



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

Report No. 50-83/82-02

Licensee: University of Florida
202 Nuclear Sciences Center
Gainesville, Florida 32611

Facility Name: UFTR

Docket No. 50-83

License No. R-56

Inspector:

W. W. Peery
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8/30/82
Date Signed

Approved by:

K. P. Barr
K. P. Barr, Section Chief
Technical Inspection Branch
Division of Engineering and Technical Programs

8/30/82
Date Signed

SUMMARY

Inspection on August 11-13, 1982

Areas Inspected

This routine, unannounced inspection involved 16 inspector-hours on site in the area of radiation protection.

Results

No violations or deviations were identified.

REPORT DETAILS

1. Persons Contacted

Licensee Employees

*Dr. C. E. Roessler, Chairman, Radiation Control Committee

*Dr. W. Vernetson, Reactor Manager

*D. L. Munroe, Radiation Control Officer

H. Gogun, Senior Reactor Operator

G. Fogle, Reactor Operator

*Attended exit interview

2. Exit Interview

The inspection scope and findings were summarized on August 13, 1982, with those persons indicated in paragraph 1 above.

3. Licensee Action on Previous Enforcement Matters

Not inspected.

4. Unresolved Items

Unresolved items were not identified during this inspection.

5. Radiation Control Procedures

The inspector reviewed procedures as follows:

(a) University of Florida Radiation Control Techniques

(b) UFTR Standard Operating Procedures (SOPs dealing with radiation protection)

(c) University of Florida Radiological Handbook (University-wide application)

The procedures were found to be satisfactory and the inspector had no further questions.

6. Posting

The inspector observed posting of the Form NRC-3, restricted area posting for radiation and radioactive material areas and control of access to restricted areas. It was determined that regulatory requirements in these areas had been met.

7. Protective Clothing

The inspector determined the availability and instructions for the use of protective clothing, by observation, review of Radiation Work Permits and discussion. No inadequacies were noted.

8. TLDs and Dosimeters

The inspector determined through observation, discussion and record review that TLDs and dosimeters were being properly used.

9. Exit Monitoring

The inspector observed the availability of an operable frisker survey instrument at the exit to the reactor bay and an operable back-up portal monitor. Instructions for use of the instruments were posted at the exit. No inadequacy was found.

10. Training

Through discussion and review of records, the inspector determined that the licensee has established the training and experience of individuals before they are permitted to work with radioactive materials associated with the UFTR. Also, it was determined that this effort is coordinated with the Radiation Protection Officer. This area was found to be satisfactory.

11. Radiation Survey

The inspector participated in a radiation survey of locations contained in a recent survey and determined that there was reasonable agreement between the readings and no unusual readings. A review of other radiation and contamination survey records revealed no unusual values. Leak test results for sealed sources were reviewed and no evidence found of leakage. Regulatory requirements were met in these areas.

12. Instrument Calibration

The inspector verified that the licensee has an adequate program for calibration of portable radiation survey instruments, area and effluent monitors and a "spiking" program to test the accuracy of dosimeters.

13. Personnel Monitoring

The inspector reviewed the licensee's records of personnel monitoring for 1980, 1981, and to the latest monthly report for 1982. The monthly readings ranged from 20-50 mrem, with the large majority recorded as minimal.

The records indicate that exposures have been well below regulatory limits.