



Research Reactor Center

University of Missouri-Columbia

Research Park
Columbia, MO 65211

PHONE (573) 882-4211
FAX (573) 882-6360

March 11, 2004

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 February 2004. If you have any questions, please contact me at (573) 882-5276.

Sincerely,

Leslie Foyto
Reactor Manager

LM/sm
cc. Craig Bassett
Enclosure

IE24

*UNIVERSITY OF MISSOURI
RESEARCH REACTOR*

OPERATIONS MONTHLY SUMMARY

February 2004

*Prepared by:
Operations Staff*

INTRODUCTION

The reactor operated continuously in February with the following exceptions: 4 shutdowns for scheduled maintenance and refueling; 1 unscheduled shutdown.

MAINTENANCE ACTIVITIES

2/2/04	Refueled - removed core 04-05, loaded core 04-06.
2/5/04	Refueled - removed core 04-06, loaded core 04-07.
2/9/04	Refueled - removed core 04-07, loaded core 04-08.
2/10/04	Replaced Iodine channel chart motor in the NMC Model RAK stack monitor.
2/16/04	Refueled - removed core 04-08, loaded core 04-09. Removed the X and MHX fuel storage baskets. Installed the new 20 element X fuel storage basket.
2/23/04	Refueled - removed core 04-09, loaded core 04-10. Removed the Y and MHY fuel storage baskets. Installed the new 20 element Y fuel storage basket. Loaded new pool de-ionization bed 'B'.

UNSCHEDULED SHUTDOWNS

<u>Date</u>	<u>No.</u>	<u>Type</u>	<u>Cause</u>
2/5/04	1169	Scram	NI Drawer #1 indication failure

On February 5, a Reactor Scram was manually initiated upon the complete failure of indication on NI drawer #1. After the shutdown, the Scram and Rod Run In functions were verified operable for the associated channels on that drawer. The front panel level and period display units were upgraded from plasma bar graphs to LCD units. The drawer's functions were tested sat. The reactor was subsequently refueled and returned to operation.

OPERATION SUMMARY FOR MONTH OF

University of Missouri Research Reactor Center (MURR)

Feb-04

HOURS OPERATED THIS PERIOD

618.97

TOTAL HOURS OPERATED, REACTOR

256,584.64

HOURS OPERATED AT FULL POWER, THIS PERIOD

615.65

TOTAL HOURS AT FULL POWER, REACTOR

253,272.58

INTEGRATED POWER THIS PERIOD

256.62

MWD

TOTAL INTEGRATED POWER, REACTOR

99,730.22

MWD

Submitted by:

Das K

MWD Custodian/Reactor Physicist

Date:

3/1/04