Test Reactors Branch Division of Policy and Rulemaking Office of Nuclear Reactor Regulation

EXECUTIVE SUMMARY

The University of Texas
Nuclear Engineering Teaching Laboratory
Report No.: 50-602/2005-201

The primary focus of this routine, announced inspection included onsite review of selected aspects of the licensee's Class II research and test reactor safety programs including: organizational structure and staffing, review and audit and design change functions, radiation protection, environmental protection, health physics procedures, and transportation of radioactive material since the last NRC inspection in these areas. The licensee's programs were acceptably directed toward the protection of public health and safety, and in compliance with NRC requirements.

Organizational Structure and Staffing

- The organizational structure, functions, and staffing were consistent with Technical Specification requirements.

Review and Audit and Design Change Functions

- The review and audit program satisfied Technical Specification requirements.
- Changes made at the facility since the last NRC inspection had been reviewed using the 10 CFR 50.59 safety evaluation process and had been reviewed and approved by the Reactor Oversight Committee as required.

Radiation Protection

- Periodic surveys were completed and documented as required by 10 CFR Part 20, the Technical Specifications, and licensee procedures.
- Postings and signs met regulatory requirements.
- Personnel dosimetry was being worn as required and recorded doses were within the NRC's regulatory limits of 10 CFR Part 20.
- Portable survey meters, radiation monitoring equipment, and laboratory counting instruments were being calibrated and maintained according to TS and industry/equipment manufacturer standards and licensee procedures.
- The Radiation Protection and ALARA Programs satisfied the requirements of 10 CFR 19.12, 10 CFR 20.1101, and licensee procedures.
- Radiation protection training was acceptable.

Environmental Protection

- Effluent monitoring satisfied license and regulatory requirements and releases were within the specified regulatory and Technical Specification limits.

Procedures

- Procedural control and implementation satisfied Technical Specification requirements.

Transportation of Radioactive Materials

- Radioactive material was being shipped in accordance with campus and licensee procedures and the applicable regulatory requirements.

REPORT DETAILS

Summary of Plant Status

The licensee's TRIGA Mark II research reactor continued to be operated in support of operator training, experiments, and surveillance. During the inspection, the reactor was operated on several occasions to support ongoing experiments.

1. Organizational Structure and Staffing

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

The inspector reviewed the following regarding the licensee's organizational structure and functions to ensure that the requirements of Sections 6.1.1 through 6.1.3 of Technical Specifications (TS), Revision 1, Amendment No. 4, dated, May 10, 2001, were being met:

- qualifications of Health Physics personnel
- Facility Annual Reports for 2003 and 2004
- management responsibilities and administrative controls
- The University of Texas (UT) Nuclear Engineering Teaching Laboratory (NETL) organizational structure and staffing
- administrative controls outlined in NETL Procedure Number (No.) ADMN-3, "Personnel and Operator Qualifications," Revision (Rev.) 0, dated September 1991

b. Observations and Findings

Through records review and interviews with licensee personnel, the inspector noted that the health physics (HP) organizational structure and staffing had changed since the last inspection in this area (see NRC Inspection Report No. 50-602/2003-201). The reactor HP staff consisted of one full time health physicist (the NETL reactor health physicist, who was also the NETL Laboratory Manager), and a half-time student position. The inspector verified that the people filling these positions were qualified to do so.

The campus HP staffing consisted of the Radiation Safety Officer (RSO) and three technical staff members. The RSO was also a member of the UT Reactor Oversight Committee. Campus personnel provided support to the reactor HP staff, however, the reactor staff performed most HP functions at the reactor. Coordination of HP activities between the two groups was acceptable. Structure, responsibilities and staffing was as reported in the Annual Report and as required by TS Sections 6.1.1 through 6.1.3.

c. Conclusions

The organizational structure, functions, and staffing were consistent with TS requirements.

2. Review and Audit and Design Change Functions

a. Inspection Scope (IP 69001)

In order to ensure that the audits and reviews stipulated in the requirements of TS Section 6.2 were being completed, the inspector reviewed the following:

- responses to safety reviews and audits
- ALARA Committee meeting minutes for 2004 and 2005
- UT Reactor Oversight Committee (UT-ROC) meeting minutes and records
- UT-ROC safety review and audit records from October 2004 to the present
- NETL Procedure No. ADMN-2, “Procedures for Design Features and Quality Assurance,” Rev. 1, dated September 1991
- “Reactor Oversight Committee Charter,” review and approval dated February 17, 2005

b. Observations and Findings

(1) Review and Audit Functions

UT-ROC meeting minutes and records and ALARA Committee meeting minutes from September 2004 through the present were reviewed. The committees were meeting at the required frequency and a quorum was present at each meeting. The inspector verified that the UT-ROC and ALARA committee meetings and the memberships thereof satisfied TS Section 6.2 review and audit requirements and the ALARA Committee's procedural rules. The records showed that safety reviews and audits were conducted by various members of the UT-ROC or other designated persons as required and at the TS required frequency. Topics of these reviews were consistent with TS requirements to provide guidance, direction, and oversight, and to ensure acceptable use of the reactor and appropriate implementation of the radiation protection program. The inspector noted that the safety reviews and audits and the associated findings were acceptably detailed and that the licensee responded and took corrective actions as needed.

(2) Design Change Functions

Through review of applicable records and interviews with licensee personnel, the inspector determined that various changes had been initiated and/or completed at the facility since the last NRC inspection. The following evaluations were reviewed: "Tektronix Monitor Upgrade," "Control Console Chart Recorder Upgrade," and "RACE Project Electron Linear Accelerator in Beam Port 5."

The inspector verified that the changes had been evaluated using the licensee's 10 CFR 50.59 review process outlined in NETL Procedure No. ADMN-2. The licensee evaluations were then reviewed by the UT-ROC as required. It was noted that none of the changes required NRC approval prior to implementation.

c. Conclusions

The review and audit program satisfied TS requirements. Changes made at the facility since the last NRC inspection had been reviewed using the 10 CFR 50.59 safety evaluation process and had been reviewed and approved by the UT-ROC as required.

3. Radiation Protection Program

a. Inspection Scope (IP 69001)

The inspector reviewed selected aspects of the following to verify compliance with 10 CFR Parts 19 and 20 and TS Sections 3.3.3, 4.3.3, and 6.6.1:

- UT-NETL Annual Reports for 2003 and 2004
- dosimetry/exposure records for 2004 through 2005
- As Low As Reasonably Achievable (ALARA) reviews
- ALARA Committee meeting minutes for 2004 and 2005
- radiological signs and posting in various areas of the facility
- routine periodic surveys and monitoring documented on the appropriate survey forms and/or maps
- maintenance and calibration records of selected portable survey meters, radiation monitoring equipment, and laboratory counting equipment
- The University of Texas at Austin "Radiation Safety Manual," effective date April 2001, approved by the Texas Department of Health
- Radiation Work Permit (RWP) Log and RWP Nos. 2004-03P, 2004-07P, 2004-08, 2004-14, 2005-01P, 2005-2P, and 2005-06P

- NETL Procedure No. ADMN-4, “Radiation Protection Program,” Rev. 0, dated September 1991
- NETL Procedure No. HP00-1, “Radiation Monitoring - Personnel,” Version 2.00, dated November 8, 2000
- NETL Procedure No. HP00-2, “Radiation Monitoring Facility,” Version 2.00, dated November 8, 2000
- NETL Procedure No. HP00-3, “NETL ALARA Program,” Version 2.00, dated November 8, 2000
- NETL Procedure No. HP00-4, “Radiation Protection Training,” Version 2.00, dated November 9, 2000
- NETL Procedure No. HP00-5, “Radiation Monitoring Equipment,” Version 2.00, dated April 24, 2001
- NETL Procedure No. HP00-6, “Radioactive Material Control,” Version 2.00, dated November 9, 2000
- NETL Procedure No. HP00-7, “Radiation Work Permits (RWPs),” Version 2.00, dated April 19, 2001
- NETL Procedure No. MAIN-4, “Area Radiation Monitor Systems,” Rev 3, dated May 30, 2000
- NETL HP1 Form-A, “Daily Exposure Logsheet,” form dated November 1, 2000
- NETL HP1 Form-B, “Visitor Dosimeter Record,” form dated November 1, 2000
- NETL Staff and Personnel Training Record forms, form dated November 9, 2000
- NETL Area Monitors Weekly response check forms, form dated January 6, 2003
- NETL Form A Eberline RMS II calibration forms, form dated May 30, 2000
- NETL Form B Ludlum 333-2 calibration forms, form dated May 30, 2000
- NETL HP00-5 Attachment A, “Bicron Frisk-Tech Calibration” forms, form dated April 24, 2001
- NETL HP00-5 Attachment B, “Bicron Micro-Rem Calibration” forms, form dated April 24, 2001
- NETL HP00-5 Attachment C, “Eberline RO-2A Calibration” forms, form dated April 24, 2001

- NETL HP00-5 Attachment D, “Eberline RM-14S Calibration” forms, form dated April 24, 2001
- NETL HP00-5 Attachment E, “Pocket Dosimeter Calibration” forms, form dated April 24, 2001
- NETL HP00-5 Attachment P, “Generic Frisker Calibration” forms, form dated April 24, 2001
- NETL HP00-5 Attachment O, “Generic Ratemeter Calibration” forms, form dated April 24, 2001

b. Observations and Findings

(1) Surveys

Selected weekly, monthly, quarterly, and other periodic radiation and/or contamination surveys for 2004 and 2005 were reviewed by the inspector. The inspector verified that the surveys for this time period had been completed by HP staff members as required. Surveys were generally annotated on a detailed map with additional information indicating the time, date, and person performing the survey. Results were evaluated and corrective actions taken and documented when readings/results exceeded established action levels, prior to exceeding regulatory limits.

During the inspection the inspector conducted a radiation survey along side a licensee representative. Areas surveyed at the facility included the Reactor Bay and associated support rooms/areas. The radiation levels noted by the inspector were comparable to those found by the licensee and no anomalies were noted.

(2) Postings and Notices

Copies of current notices to workers were posted in appropriate areas in the facility. Radiological signs and survey maps were typically posted at the entrances to controlled areas. Other postings also showed the industrial hygiene hazards that were present in the areas as well. The copies of NRC Form-3, “Notice to Employees,” noted at the facility were the latest issue and were posted in various areas throughout the facility. These locations included the bulletin board in the hallway by the front office and in the corridor leading to the Reactor Control Room.

Caution signs, postings, and controls for radiation areas were as required in 10 CFR Part 20, Subpart J. Licensee personnel observed the precautions for access to radiation and other controlled areas.

(3) Dosimetry

The inspector determined that the licensee used optically stimulated luminescent (OSL) dosimeters for whole body monitoring of beta and gamma radiation exposure with an additional component to measure neutron radiation. The licensee used thermoluminescent dosimeter (TLD) finger rings for extremity monitoring. Dosimetry was issued to staff and visitors as outlined in licensee procedures. The issuing criteria met or exceeded the requirements of 10 CFR 20.1502 for individual monitoring. The dosimetry was supplied and processed by a National Voluntary Laboratory Accreditation Program (NVLAP) accredited vendor. An examination of the OSL and TLD monitoring results indicating radiological exposures at the facility for the past two years showed that the highest occupational doses, as well as doses to the public, were within 10 CFR Part 20 limitations. The records showed that the highest annual whole body exposure received by a single facility employee for 2004 was 337 millirem (mrem) deep dose equivalent (DDE). The highest annual extremity exposure for 2004 was 470 mrem shallow dose equivalent (SDE). The highest annual whole body exposure received by a single facility employee for 2005, to date, was 482 DDE. The highest annual extremity exposure so far this year was 760 mrem SDE.

Through direct observation the inspector determined that dosimetry was acceptably used by facility personnel and exit frisking practices were in accordance with radiation protection requirements.

(4) Radiation Monitoring Equipment

Examination of selected radiation monitoring equipment in service at the facility indicated that the instruments had the acceptable up-to-date calibration sticker attached. The instrument calibration records reviewed by the inspector indicated calibration of portable survey meters was typically completed by licensee staff personnel. However, some instruments were shipped to vendors for calibration. When an instrument did not meet the calibration criteria, it was tagged out of service. Calibration frequency met procedural requirements and records were maintained as required. Area Radiation Monitors, Constant Air Monitors, and stack monitors were also being calibrated as required. These monitors were also typically calibrated by licensee staff personnel.

(5) Radiation Protection Program

The licensee's Radiation Protection and ALARA programs were established and described in the NETL Procedure Nos. ADMN-4 and HP00-3, as well as through The University of Texas at Austin Radiation Safety Manual. The programs contained instructions concerning organization, training, monitoring, personnel responsibilities, audits, record keeping, and reports. The programs, as established, appeared to be acceptable. The ALARA program provided guidance for keeping doses as low as reasonably achievable, which was consistent with the guidance in 10 CFR Part 20.

The inspector determined that the licensee had completed an annual review of the radiation protection program in accordance with 10 CFR 20.1101(c) for 2004 and 2005 as required. This was accomplished through the annual ALARA Committee Meetings. No program deficiencies were identified but various suggestions were made for program improvement.

The licensee did not require or have a respiratory protection program or planned special exposure program.

(6) Radiation Work Permits (RWPs)

The inspector reviewed selected RWPs that had been written and used during 2004 and 2005 as stipulated in NETL Procedure No. HP00-7. It was noted that the controls specified in the RWPs were acceptable and applicable for the type of work being done. The RWPs had been initiated, reviewed, and approved as indicated on the forms. The RWP program was acceptable.

(7) Radiation Protection Training

The inspector reviewed the radiation worker (rad worker) training given to NETL facility faculty and staff members and to students and student assistants. The licensee indicated that initial rad worker training was given when an individual first arrived at the facility and refresher training was given every two years thereafter. Training records showed that personnel were acceptably trained in radiation protection practices. The inspector verified that the training received was in compliance with 10 CFR Part 19. The training program was acceptable.

(8) Facility Tours

The inspector toured the Reactor Bay, the Coolant Treatment room, the Auxiliary Equipment room, and selected support laboratories with licensee representatives. The inspector noted that facility radioactive material storage areas were properly posted. No unmarked radioactive material was noted.

c. Conclusions

The inspector determined that the Radiation Protection and ALARA Programs, as implemented by the licensee, satisfied regulatory requirements because: 1) surveys were completed and documented acceptably to permit evaluation of the radiation hazards present; 2) postings met regulatory requirements; 3) personnel dosimetry was being worn as required and recorded doses were within the NRC's regulatory limits; 4) radiation survey and monitoring equipment was being maintained and calibrated as required; 5) the Radiation Protection and ALARA Programs satisfied regulatory requirements; and, 6) the radiation protection training program was acceptable.

4. Environmental Protection Program

a. Inspection Scope (IP 69001)

To determine that the licensee was complying with the requirements of the 10 CFR Part 20 regulations and TS Sections 3.3.3, 4.3.3, and 6.6.1, the inspector reviewed selected aspects of:

- NETL environmental monitoring program
- environmental monitoring release records
- UT-NETL Annual Reports for 2003 and 2004
- NETL Procedure No. HP00-2, “Radiation Monitoring Facility,” Version 2.00, dated November 8, 2000
- NETL Procedure No. HP00-3, “NETL ALARA Program,” Version 2.00, dated November 8, 2000
- NETL Procedure No. MAIN-4, “Area Radiation Monitor Systems,” Rev. 3, dated May 30, 2000
- NETL Procedure No. NETL-2, “Liquid Radioactive Waste System,” Rev. 0, dated September 1991
- NETL Air Monitors Wk-Mnth response check forms
- NETL Form C PRM AR1000 calibration forms
- NETL Form D PRM AR1000 (gas) calibration forms

b. Observations and Findings

The program for the monitoring, storage, and release of radioactive liquid and gases was consistent with 10 CFR Part 20. Gaseous releases were monitored by the licensee as required and calculated using a facility procedure. Records were acceptable and showed gaseous releases well within the annual dose constraint stipulated in 10 CFR 20.1101(d) and the 10 CFR Part 20, Appendix B concentrations, as well as TS 3.3.3 limits.

Radioactive liquid releases were infrequent and were monitored and released when below 10 CFR Part 20, Appendix B limits. Records reviewed confirmed that the facility had not released any radioactive material in 2004 or 2005. ALARA principles were acceptably implemented to minimize radioactive releases. Monitoring equipment was acceptably maintained and calibrated.

The environmental monitoring program consisted of six TLD dosimeters placed at selected locations adjacent to the NETL building and read quarterly. Dosimetry results since the last inspection were typically near or below the vendors minimum reportable levels for x- and gamma rays and energetic beta particles. One anomaly occurred during the first two quarters of 2005. A facility TLD monitoring the exterior of the building near a radioactive material storage area recorded a dose of about 100 mrem for the quarter. The licensee investigated the problem and found that neutron sources had been moved from the Neutron Generator Room and stored in the Reactor Bay. The sources were subsequently moved into the fuel storage pits and the problem was eliminated. An evaluation of the dose to the public indicated that the area was inaccessible to a member of the public and, based on a realistic occupancy factor, no one could have received a dose in excess of that allowable by 10 CFR Part 20.

c. Conclusions

Based on the records reviewed, the effluent monitoring and release program satisfied NRC requirements.

5. Procedures

a. Inspection Scope (IP 69001)

The inspector reviewed selected aspects of the following to verify compliance with TS Section 6.3 requirements:

- procedural implementation
- records of changes to NETL procedures
- records of UT-ROC review and approval
- administrative controls documented in NETL Procedure No. ADMN-1, “NETL Procedure Outline and Control,” Version 2.00, dated April 19, 2001
- NETL Procedure No. FUEL-1, “Movement of Fuel,” Version 1.00, dated February 14, 2005

b. Observations and Findings

HP procedures were available for those tasks and items required by TS Section 6.3. The licensee controlled changes and temporary changes to procedures, and associated review and approval processes, by use of administrative procedures.

Training of personnel on procedures and subsequent changes to procedures was acceptable. The inspector observed personnel conducting radiation surveys, issuing dosimetry, and conducting experiments in accordance with applicable procedures.

c. Conclusions

Based on the procedures and records reviewed and observations of staff during the inspection, the procedural control and implementation program satisfied TS requirements.

6. Transportation of Radioactive Material

a. Inspection Scope (IP 86740)

To verify compliance with regulatory and procedural requirements for the transfer or shipment of licensed radioactive material, the inspector reviewed the following:

- Radioactive Material Storage Log forms
- Radioactive Material Transfer Record forms
- selected records of various types of radioactive material shipments
- training records of staff members responsible for shipping licensed radioactive material
- NETL Procedure No. HP00-6, “Radioactive Material Control,” Version 2.00, dated November 9, 2000

b. Observations and Findings

The transport of radioactive material was reviewed. Through records review and discussions with licensee personnel, the inspector determined that the licensee had shipped various types of radioactive material since the previous inspection in this area. The records indicated that the radioisotope types and quantities were calculated and dose rates measured as required. The records also indicated that the shipping containers were appropriate and had been labeled as required. All radioactive material shipment records reviewed by the inspector had been completed in accordance with Department of Transportation and NRC regulatory requirements.

The inspector verified that the licensee maintained copies of the recipients’ licenses to possess radioactive material as required and that the licenses were verified to be current prior to initiating a shipment. People designated as “shippers” had been properly trained to do so and the appropriate documentation was on file.

c. Conclusions

Radioactive material was shipped in accordance with the applicable regulations and licensee procedures.

7. Exit Meeting

The inspector presented the inspection results to members of licensee management at the conclusion of the inspection on December 1, 2005. The licensee acknowledged the findings presented. The licensee did not identify as proprietary any material reviewed as part of this inspection.

PARTIAL LIST OF PERSONS CONTACTED

Licensee

M. Krause	Reactor Supervisor
S. Landsberger	Director, NETL
D. O'Kelly	Reactor Health Physicist and Laboratory Manager
S. O'Kelly	Associate Director, NETL
D. Tillman	Research Associate and Health Physics Technician

Other Personnel

J. Brett	ITS Staff, UT

INSPECTION PROCEDURE USED

IP 69001	Class II Non-Power Reactors
IP 86740	Inspection of Transportation Activities

ITEMS OPENED, CLOSED, AND DISCUSSED

Opened

None

Closed

None

PARTIAL LIST OF ACRONYMS USED

ALARA	As Low As Reasonably Achievable
CFR	Code of Federal Regulations
DDE	Deep Dose Equivalent
HP	Health Physics
NETL	Nuclear Engineering Teaching Laboratory
NRC	Nuclear Regulatory Commission
OSL	Optically stimulated luminescent (dosimeter)
Rev.	Revision
RSO	Radiation Safety Officer
RPP	Radiation Protection Program
RWP	Radiation Work Permit
SDE	Shallow Dose Equivalent
TLD	Thermoluminescent dosimeter
TS	Technical Specifications
UT	University of Texas
UT-ROC	University of Texas Reactor Oversight Committee