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at Urbana-Champaign

Department of  
Nuclear Engineering

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August 19, 1994  
**Docket No. 50-356**

Director of Nuclear Reactor Regulation  
U.S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Mail Station P1-137  
Washington, DC 20555

Dear Sir,

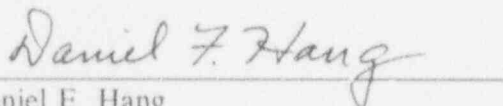
Subject: Annual Report, LOPRA Reactor  
License No. R-117  
Docket No. 50-356

The following is written to comply with the requirements of Section 6.7.f of the Technical Specifications and conditions of 50.59 of 10CFR50. The outline follows the numbered sequence of Section 6.7.f of the Technical Specifications.

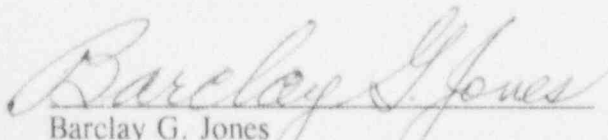
Respectfully,



Richard L. Holm  
Reactor Supervisor



Daniel F. Hang  
Director, Nuclear Reactor Laboratory



Barclay G. Jones  
Head, Department of Nuclear Engineering

cc: Region III, USNRC

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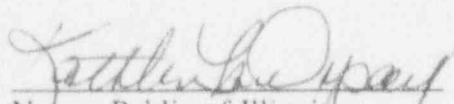
STATE OF ILLINOIS

COUNTY OF CHAMPAIGN

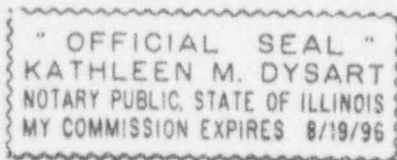
Richard L. Holm, being first duly sworn on oath, deposes and says that he has affixed his signature to the letter above in his official capacity as Reactor Supervisor, University of Illinois Nuclear Reactor Laboratory; that in accordance with the provisions of Part 50, Chapter 1, Title 10 of the Code of Federal Regulations, he is attaching this affidavit; that the facts set forth in the within letter are true to his best information and belief.

  
\_\_\_\_\_  
Richard L. Holm  
Reactor Supervisor

Subscribed and sworn to before me, a Notary Public, in and for the County of  
Champaign, State of Illinois, this 24th day of August, A.D., 1994.

  
\_\_\_\_\_  
Notary Public of Illinois

8-19-96  
\_\_\_\_\_  
My Commission Expires



ILLINOIS LOPRA REACTOR - ANNUAL REPORT  
August 1, 1993 - July 31, 1994  
Facility License R-117

I. SUMMARY OF OPERATING EXPERIENCE

The reactor was in operation a total of 11.5 hours during the period. This includes time when the reactor was operated for surveillances where the reactor was not actually critical. The total operating time for the period was due to fulfilling surveillance requirements.

II. TABULATION OF OPERATIONS

Surveillances	11.5 hours	
Hours Critical* and Energy	9.7 hours	0.0049 Mw-hrs

\* This includes time where the reactor was sub-critical during the control rod calibration. Virtually all of the energy generated was due to the power calibration surveillance.

III. EMERGENCY SHUTDOWNS AND INADVERTENT SCRAMS

One inadvertent scram occurred during the period initiated by the gamma monitor. During the daily checklist the scram setting on the monitor is downscaled to initiate a scram, however in this instance the operator failed to return the scram setpoint to normal and hence scrambled the reactor on startup.

IV. MAINTENANCE

A significant amount of effort was spent on repairs to the Keithley microammeter and the linear power strip chart recorder.

V. CONDITIONS UNDER SECTION 50.59 OF 10CFR50

There were no changes to procedures, new experiments, or 50.59 reviews performed during the reporting period.

VI., VII., VIII. RADIOACTIVE RELEASE/RADIATION EXPOSURE

Because of the low power and infrequent use of the LOPRA, its operation does not contribute to the release of effluents. Personnel radiation exposures for the laboratory are given in the Annual Report for the Advanced TRIGA Reactor, License No. R-115, Docket No. 50-151, dated February 4, 1994.