

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) Grand Gulf Nuclear Station - Unit 1	DOCKET NUMBER (2) 0   5   0   0   0   4   1   6	PAGE (3) 1   OF   0   2
--	--	----------------------------

TITLE (4)  
Reactor Scrams

EVENT DATE (5)			LER NUMBER (6)			REPORT DATE (7)			OTHER FACILITIES INVOLVED (8)		
MONTH	DAY	YEAR	YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	MONTH	DAY	YEAR	FACILITY NAMES		DOCKET NUMBER(S)
0	9	05	8	4	0	0	4	0	0	5	0000
0	9	05	8	4	0	0	4	0	0	5	0000

OPERATING MODE (9) 2	THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check one or more of the following) (11)									
POWER LEVEL (10) 0   0   0	<input type="checkbox"/> 20.402(b)	<input type="checkbox"/> 20.406(c)	<input checked="" type="checkbox"/> 50.73(a)(2)(iv)	<input type="checkbox"/> 73.71(b)						
	<input type="checkbox"/> 20.406(a)(1)(i)	<input type="checkbox"/> 50.36(e)(1)	<input type="checkbox"/> 50.73(a)(2)(v)	<input type="checkbox"/> 73.71(e)						
	<input type="checkbox"/> 20.406(a)(1)(ii)	<input type="checkbox"/> 50.36(e)(2)	<input type="checkbox"/> 50.73(a)(2)(vii)	OTHER (Specify in Abstract below and in Text, NRC Form 366A)						
	<input type="checkbox"/> 20.406(a)(1)(iii)	<input type="checkbox"/> 50.73(a)(2)(i)	<input type="checkbox"/> 50.73(a)(2)(viii)(A)							
	<input type="checkbox"/> 20.406(a)(1)(iv)	<input type="checkbox"/> 50.73(a)(2)(ii)	<input type="checkbox"/> 50.73(a)(2)(viii)(B)							
<input type="checkbox"/> 20.406(a)(1)(v)	<input type="checkbox"/> 50.73(a)(2)(iii)	<input type="checkbox"/> 50.73(a)(2)(x)								

LICENSEE CONTACT FOR THIS LER (12)		TELEPHONE NUMBER	
NAME Ronald W. Byrd/Licensing Engineer	AREA CODE 6   0   1	7   3   7   -	2   1   4   9

COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)										
CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPRDS	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPRDS	

SUPPLEMENTAL REPORT EXPECTED (14)		EXPECTED SUBMISSION DATE (15)	MONTH	DAY	YEAR
<input type="checkbox"/> YES (If yes, complete EXPECTED SUBMISSION DATE)	<input checked="" type="checkbox"/> NO				

ABSTRACT (Limit to 1400 spaces, i.e., approximately fifteen single-space typewritten lines) (16)

On September 5, 1984, during reactor startup, a scram occurred while control rods were being withdrawn from the reactor. The scram was a result of the IRM's not being ranged up as they responded to the power level increase.

Following this event, during Plant Shutdown, the pressure reference setpoint was lowered to a point which caused the turbine bypass control valves to fully open. The reactor water level decreased to the scram setpoint.

In order to prevent the occurrence of similar events, the procedure requirements have been revised to allow for high speed operation of at least one IRM recorder. Also, an operator has been designated to monitor important parameters such as reactor power, pressure and level.

8410160113 841005  
PDR ADOCK 05000416  
S PDR

IEZZ  
11

## LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

FACILITY NAME (1)	DOCKET NUMBER (2)	LER NUMBER (6)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
Grand Gulf Nuclear Station - Unit 1	05000416	84	040	00	02	OF	02

TEXT (If more space is required, use additional NRC Form 366A's) (17)

On September 5, 1984, at approximately 1430 hours during reactor startup a scram occurred while control rods were being withdrawn from the reactor. The scram was a result of the IRM's not being ranged up as they responded to the power level increase. The operator failed to recognize the increasing power level because the IRM recorders were in slow speed, which was a procedure requirement, and due to distraction from Control Room Operator trainees. The slow speed of the IRM recorders made it more difficult to analyze trends in power levels.

Following this event, scram recovery was performed and Plant Shutdown was entered. During Plant Shutdown, the pressure reference setpoint was lowered to a point which caused the turbine bypass control valves to fully open. The reactor water level decreased to the level 3 scram setpoint. The lowest level the water reached was 10.2 inches (186.9 above the top of active fuel). The pressure reference signal was then raised to close the bypass control valves and the water level was restored to within normal range.

In order to prevent the occurrence of similar events, the procedure requirements have been revised to allow for high speed operation of at least one IRM recorder. Also, a reactor operator has been designated to have primary responsibility for monitoring important parameters such as reactor power, pressure and level. The control of the number of personnel in the Control Room has been emphasized and enforced.



MISSISSIPPI POWER & LIGHT COMPANY

Helping Build Mississippi

P. O. BOX 1640, JACKSON, MISSISSIPPI 39205

October 5, 1984

NUCLEAR LICENSING & SAFETY DEPARTMENT

Document Control Desk  
U. S. Nuclear Regulatory Commission  
Washington, D. C. 20555

Gentlemen:

SUBJECT: Grand Gulf Nuclear Station  
Unit 1  
Docket No. 50-416  
License No. NPF-13  
File: 0260/L-835.0  
Reactor Scrams  
LER 84-040-0  
AECM-84/0462

Attached is Licensee Event Report (LER) 84-040-0 which is a final report.

Yours truly,

*for* L. F. Dale  
Director

EBS/SHH:rg  
Attachment

cc: Mr. J. B. Richard (w/a)  
Mr. R. B. McGehee (w/o)  
Mr. N. S. Reynolds (w/o)  
Mr. G. B. Taylor (w/o)

Mr. Richard C. DeYoung, Director (w/a)  
Office of Inspection & Enforcement  
U. S. Nuclear Regulatory Commission  
Washington, D. C. 20555

Mr. J. P. O'Reilly, Regional Administrator (w/a)  
U. S. Nuclear Regulatory Commission  
Region II  
101 Marietta St., N.W., Suite 2900  
Atlanta, Georgia 30323