



# Research Reactor Center

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December 14, 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 November 2001.

Sincerely,

Paul S. Hobbs, PE  
Reactor Manager

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UNIVERSITY OF MISSOURI RESEARCH REACTOR

OPERATIONS MONTHLY SUMMARY

November 2001

Prepared by:  
Operations Staff

November 2001

The reactor operated continuously in November with the following exceptions: six shutdowns for scheduled maintenance and/or refueling. There were no unscheduled shutdowns this month.

Major maintenance items for the month included:

1. Replacing the 529 series solenoid valves for valves 527A, 527B, 515H, 524, 565A, 565B in accordance with modification package 01-6 "Replacement of All 529 Series Solenoid Valves with New Type."
2. Replacing the regulating blade position indication encoder.
3. Completing modification package 01-8 "Re-routing Lab 218 Pneumatic Tube System Transfer Line from Row One to Row Two Terminal."

#### MAINTENANCE ACTIVITIES

Date

11/05/01	Refueled - removed core 01-51, loaded core 01-52. Replaced 529 series solenoid valves for valves 527A and 527B.
11/12/01	Refueled - removed core 01-52, loaded core 01-53.
11/18/01	Refueled - removed core 01-53, loaded core 01-54. Replaced regulating blade position indication encoder.
11/26/01	Refueled - removed core 01-54, loaded core 01-55. Replaced 529 series solenoid valves 515H, 524, 565A, 569B. Replaced regulating blade position indicator encoder.
11/27/01	Completed modification package 01-8 "Re-routing Lab 218 Pneumatic Tube System Transfer Line From Row One to Row Two Terminal."
11/30/01	Refueled - removed core 01-55, loaded core 01-56. Replaced regulating blade position indication encoder.

### OPERATIONS SUMMARY

HOURS OPERATED THIS PERIOD	639	
TOTAL HOURS OPERATED	239,080	
HOURS AT FULL POWER THIS PERIOD	636	
TOTAL HOURS AT FULL POWER	235,854	
INTEGRATED POWER THIS PERIOD	265	MWD
TOTAL INTEGRATED POWER	92,469	MWD