



Research Reactor Center
University of Missouri-Columbia

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September 9, 2005

Mr. Alexander Adams, Jr.
U.S. Nuclear Regulatory Commission
Mail Stop O12-G13
Washington, DC 20555-0001

REFERENCE: Docket No. 50-186
University of Missouri- Columbia Research Reactor
Amended Facility License R-103

SUBJECT: MURR Operations Monthly Summary

Dear Mr. Adams:

Enclosed is a copy of MURR's Monthly Operations Summary for August 2005. If you have any questions, please contact me at (573) 882-5276.

Sincerely,

Leslie P. Foyto
Reactor Manager

LPF/djr

Enclosure

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UNIVERSITY OF MISSOURI
RESEARCH REACTOR

OPERATIONS MONTHLY SUMMARY

August 2005

Prepared by:
Operations Staff

INTRODUCTION

The reactor operated continuously in August with the following exceptions: 5 shutdowns for scheduled maintenance and refueling; 1 unscheduled shutdown (power reduction).

MAINTENANCE ACTIVITIES

- 8/1/05 Refueled - removed core 05-35, loaded core 05-36.
Replaced the Fan Failure Logic Relay (CP-1) in the building exhaust ventilation fan failure circuit.
- 8/8/05 Refueled - removed core 05-36, loaded core 05-37.
- 8/15/05 Refueled - removed core 05-37, loaded core 05-38.
Transferred the used Be reflector and the tantalum wedge from pool storage to a cask stored in the facility basement.
Installed the rebuilt instrument cabinet cooling fan.
- 8/22/05 Refueled - removed core 05-38, loaded core 05-39.
- 8/29/05 Refueled - removed core 05-39, loaded core 05-40.

UNSCHEDULED POWER REDUCTIONS

<u>Date</u>	<u>No.</u>	<u>Type</u>	<u>Cause</u>
8/22/05	1183	Rod Run In	Nuclear Instrumentation Short Period

On August 22, during a normal reactor startup, a Nuclear Instrumentation Channel No. 3 Short Period Rod Run-In occurred when an "Anti-Siphon Tank Hi-Lo Pressure" annunciator alarm initiated. The control rods had been withdrawn to a height of approximately two inches from the fully inserted position when the rod run-in occurred. Anti-Siphon System pressure had lowered to the alarm set point as a result of system cool-down prior to startup. The rod run-in was most likely caused by electrical "noise" from the annunciator alarm. A reactor startup was subsequently performed to 10 MW operation.

OPERATION SUMMARY FOR MONTH OF
University of Missouri Research Reactor Center (MURR)

Aug-05

HOURS OPERATED THIS PERIOD

671.53

TOTAL HOURS OPERATED, REACTOR

268,419.49

HOURS OPERATED AT FULL POWER, THIS PERIOD

669.82

TOTAL HOURS AT FULL POWER, REACTOR

265,053.27

INTEGRATED POWER THIS PERIOD

279.19

MWD

TOTAL INTEGRATED POWER, REACTOR

104,641.02

MWD

Submitted by:

Das K

MWD Custodian/Reactor Physicist

Date:

Sept 01, 2005