

November 20, 2002

US Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, D.C. 20555

RE: Annual Report for Facility Licenses #R-80 (Docket #50-157), and #R-89 (Docket #50-97)

Dear Sir:

The purpose of this report is to satisfy the reporting requirements of Section 50.59 of 10 CFR, Part 50, in respect to activities carried out utilizing the Cornell TRIGA Reactor (facility license R-80) and the Cornell Zero Power Reactor (ZPR) (facility license R-89) during the period beginning July 1, 2001 and ending June 30, 2002

TRIGA License R-80:

1. Operating Experience

During the period reported herein, the TRIGA reactor was used primarily for the purpose of teaching and academic research, and for corporate testing, research and development.

2. Changes in Facility Design

None

3. Changes in Procedures

Standard Operating Procedures for the TRIGA reactor were changed to improve clarity and conform to a new format designed to facilitate checkout and calibration of the safety and control instrumentation. All changes have been reviewed and approved by the Ward Reactor Laboratory Safety Committee.

4. Surveillance Tests and Inspections

All parameters and systems undergoing surveillance tests and inspections are determining to be within the specified limits.

5. Power Generation

89.8 Megawatt hours

6. Emergency Shutdowns

None

7. Unintentional Scrams

1. Lingar power scram – switch set on manual instead of auto
2. High voltage scram – electrical transient

A020
A001

8. Major Maintenance

None

9. Radioactive Waste Release

- 1) Liquid waste -- $\leq 579 \mu\text{Ci}$ (gross activity)
- 2) Gaseous waste -- 90.3 mCi (argon-41)

10. Personnel Exposure

No significant radiation exposure to personnel was experienced.

ZPR - License No. R-89:

1. Operating Experience

On 2/12/97, the NRC issued Amendment No. 4 which removes the authority from the license to operate the reactor and authorizes possession - only of the reactor. The ZPR fuel had been removed from the reactor gridplate prior to that date, and the reactor has been in a shutdown/safe-storage condition since that time.

2. Change in Facility Design

None

3. Changes in Procedures

None

4. Surveillance Tests and Inspections

All parameters and systems undergoing surveillance tests and inspections were determined to be within the specified limits.

5. Major Maintenance

None

6. Radioactive Waste Release

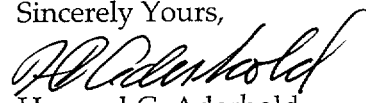
No measurable amount

7. Personnel Exposure

No significant radiation exposure to personnel was experienced.

If any additional information is required concerning this report, please don't hesitate to contact this office.

Sincerely Yours,


Howard C. Aderhold
Director

xc: Director, Office of Inspection and Enforcement
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