



Research Reactor Center

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September 23, 2003

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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 August 2003. If you have any questions, please contact me at (573) 882-5276.

Sincerely,

Leslie Foyto
Reactor Manager

LM/sm
cc. Craig Bassett
Enclosure

A020

*UNIVERSITY OF MISSOURI
RESEARCH REACTOR*

OPERATIONS MONTHLY SUMMARY

August, 2003

*Prepared by:
Operations Staff*

INTRODUCTION

The reactor operated continuously in August with the following exceptions: 6 shutdowns for scheduled maintenance and refueling; 1 unscheduled shutdown.

MAINTENANCE ACTIVITIES

8/4/03	Refueled - removed core 03-35, loaded core 03-36. Relocated Room 202 evacuation switch during asbestos abatement and remodeling. Removed Room 202 Fan Failure Alarm Panel in accordance with Modification Record 88-7; Addendum 2.
8/7/03	Refueled - removed core 03-36, loaded core 03-37.
8/11/03	Refueled - removed core 03-37, loaded core 03-38. Replaced temperature element 980B transmitter.
8/18/03	Refueled - removed core 03-38, loaded core 03-39.
8/22/03	Refueled - removed core 03-39, loaded core 03-40. Replaced the Regulating Rod Position Indication Encoder.
8/25/03	Refueled - removed core 03-40, loaded core 03-41. Replaced the Nitrogen System Pressure Regulators N-24 and N-25.

UNSCHEDULED SHUTDOWNS

<u>Date</u>	<u>No.</u>	<u>Type</u>	<u>Cause</u>
8/7/03	1167	Scram	Rod Position Indication Failure

On August 7, a Reactor Scram was manually initiated by the operator when a fault in the Rod Position Indication System resulted in fluctuating position indication for Control Rod 'D'. Troubleshooting revealed a broken ground wire to the position indication amphenol. The broken wire was fixed and the integrity of the remaining control rod position indication amphenols were verified sat. The Rod Position Indication System was tested sat. The reactor was subsequently refueled and returned to operation.

Aug

OPERATION SUMMARY FOR MONTH OF		Aug-03
University of Missouri Research Reactor Center (MURR)		
HOURS OPERATED THIS PERIOD	672.69	
TOTAL HOURS OPERATED, REACTOR	252,603.17	
HOURS OPERATED AT FULL POWER, THIS PERIOD	669.66	
TOTAL HOURS AT FULL POWER, REACTOR	249,306.86	
INTEGRATED POWER THIS PERIOD	279.21	MWD
TOTAL INTEGRATED POWER, REACTOR	98,077.17	MWD

Submitted by: Das K
MWD Custodian/Reactor Physicist

Date: 9/3/03