



Research Reactor Center

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June 24, 2002

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 May 2002. If you have any questions, please contact me at (573) 882-5264.

Sincerely,

Paul S. Hobbs, PE
Reactor Manager

PSH/djr

Enclosure

A020

UNIVERSITY OF MISSOURI RESEARCH REACTOR

OPERATIONS MONTHLY SUMMARY

MAY 2002

Prepared by:
Operations Staff

INTRODUCTION

The reactor operated continuously in May with the following exceptions: four shutdowns for scheduled maintenance and refueling; one unscheduled shutdown.

MAINTENANCE ACTIVITIES

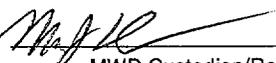
- 5/6/02 Refueled - removed core 02-22, loaded core 02-23.
- 5/13/02 Refueled - removed core 02-23, loaded core 02-24.
Replaced Cooling Tower Fan Three gearbox.
- 5/20/02 Refueled - removed core 02-24, loaded core 02-25.
Replaced the control fuse and the Fan Failure Relay (CP-1) in the controller for Exhaust Fan 13.
- 5/27/02 Refueled - removed core 02-25, loaded core 02-26.
Completed the biennial change out of Control Blade "B" Offset Mechanism.
- 5/31/02 Refueled – removed core 02-26, loaded core 02-27.

UNSCHEDULED SHUTDOWNS

<u>Date</u>	<u>No.</u>	<u>Type</u>	<u>Cause</u>
5/31/02	1142	RRI	Blade 'D' not in contact with magnet

On May 31, a Rod Not In Contact With Magnet Rod Run-In was automatically initiated when Blade 'D' anvil separated from its magnet during a sample handling evolution. The Blade 'D' Full In Light was lit so the control room operator initiated a manual scram and the reactor was shutdown. It was determined that during sample handling an operator trainee had allowed the 3" Blue silicon holder to bump Control Blade "D" Offset Mechanism. This bump was sufficient to cause the anvil to separate from the magnet. The reactor was subsequently refueled and returned to power.

OPERATION SUMMARY FOR MONTH OF	May-02	
University of Missouri Research Reactor Center (MURR)		
HOURS OPERATED THIS PERIOD	667.53	
TOTAL HOURS OPERATED, REACTOR	242,895.73	
HOURS OPERATED AT FULL POWER, THIS PERIOD	664.78	
TOTAL HOURS AT FULL POWER, REACTOR	239,649.67	
INTEGRATED POWER THIS PERIOD	277.11	MWD
TOTAL INTEGRATED POWER, REACTOR	94,050.93	MWD

Submitted by: 
MWD Custodian/Reactor Physicist

Date: 