

DOCKET NO. 50-416  
UNIT 1  
DATE 08/14/86  
COMPLETED BY S. H. Hobbs  
TELEPHONE 969-2458

MONTH July 1986

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	960	17	926
2	931	18	906
3	923	19	613
4	626	20	612
5	671	21	781
6	673	22	839
7	806	23	835
8	929	24	839
9	944	25	535
10	945	26	0
11	929	27	179
12	633	28	738
13	652	29	846
14	841	30	840
15	927	31	821
16	929		

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OPERATING STATUS

1. Unit Name: <u>GGNS UNIT 1</u>	Notes:
2. Reporting Period: <u>July 1986</u>	
3. Licensed Thermal Power (MWt): <u>3833 MWt</u>	
4. Nameplate Rating (Gross MWe): <u>1372.5 MWe</u>	
5. Design Electrical Rating (Net MWe): <u>1250 MWe</u>	
6. Maximum Dependable Capacity (Gross MWe): <u>1157 MWe</u>	
7. Maximum Dependable Capacity (Net MWe): <u>1108 MWe</u>	
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report. Give Reasons: <div style="text-align: center; margin-top: 10px;">N/A</div>	

9. Power Level To Which Restricted, If Any (Net MWe): N/A

10. Reasons For Restrictions, If Any: Unless otherwise noted, reductions in daily unit power level are for economic and system load demand considerations.

	This Month	Yr to Date	Cumulative
11. Hours In Reporting Period	744	5,087	15,585
12. Number of Hours Reactor Was Critical	715.2	4,734.4	11,459.6
13. Reactor Reserve Shutdown Hours	0	0	0
14. Hours Generator On-Line	700.2	4,614.8	10,361.8
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	2,040,720	12,582,529	28,539,022
17. Gross Electrical Energy Generated (MWH)	598,250	3,745,780	8,518,090
18. Net Electrical Energy Generated (MWH)	567,106	3,544,276	8,019,988
19. Unit Service Factor	94.1	90.7	76.9
20. Unit Availability Factor	94.1	90.7	76.9
21. Unit Capacity Factor (Using MDC Net)	68.8	62.9	58.9
22. Unit Capacity Factor (Using DER Net)	61.0	55.7	52.2
23. Unit Forced Outage Rate	5.9	9.3	9.7
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): <u>Refueling Outage; September 5, 1986; approximately 60 days</u>			

25. If Shut Down At End Of Report Period. Estimated Date of Startup: NA

26. Units In Test Status (Prior to Commercial Operation).

	<u>Forecast</u>	<u>Achieved</u>
INITIAL CRITICALITY	_____	08/18/82
INITIAL ELECTRICITY	_____	10/20/84
COMMERCIAL OPERATION	_____	07/01/85

## UNIT SHUTDOWNS AND POWER REDUCTIONS

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DATE 08/14/86

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REPORT MONTH JULY

No.	Date	Type (1)	Duration Hours	Reason (2)	Method of Shutting Down Reactor (3)	Licensee Event Report #	System Code (4)	Component Code (5)	Cause & Corrective Action To Prevent Recurrence
86-09	07/25/86	F	43.8	H	3	86-025	ZZ	ZZZZZ	A power supply breaker was inadvertently bumped open causing a loss of air to scram valves. The reactor scrambled on the scram discharge volume high high level that occurred as the scram valves drifted open. Procedural controls are being developed to inspect applicable areas to assess the need for additional equipment protection prior to performing major work activities.

1

F: Forced  
S: Scheduled

2

Reason:  
A-Equipment Failure  
(Explain)  
B-Maintenance or Test  
C-Refueling  
D-Regulatory Restriction  
E-Operator Training &  
Licensing Examination  
F-Administrative  
G-Operational Error  
(Explain)  
H-Other (Explain)

3

Method:  
1-Manual  
2-Manual Scram  
3-Automatic Scram  
4-Continued  
5-Reduced load  
6-Other

4

Exhibit G - Instructions  
for Preparation of Data  
Entry Sheets for Licensee  
Event Report (LER)  
File (NUREG-0161)

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Exhibit 1-Same Source

\*In accordance with  
NUREG 1022



# MAIN STEAM SAFETY RELIEF VALVE CHALLENGES

DOCKET NO. 50-416  
UNIT 1  
DATE 08/14/86  
COMPLETED BY S.H. Hobbs  
TELEPHONE 969-2458

Date of Occurrence: 07/25/86

## Plant Operating Condition:

Rx Power (MWT) 3000 Rx Pressure 1006 Rx Mode 1

Rx Power (MWE) 885 Rx Temperature 525°F

Number of main steam SRV's: 20

Number of SRV's affected by event: 2

## Narrative:

On July 25, 1986 at approximately 1520 hours the reactor scrammed on a scram discharge volume high-high level. A power supply breaker that was inadvertently opened caused an isolation of the instrument air supply to the scram discharge valves and to the main steam isolation valves (MSIVs). The scram discharge valves opened and the MSIVs closed due to loss of air pressure. Safety Relief Valves B21F051D and B21F051B lifted once each.



MISSISSIPPI POWER & LIGHT COMPANY

*Helping Build Mississippi*

P. O. BOX 1640, JACKSON, MISSISSIPPI 39215-1640

August 14, 1986

O. D. KINGSLEY, JR.  
VICE PRESIDENT - NUCLEAR OPERATIONS

Mr. James M. Taylor, Director  
Office of Inspection and Enforcement  
U. S. Nuclear Regulatory Commission  
Washington, D. C. 20555

Attention: Document Control Desk

Dear Mr. Taylor:

SUBJECT: Grand Gulf Nuclear Station  
Unit 1  
Docket No. 50-416  
License No. NPF-29  
Monthly Operating Report  
AECM-86/0250

In accordance with 10CFR50.36, Mississippi Power & Light Company (MP&L) is providing twelve copies of the Monthly Operating Report for Grand Gulf Nuclear Station Unit 1 for July, 1986 (attachment).

If you have any questions or require additional information, please contact this office.

Yours truly,

ODK:vog  
Attachment

cc: Mr. T. H. Cloninger (w/a)  
Mr. R. B. McGehee (w/a)  
Mr. N. S. Reynolds (w/a)  
Mr. H. L. Thomas (w/o)  
Mr. R. C. Butcher (w/a)

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