

PRIORITY ROUTING

First	Second
RA	RC
DRA	EIC
DRP	SGA
DRS	OI
DNMS	PAO
DRMA	
✓BURDICK	

FILE was

UNIVERSITY OF MISSOURI RESEARCH REACTOR

OPERATIONS MONTHLY SUMMARY

50-186

October 1998

Prepared by:

Operations Staff

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October 1998

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

On October 4, a reactor scram occurred due to the momentary loss of site electrical power, which was verified by the University Power Plant. The reactor was subsequently refueled and returned to normal operation.

Major maintenance items for the month included: replacing the meter relay unit for pressure transmitter 944B (core discharge pressure) per modification package 98-1 - This was an equivalent replacement necessitated by the unavailability of replacement parts for the existing unit; physically moving the existing detector drywell for nuclear instrument channel #5 (power range monitor) and installing a new gamma metrics drywell; replacing a nylon bushing in the regulation blade motor/gearbox coupling; repairing and replacing the MHY fuel storage basket.

UNSCHEDULED SHUTDOWNS

<u>Date</u>	<u>No.</u>	<u>Type</u>	<u>Cause</u>
10/4/98	1090	Scram	Momentary loss of site electrical power.

OPERATIONS SUMMARY

HOURS OPERATED THIS PERIOD	681
TOTAL HOURS OPERATED	215,283
HOURS AT FULL POWER THIS PERIOD	679
TOTAL HOURS AT FULL POWER	212,171
INTEGRATED POWER THIS PERIOD	283 MWD
TOTAL INTEGRATED POWER	82,557 MWD

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MAINTENANCE ACTIVITIES

- 10/04/98 Refueled - removed core 98-48, loaded core 98-49.
- 10/05/98 Replaced meter relay unit for PT 944B.
- 10/12/98 Refueled - removed core 98-49, loaded core 98-50.
Moved NI Channel #5 detector drywell to a new position.
Replaced nylon bushing in the reg. Blade motor/gearbox coupling.
- 10/19/98 Refueled - removed core 98-50, loaded core 98-51.
Installed a new gamma metrics drywell.
- 10/26/98 Refueled - removed core 98-51, loaded core 98-52.
Repaired and replaced the MH-Y fuel storage baskets.