

UNIVERSITY OF MISSOURI RESEARCH REACTOR

OPERATIONS MONTHLY SUMMARY

PRIORITY ROUTING			
First		Second	
RA		RC	
DRK		EIC	
✓ DRP		SGA	
DRS		OI	
DNMS		PAO	
DPMA			
FILE			

March 1996

Prepared by:  
Operations Staff

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

On March 29, a manual scram was initiated by the duty operator after receiving and verifying a alarm indicating that the fire main water pressure had dropped below the pressure sufficient to supply at least 1,000 gallons per minute to the emergency pool fill system as specified by Technical Specification 3.1(c). The loss of fire main system pressure was caused by a fire hydrant pipe rupture during excavation remote from the reactor facility. After the broken fire hydrant was repaired, fire main water pressure was returned to normal and the reactor was refueled and returned to operation.

Major maintenance items for the month included: shipping sixteen spent fuel elements; replacing the cables to the Channel 4 nuclear instrument detector; loading two new deionization beds for use on the pool and primary systems.

#### UNSCHEDULED SHUTDOWNS

<u>Date</u>	<u>Number</u>	<u>Type</u>	<u>Cause</u>
3/29/96	1047	Manual Scram	Fire main low pressure

#### OPERATION SUMMARY

HOURS OPERATED THIS PERIOD	671
TOTAL HOURS OPERATED	194,885
HOURS AT FULL POWER THIS PERIOD	667
TOTAL HOURS AT FULL POWER	191,879
INTEGRATED POWER THIS PERIOD	278 MWD
TOTAL INTEGRATED POWER	73,098 MWD

#### MAINTENANCE ACTIVITIES

3/4/96	Refueled - removed core 96-10, loaded core 96-11.
3/10/96	Refueled - removed core 96-11, loaded core 96-12. Replaced detector cables for NI Channel #4.
3/18/96	Refueled - removed core 96-12, loaded core 96-13.
3/24/96	Refueled - removed core 96-13, loaded core 96-14.
3/29/96	Refueled - removed core 96-14, loaded core 96-15.