

May 13, 2010

Dr. Raymond Juzaitis
Head of Nuclear Engineering
Texas A&M University
Zachry Bldg. Room 129
College Station, TX 77843-3133

SUBJECT: TEXAS A&M UNIVERSITY - NRC ROUTINE INSPECTION REPORT NO.
50-059/2010-201

Dear Dr. Juzaitis:

On April 19-21, 2010, the U.S. Nuclear Regulatory Commission (NRC, the Commission) completed an inspection at your Texas A&M University AGN-201M Research Reactor facility (Inspection Report No. 50-059/2010-201). The enclosed inspection report documents the inspection results, which were discussed on April 21, 2010, with you and C. Crouch, the Reactor Supervisor.

The inspection examined activities conducted under your license as they relate to safety and compliance with the Commission's rules and regulations and with the conditions of your license. The inspector reviewed selected procedures and records, observation of activities, and interviews with personnel. Based on the results of this inspection, no findings of significance were identified. No response to this letter is required.

In accordance with Title 10 of the *Code of Federal Regulations* Section 2.390, "Public inspections, exemptions, and requests for withholding", a copy of this letter, its enclosure, and your response (if any) will be available electronically for public inspection in the NRC Public Document Room or from the NRC's document system (Agencywide Documents Access and Management System (ADAMS)). ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

Should you have any questions concerning this inspection, please contact Mike Morlang at (301) 415-4092 or by electronic mail at gmm3@nrc.gov.

Sincerely,

/RA by Patrick Isaac for/
Johnny H. Eads, Jr., Chief
Research and Test Reactors Oversight Branch
Division of Policy and Rulemaking
Office of Nuclear Reactor Regulation

Docket No. 50-059
License No. R-023

Enclosure: NRC Inspection Report No. 50-059/2010-201
cc w/encl: See next page

Texas A&M University

Docket No. 50-59

cc:

Mayor of the City of College Station
College Station, TX 77843-3575

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

Dr. W. D. Reece
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Test, Research, and Training
Reactor Newsletter
University of Florida
202 Nuclear Sciences Center
Gainesville, FL 32611

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TEMPLATE #: NRC-002

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DATE	5/13/2010	5/13/2010	5/13/2010

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

Docket No.: 50-059

License No.: R-23

Report No.: 50-059/2010-201

Licensee: Texas A&M University

Facility: AGN-201M Research Reactor

Location: College Station, TX

Dates: April 19-21, 2010

Inspectors: Mike Morlang
Craig Bassett

Approved by: Johnny H. Eads, Jr., Chief
Research and Test Reactors Oversight Branch
Division of Policy and Rulemaking
Office of Nuclear Reactor Regulation

EXECUTIVE SUMMARY

Texas A&M University
AGN-201M Research Reactor
Report No: 50-059/2010-201

The primary focus of this routine, announced inspection included on-site review of selected aspects of the Texas A & M University's (the licensee's) Class II research reactor safety program including: 1) operations logs and records; 2) requalification training; 3) surveillance and limiting conditions for operations, 4) experiments; 5) radiation protection, 6) effluents and environmental monitoring; 7) emergency planning; 8) maintenance logs and records; and 9) fuel handling logs and records since the last U. S. Nuclear Regulatory Commission (NRC) inspection of these areas. The licensee's program was acceptably directed toward the protection of public health and safety, and in compliance with NRC requirements. No deviations or violations were identified.

Operations Logs and Records

- The reactor remained in an extended shutdown condition and no reactor operations had been conducted for over ten years. .

Operator Licenses, Requalification, and Medical Activities

- There was one licensed senior reactor operator. Requalification was being conducted using the Texas A&M University (TAMU) Nuclear Science Center (NSC) reactor for reactivity manipulations.

Surveillances and Limiting Conditions for Operation

- The licensee's reactor Restart Plan was still being drafted but will include steps to complete all Technical Specification-required surveillance items prior to restarting the reactor.

Experiments

- The program for conducting and controlling experiments was in place but no experiments had been conducted since the reactor was last operated in August 1999.

Radiation Protection Program

- Surveys were being completed and documented acceptably.
- Postings met the regulatory requirements specified in Title 10 of the *Code of Federal Regulations* Parts 19 and 20.
- Personnel dosimetry was being worn as required and doses were well within the licensee's procedural action levels and NRC's regulatory limits.
- Radiation monitoring equipment was being maintained and calibrated as required.

- The Radiation Protection Program being implemented by the licensee satisfied regulatory requirements.

Effluents and Environmental Monitoring

- Effluent monitoring satisfied license and regulatory requirements and there had been no releases of radioactive effluents.

Emergency Preparedness

- Emergency training and requalification were not being completed due to the extended shutdown but annual emergency drills were being completed as required by the Emergency Plan.

Maintenance Logs and Records

- Maintenance was being conducted in accordance with approved procedures.

Fuel Movement

- Following the licensing of the interim reactor supervisor the core was loaded under his supervision.

REPORT DETAILS

Summary of Plant Status

The Texas A&M University (TAMU, the licensee) 5 watt Aerojet General Nucleonics-201 Modified (AGN-201M) training reactor continued to be maintained in an extended shutdown condition. The licensee had recently completed an upgrade to the control system to utilize current digital technology. During the inspection, the reactor was not operated because needed procedure revisions and systems checkouts had not yet been completed. Records showed that the reactor had not been operated since August 25, 1999.

1. Reactor Operations and Logs and Records

a. Inspection Scope (IP 69001)

The inspectors reviewed selected portions and/or aspects of:

- Reactor Safety Board meeting minutes for October 31, 2007 to the present
- Annual Operating Report of the Texas A&M University AGN-201M Training Reactor, for the period June 1, 2007 - May 31, 2008
- Annual Operating Report of the Texas A&M University AGN-201M Training Reactor, for the period June 1, 2008 - May 31, 2009

b. Observations and Findings

As noted previously, the last date of operation of the reactor was August 25, 1999. In order to improve the operation of the reactor, the licensee had completed various upgrades to different components of the reactor control system. Most recently, the licensee had completed the reconfiguration of the control console to have digital outputs for power and period in addition to having analog scrams to conform to the present safety analysis report. The licensee sent a letter to the U. S. Nuclear Regulatory Commission (NRC) on June 16, 2003, stating that the reactor would be ready for restart by September 15, 2003. Due to unforeseen complications, the work on the control console upgrade was delayed numerous times since the letter was sent to the NRC.

During this inspection, it was noted that the licensee had not yet finalized a schedule or sent a letter to the NRC concerning the upgrades and the anticipated resumption of reactor operations. The licensee has developed a draft "Texas A&M University (TAMU) AGN-201M Reactor Upgrade Status Report, Startup Plan, and Tentative Schedule," dated December 7, 2009; which was submitted to the project manager in December 2009. Through this report the licensee indicated that they were aggressively planning on a restart date of sometime in the summer of 2010.

c. Conclusion

There have been no reactor operations conducted since August 25, 1999.

2. Operator Licenses, Requalification, and Medical Activities

a. Inspection Scope (IP 69001)

The inspectors reviewed the following in order to determine whether operator training and requalification activities were conducted as required and that medical requirements were met as required by the licensee's "Requalification Program for Licensed Reactor Operators and Senior Reactor Operators - Texas A&M University," modified May 20, 1988:

- Reactivity manipulations
- Operator active license status
- Operator physical examination status
- Training and written examination results

b. Observations and Findings

The interim Reactor Supervisor had completed a Senior Reactor Operator (SRO) License exam in September 2008. A permanent reactor supervisor was hired in November 2009. The licensed SRO at the facility is also a licensed SRO at the TAMU Nuclear Science Center and participates in requalification at the Nuclear Science Center (NSC) facility including reactivity manipulations and lectures.

Licensed operator medical records were complete and up to date.

The new requalification plan addresses an "accelerated" requalification program which involves all personnel associated with the restart of the reactor. All required lectures and training evolutions will be conducted immediately prior to the reactor restart. The new requalification plan has not been submitted to the NRC.

c. Conclusion

The license was using available and functional facilities to maintain requalification.

3. Surveillance and Limiting Conditions for Operation

a. Inspection Scope (IP 69001)

The inspectors reviewed the following to ensure that the surveillance requirements and limiting conditions for operation specified in Technical Specifications (TS) Section 4.0 will be met prior to restart:

- AGN Reactor Console Instrumentation and Electronics Upgrade Modification Authorization, dated January 21, 2008
- List of Activities Associated with Readying the AGN for Startup

- Maintenance Log dated November 3, 1983 to present
- Scram Circuit diagram
- Console Upgrade Block diagram
- Surveillance and Maintenance records notebook
- CRIS-6, Maintenance Procedure for conducting a detailed Control Rod Inspection and Functional Check, dated October 16, 1979
- Annual Reports for the Texas A&M University AGN-201M Training Reactor for the periods from June 1, 2007 to May 31, 2008 and from June 1, 2008 to May 31, 2009

b. Observations and Findings

The inspectors noted that the reactor was in an extended shutdown condition and that the licensee had not been conducting any surveillance on the reactor for several years. The licensee was aware that the actions specified in TS Section 4 would be required to be completed prior to bringing the reactor back into full operation and an ongoing program conducted thereafter. The licensee was committed to following the surveillance program once the reactor was again operational.

c. Conclusion

The licensee's reactor Restart Plan is still in draft form but will include steps to complete all TS required surveillance items prior to restarting the reactor.

4. Experiments

a. Inspection Scope (IP 69001)

The inspectors reviewed the following to verify that experiments would be conducted within approved guidelines specified in TS Sections 3 and 4:

- Documentation of experiment review and approval by the Reactor Safety Board (RSB)
- Listing of Texas A&M Approved Experiments contained in the program document entitled "Reactor Experiments for the Texas A&M University AGN-201M Reactor Facility" including:
 - "Startup and Operation of the AGN-201M Reactor," (REXP-1), approval dated February 16, 1976
 - "Irradiation of Compounds Composed of Elements One Through Eighty-Three in the Glory Hole or Access Port," (REXP-2), approval dated February 16, 1976
 - "Control Rod Calibration by the Rod Drop Method," (REXP-3), approval dated February 16, 1976
 - "Control Rod Calibration by Positive Period Measurement," (REXP-4), approval dated February 16, 1976

- "Reactivity Perturbations," (REXP-5), approval dated February 16, 1976
- "Delayed Neutron Half-Life Measurements," (REXP-6), approval dated February 16, 1976
- "Transfer Function Measurement," (REXP-7), approval dated February 16, 1976
- "Irradiation of Natural or Enriched Uranium in the AGN-201M Glory Hole," (REXP-8), approval dated February 16, 1976
- "Irradiation Experiments in the Thermal Column," (REXP-9), approval dated February 16, 1976
- "A Critical Experiment for the AGN-201M Reactor," (REXP-10), approval dated February 16, 1976
- Annual Reports for the Texas A&M University AGN-201M Training Reactor for the periods from June 1, 2007 to May 31, 2008, dated April 7, 2009, and from June 1, 2008 to May 31, 2009, dated November 3, 2009

b. Observations and Findings

Various types of experiments had been proposed to be conducted on a routine basis at the facility. The inspectors verified that experiments had been reviewed and approved by the RSB as required. The experiments were well-established procedures that have been in place for many years. Because the reactor had not been operational since August 25, 1999, no experiments had been conducted during that period. It was anticipated that, when the reactor was operational/functioning again, the various experiments would again be performed. The inspectors reiterated to the licensee that any new experiments proposed in the future would require the completion of a Title 10 of the *Code of Federal Regulations* (10 CFR) Section 50.59 Evaluation and potentially the review and approval of the RSB.

The inspectors indicated that the licensee might want to consider reevaluating all the approved experiments since they had been approved many years ago. The inspectors suggested that the licensee consider each experiment as if it were a new experiment and ensure that it met the criteria specified in 10 CFR 50.59, that all the various hazards were properly identified, that control of irradiated items was specified, that the appropriate constraints were listed, if needed, and that the reactivity worth of the material being irradiated be evaluated and determined properly.

c. Conclusion

The program for conducting and controlling experiments was in place but no experiments had been conducted since the reactor was last operated in August 25, 1999. The licensee may consider reevaluating each currently approved experiment to ensure that the criteria of 10 CFR 50.59 were met.

5. Radiation Protection and Environmental Monitoring

a. Inspection Scope (IP 69001)

The inspectors reviewed the following to verify compliance with 10 CFR Parts 19 and 20, as well as Section 4.4.c of the TS:

- Area dosimetry results for 2009
- Personnel dosimetry results for 2009
- Training records for the AGN-201M Reactor staff
- Radiological signs and postings in various areas of the facility
- Maintenance and calibration of radiation monitoring equipment
- Monthly Contamination and Radiation Survey Forms for the AGN Complex dated 2009 to present
- Annual Reports for the Texas A&M University AGN-201M Training Reactor for the periods from June 1, 2007 to May 31, 2008, dated April 7, 2009, and from June 1, 2008 to May 31, 2009, dated November 3, 2009

b. Observations and Findings

(1) Surveys

The inspectors reviewed monthly radiation and contamination surveys of the AGN-201M reactor facility completed by Texas A&M University Environmental Health and Safety Department (EHSD) Radiation Safety Staff personnel. This also included the annual survey required by the TS. The surveys had generally been completed monthly as required by the Texas A&M Radiological Safety Program Manual. The results were documented on the appropriate forms and evaluated as required. No elevated contamination levels were noted during the inspection period.

During the inspection, the inspectors conducted an independent radiation survey of the Reactor Room. The readings were similar to those the licensee had detected and no anomalies were noted.

(2) Postings and Notices

The inspectors reviewed the postings at the entrances to the facility controlled areas. The postings generally indicated the radiation hazards present. The licensee was cautioned to not "over post" areas but to ensure that, depending upon the postings involved, they indicated that they referred to those periods of time when the reactor was operating. Other postings also showed the industrial hygiene hazards present in the areas. The facility's radioactive material storage areas were noted to be properly posted. No unmarked radioactive material was detected in the facility. Copies of current notices to workers required by 10 CFR Part 19 were posted on the door outside the hallway leading to the reactor area.

(3) Dosimetry

The licensee used a National Voluntary Laboratory Accreditation program-accredited vendor, Landauer, to process personnel and area dosimetry. Through direct observation, the inspectors determined that dosimetry was acceptably used by facility personnel. For visitors to the facility, no dosimetry was issued for monitoring due to low background readings and no direct exposures to sources.

An examination of the records for the inspection period showed that all exposures were well within NRC limits and within licensee action levels. During 2009, there were four people at the facility that are being monitored. To date in 2010 there were seven being monitored. Monitoring was accomplished by using optically stimulated luminescence (OSL) dosimeters. All of the personnel associated with the facility during 2009 received exposures that were less than 10 millirem (mr) for the entire year.

(4) Radiation Monitoring Equipment

The calibration of portable survey meters and friskers was typically completed by an outside contractor. There were no fixed radiation detectors installed at the facility. The calibration stickers of portable survey meters and friskers in use at the facility were reviewed. Calibration frequency met the requirements established in the applicable procedures while records were being maintained as required.

(5) Radiation Protection Program

The licensee's Radiation Protection Program was established in the Texas A&M EHSD's document entitled "Radiological Safety Program Manual," latest revision dated July 2004. The program required that all personnel who had unescorted access to work in a radiation area or with radioactive material receive training in radiation protection, policies, procedures, requirements, and facilities prior to entry. The inspectors verified that licensee staff had received the required radiation protection ("rad worker") training given by EHSD. In addition, staff members with unescorted access to the AGN facility supervised all new employees or visitors. Refresher training was required annually and was available on-line for ease of completing the training.

The inspectors also verified that the Texas A&M radiation protection program was being reviewed annually as required. No issues were identified in the audit of the program.

(6) Facility Tours

The inspectors toured the Reactor Room, as well as the accompanying Ante Chamber (room adjacent to the Reactor Room), and the Graduate Study Office. Control of access to these areas, control of access to radiation and high radiation areas, and control of radioactive material were acceptable.

(7) Environmental Monitoring

An OSL dosimeter was placed in the AGN Reactor Room several feet from the reactor. A second dosimeter was also placed directly outside of the Reactor Room in the Ante Chamber Room, which was also part of the controlled area at the facility. Dosimetry records for 2009 showed that there was an annual exposure of less than 600 mr inside the AGN Reactor Room and less than 170 mr to the Ante Chamber. The inspectors verified that there were no liquid or gaseous effluents discharged from the facility in 2009.

c. Conclusion

The radiation protection program was adequate in that: (1) surveys were generally being completed and documented acceptably, (2) postings met the regulatory requirements specified in 10 CFR Parts 19 and 20, (3) personnel dosimetry was being worn as required and doses were well within the licensee's procedural action levels and NRC's regulatory limits, (4) radiation monitoring equipment was being maintained and calibrated as required, (5) the Radiation Protection Program being implemented by the licensee satisfied regulatory requirements, and (6) effluent monitoring satisfied license and regulatory requirements and no releases had occurred.

6. Emergency Preparedness

a. Inspection Scope (IP 69001)

The inspectors reviewed the following to verify the implementation of the Emergency Plan (E-Plan):

- Emergency drill records for the past three years
- Postings of Emergency Information and Phone Numbers
- Emergency response facilities, supplies, equipment, and instrumentation
- Emergency Plan for the Texas A&M University AGN-201M Reactor, dated October 1998, which included the following Implementing Procedures
 - PE-1, "Personnel Injury," approval dated May 16, 1998
 - PE-2, "Personnel Injury Involving Radioactive Contamination," approval dated May 16, 1998

- PE-3, "Radioactive Contamination of Personnel or Spill of Radioactive Material Within the Reactor Facility," approval dated May 16, 1998
- PE-4, "Suspected Radiation Overexposure of Personnel," approval dated May 16, 1998
- EA-1, "Reactor Facility Fire," approval dated May 16, 1998
- EA-2, "Bomb Threat," approval dated May 16, 1998
- EA-3, "Civil Disturbance," approval dated May 16, 1998
- EA-4, "Severe Natural Phenomenon," approval dated May 16, 1998
- EA-5, "General Emergency Alert," approval dated May 16, 1998
- RE-1, "Reactor Emergency," approval dated May 16, 1998
- Annual Reports for the Texas A&M University AGN-201M Training Reactor for the periods from June 1, 2007 to May 31, 2008, dated April 7, 2009, and from June 1, 2008 to May 31, 2009, dated November 3, 2009

b. Observations and Findings

The E-Plan in use at the AGN facility was the same as the version most recently approved by the NRC, dated October 1998. The inspectors verified that the facility and emergency equipment was as described in the E-Plan. The implementing procedures appeared to be sufficient to effectively implement the E-Plan. It was noted that the licensee was considering revising and updating the E-Plan as soon as time permitted.

Communications capabilities with support groups were acceptable. Emergency Call Lists entitled "Emergency Numbers," were available in the Reactor Room, on the door leading to the Reactor Room, and on the door leading to the Ante Chamber or Laboratory area. The Emergency lists were being revised as needed and had last been updated February 15, 2010. The inspectors also verified that emergency equipment was stationed and emergency information was available at the Hold Stations as specified in the E-Plan.

Emergency training and requalification was not being completed due to the status of the reactor, but annual emergency drills were being completed as required by the E-Plan. The inspectors reviewed the critiques of the evacuation drills that had been conducted for the past two years. The drill for 2007 was a practical exercise and basically tested whether students would evacuate the area as required. The 2008 drill was more involved and tested the effectiveness of emergency procedures and training of support staff. The 2009 drill was held May 21, 2009, and was a Table Top exercise used to discuss four different accident scenarios for the reactor. Those involved in the exercise included participants from the NSC, the TAMU EHSD, the College Station Fire Department, and the University Police Department. Critiques were written and discussed following the drills to document any problems identified during the exercises as required.

c. Conclusion

Emergency training and requalification was not being completed due to the extended shutdown but annual emergency drills were being completed as required by the E-Plan.

7. Maintenance Logs and Records

a. Inspection Scope (IP 69001)

To determine whether maintenance and surveillance activities were being completed, the inspectors reviewed:

- AGN Reactor Console Instrumentation and Electronics Upgrade Modification Authorization, dated January 21, 2008
- List of Activities Associated with Readyng the AGN for Startup
- Maintenance Log dated November 3, 1983 to present
- Scram Circuit diagram
- Console Upgrade Block diagram
- Surveillance and Maintenance records notebook
- CRIS-6, Maintenance Procedure for conducting a detailed Control Rod Inspection and Functional Check, dated October 16, 1979

b. Observations and Findings

During the control rod drive inspection conducted in December 2009, the 24 Volts Direct Current Rod Drive Power Supply had been replaced. The inspectors met with the facility electronics technicians who had performed the console upgrade. A detailed review of the console scram circuit and console upgrade block diagram was completed. A 10 CFR 50.59 review had been completed for the console and instrumentation upgrade. The licensee is aware that all routine maintenance items must be completed as part of the reactor startup plan.

c. Conclusion

Maintenance items to restore the reactor to operability are being conducted.

8. Fuel Movement

a. Inspection Scope (IP 69001)

The inspectors reviewed the following to verify adherence to fuel handling, positioning, and inspection requirements specified in TS Sections 5.1 and 5.2:

- Fuel handling equipment and instructions

- CRIS-6, Maintenance Procedure for conducting a detailed Control Rod Inspection and Functional Check, dated October 16, 1979
- Reactor Operations Logbook

b. Observations and Findings

Through records review and interviews with licensee personnel, the inspector determined that the licensee had loaded fuel into the core on December 12, 2009. The Reactor Manager (Licensed SRO) was present during the fuel movement.

c. Conclusions

Fuel movements were being conducted following TS requirements and applicable procedures.

9. Follow-up on Previous Open Items

a. Inspection Scope (IP 69001)

The inspectors reviewed the actions taken by the licensee following identification of an Inspector Follow-up Item (IFI) during a previous inspection.

b. Observations and Findings

IFI - 50-059/2006-201-03 - Follow-up to verify the licensee sends a plan to the NRC describing how the operator will become proficient in the operation of the AGN.

During the inspection in 2006, the inspector noted that 10 CFR 55.59(a) states, "Requalification requirements. Each licensee shall - (1) Successfully complete a requalification program developed by the facility licensee that has been approved by the Commission. This program shall be conducted for a continuous period not to exceed 24 months in duration. (2) Pass a comprehensive requalification written examination and an annual operating test."

According to 10 CFR 55.59(b), "Additional training, If the requirements of paragraphs (a) (1) and (2) of this section are not met, the Commission may require the licensee to complete additional training and to submit evidence to the Commission of successful completion of this training before returning to licensed duties." Subsequently, the licensee committed to submitting a letter to the NRC summarizing their plans to requalify the only licensed operator at the facility. In this letter, the licensee was to provide a description of how the operator will become proficient in the operation of the AGN-201M reactor. In 2006, the only operator at the facility was not considered to have a valid license due to a lack of participation in the requalification program. This issue was noted as an IFI.

During this inspection, the inspectors confirmed that the licensee had developed a plan that described how new operators would be trained and become qualified to operate the AGN-201M. This plan was followed and, since that time, one operator was trained and received a license from the NRC to operate the AGN reactor. The operator license was issued on September 4, 2008, to the Interim Reactor Supervisor. However, the licensee still needs to submit a letter summarizing the Operator Qualification/Requalification Plan to the NRC. This item is considered open.

c. Conclusion

IFI No. 50-059/2006-201-03 was reviewed during this inspection but remains open.

10. Exit Interview

The inspection scope and results were summarized on April 21, 2010 with members of licensee management. The inspectors described the areas inspected and discussed in detail the inspection findings. No dissenting comments were received from the licensee.

PARTIAL LIST OF PERSONS CONTACTED

Licensee

R. Juzaitis Head, Nuclear Engineering Department and Reactor Administrator
C. Crouch Reactor Supervisor

Other Personnel

D. Menchaca Manager and Radiological Safety Officer, Environmental Health and
Safety Department, Texas A&M University
A. Hanna Electronics Technician, Texas A&M University NSC
T. Fisher Maintenance Supervisor, Texas A&M University NSC
J. Remlinger NSC Reactor Manager

INSPECTION PROCEDURES USED

IP 69001 Class II Research and Test Reactors

ITEMS OPENED, CLOSED, AND DISCUSSED

Opened

None

Closed

None

Discussed

50-059/2006-201-03 IFI Follow-up to verify the licensee sends a plan to the NRC
describing how the operator will become proficient in the operation
of the AGN.

LIST OF ACRONYMS USED

ADAMS	Agencywide Documents Access and Management System
AGN	Aerojet General Nucleonics
10 CFR	Title 10 of the <i>Code of Federal Regulations</i>
EHSD	Environmental Health and Safety Department
E-Plan	Emergency Plan
HP	Health Physics
IFI	Inspector Follow-up Item
IP	Inspection Procedure
mr	millirem
NRC	U. S. Nuclear Regulatory Commission
NSC	Nuclear Science Center
OSL	Optically Stimulated Luminescent
RS	Reactor Supervisor
RSB	Reactor Safety Board
SRO	Senior Reactor Operator
TS	Technical Specifications