



Research Reactor Center

University of Missouri-Columbia

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August 29, 2002

50-186

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

SUBJECT: Monthly Operations Summary

Enclosed is a copy of MURR's Monthly Operations Summary for July 2002. If you have any questions, please contact me at (573) 882-5264.

Sincerely,

A handwritten signature in black ink, appearing to read 'Paul S. Hobbs'.

Paul S. Hobbs, PE
Reactor Manager

PSH/lmcg
cc. Craig Bassett
Enclosure

A020

*UNIVERSITY OF MISSOURI
RESEARCH REACTOR*

OPERATIONS MONTHLY SUMMARY

JULY 2002

*Prepared by:
Operations Staff*

INTRODUCTION

The reactor operated continuously in July with the following exceptions: six shutdowns for scheduled maintenance and refueling; one unscheduled shutdown. Received notification from the NRC that two new Reactor Operator licenses had been issued.

MAINTENANCE ACTIVITIES

7/1/02 Refueled - removed core 02-31, loaded core 02-32.

7/3/02 Refueled - removed core 02-32, loaded core 02-33.

Replaced Anti-Siphon Valve 543B air actuator.

7/8/02 Refueled - removed core 02-33, loaded core 02-34.

7/15/02 Refueled - removed core 02-34, loaded core 02-35.

Re-installed keeper pin in the northwest Pressure Vessel tie-rod support.

7/16/02 Replaced control transformer for P501A (primary system pump)
control circuit.

7/22/02 Refueled - removed core 02-35, loaded core 02-36.

7/25/02 Refueled - removed core 02-36, loaded core 02-37.

7/29/02 Refueled - removed core 02-37, loaded core 02-38.

UNSCHEDULED SHUTDOWNS

<u>Date</u>	<u>No.</u>	<u>Type</u>	<u>Cause</u>
7/25/02	1143	Scram	PT-917 (reflector low ΔP)

On July 25, a Reactor Scram was initiated automatically by PT-917 (reflector low ΔP) when the differential pressure across the reflector momentarily dropped below the Scram setpoint. This setpoint had been changed on July 22 during the performance of CP-5. It was determined that during the performance of CP-5 on July 22 there was air in the lines from the pressure test unit causing the setpoint to be changed. This change was in the conservative direction and placed the setpoint within close proximity of actual operating differential pressure. CP-5 was performed again after flushing the test lines and the setpoint was reset to allow for normal operating pressure transients without inadvertently actuating the protective function of PT-917.

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

Jul-02

HOURS OPERATED THIS PERIOD

624.92

TOTAL HOURS OPERATED, REACTOR

244,122.92

HOURS OPERATED AT FULL POWER, THIS PERIOD

619.97

TOTAL HOURS AT FULL POWER, REACTOR

240,871.00

INTEGRATED POWER THIS PERIOD

258.64

MWD

TOTAL INTEGRATED POWER, REACTOR

94,560.23

MWD

Submitted by: _____

Das

MWD Custodian/Reactor Physicist

Date. _____

8/2/02