



Research Reactor Center
University of Missouri-Columbia

Research Park
Columbia, MO 65211

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

50-186

April 18, 2001

Mr. Alexander Adams, Jr.
U.S. Nuclear Regulatory Commission
Mail Stop O12-D3
Washington, DC 20555-0001

SUBJECT: Monthly Operations Summary

Enclosed is a copy of MURR's monthly operations summary for March 2001.

Sincerely,

Paul S. Hobbs, PE
Reactor Manager

:lh
encl

IE24

UNIVERSITY OF MISSOURI RESEARCH REACTOR

OPERATIONS MONTHLY SUMMARY

March 2001

Prepared by:
Operations Staff

March 2001

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

On March 2, a reactor scram occurred when the master control switch (1S8) was inadvertently bumped by a reactor operator trainee, momentarily interrupting power to the rod control circuit. It was subsequently determined that this switch - which has a positive ball/detent latching mechanism - may not have been positively latched in the "on" position. Operators were instructed to review Standing Order 01-02 reminding them that all switch actuations are to be conscientious, deliberate actions followed immediately by verification of the expected results. The reactor was subsequently refueled and returned to normal operation.

Major maintenance items for the month included: replacing the compensating voltage power supply in the wide range monitor drawer; replacing primary RTD's 980 A/B in accordance with modification package 01-3; replacing pool T_h and T_c millivolt transmitters and RTD's in accordance with modification package 01-4; replacing primary pump 501B due to a seal leak; installing a new intercom base station and some of the new remote stations.

UNSCHEDULED SHUTDOWNS

<u>Date</u>	<u>#</u>	<u>Type</u>	<u>Cause</u>
3/2/01	1125	Scram	Bumping Master Control Switch

MAINTENANCE ACTIVITIES

Date

03/02/01 Refueled - removed core 01-10, loaded core 01-11.

03/05/01 Refueled – removed core 01-11, loaded core 01-12.

03/12/01 Refueled – removed core 01-12, loaded core 01-13.
Replaced the compensating voltage power supply in the wide range monitor drawer.

03/13/01 Participated in the statewide severe weather drill.

03/19/01 Refueled – removed core 01-13, loaded core 01-14.
Replaced primary RTD's 980 A/B in accordance with modification package 01-3.

03/26/01 Refueled – removed core 01-14, loaded core 01.15.
Replaced pool T_h and T_c MV/I's and RTD's in accordance with modification package 01-4.
Replaced primary pump 501B.
Installed a new intercom base station and some remote stations.

OPERATIONS SUMMARY

HOURS OPERATED THIS PERIOD	668	
TOTAL HOURS OPERATED	233,934	
HOURS AT FULL POWER THIS PERIOD	666	
TOTAL HOURS AT FULL POWER	230,738	
INTEGRATED POWER THIS PERIOD	278	MWD
TOTAL INTEGRATED POWER	90,335	MWD