



Research Reactor Center

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January 12, 2004

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

Sincerely,

Leslie Foyto  
Reactor Manager

LM/sm  
cc. Craig Bassett  
Enclosure

JE24

*UNIVERSITY OF MISSOURI  
RESEARCH REACTOR*

*OPERATIONS MONTHLY SUMMARY*

*DECEMBER 2003*

*Prepared by:  
Operations Staff*

## INTRODUCTION

The reactor operated continuously in December with the following exceptions: 5 shutdowns for scheduled maintenance and refueling.

## MAINTENANCE ACTIVITIES

- 12/01/03      Refueled - removed core 03-55, loaded core 03-56.  
Replaced FT-912C (Pool Demin) differential pressure transmitter with a new Rosemount model 1151 transmitter in accordance with Modification Record 03-2.
- 12/08/03      Refueled - removed core 03-56, loaded core 03-57.  
Rebuilt V507B (Primary Isolation Valve) air actuator.
- 12/15/03      Refueled - removed core 03-57, loaded core 03-58.  
Replaced A2 Driver Card in Nuclear Instrumentation Signal Processor Drawer #1.  
Replaced oil seal on P501A (Primary Pump).
- 12/22/03      Refueled - removed core 03-58, loaded core 03-59.
- 12/29/03      Refueled - removed core 03-59, loaded core 03-60.

<b>OPERATION SUMMARY FOR MONTH OF</b> University of Missouri Research Reactor Center (MURR)	<b>Dec-03</b>
HOURS OPERATED THIS PERIOD	<b>677.73</b>
TOTAL HOURS OPERATED, REACTOR	<b>255,274.90</b>
HOURS OPERATED AT FULL POWER, THIS PERIOD	<b>675.86</b>
TOTAL HOURS AT FULL POWER, REACTOR	<b>251,969.12</b>
INTEGRATED POWER THIS PERIOD	<b>281.70</b> MWD
TOTAL INTEGRATED POWER, REACTOR	<b>99,186.90</b> MWD

Submitted by: Das K  
MWD Custodian/Reactor Physicist

Date: Jan 05, 2004