

DOCKET NO.	50-416
DATE	01/15/87
COMPLETED BY	S. H. Hobbs
TELEPHONE	601-969-2458

OPERATING STATUS

- |   |        |
|---|--------|
| 1. Unit Name: GGNS UNIT 1   | Notes: |
| 2. Reporting Period: December 1986  |        |
| 3. Licensed Thermal Power (MWt): 3833 MWt   |        |
| 4. Nameplate Rating (Gross MWe): 1372.5 MWe   |        |
| 5. Design Electrical Rating (Net MWe): 1250 MWe   |        |
| 6. Maximum Dependable Capacity (Gross MWe): 1157 MWe  |        |
| 7. Maximum Dependable Capacity (Net MWe): 1108 MWe  |        |
| 8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report. Give Reasons: |        |

N/A

- |   |     |
|---|-----|
| 9. Power Level To Which Restricted, If Any (Net MWe): | N/A |
| 10. Reasons For Restrictions, If Any:                 | N/A |

	This Month	Yr to Date	Cumulative
11. Hours In Reporting Period	744	8,760	19,258
12. Number of Hours Reactor Was Critical	148.2	5,623.6	12,348.8
13. Reactor Reserve Shutdown Hours	0	0	0
14. Hours Generator On-Line	21.8	5,330.5	11,077.5
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	61,344	14,654,617	30,611,110
17. Gross Electrical Energy Generated (MWH)	3,100	4,333,610	9,105,920
18. Net Electrical Energy Generated (MWH)	1,136	4,098,054	8,573,766
19. Unit Service Factor	2.9	60.9	60.9
20. Unit Availability Factor	2.9	60.9	60.9
21. Unit Capacity Factor (Using MDC Net)	0.1	42.2	46.2
22. Unit Capacity Factor (Using DER Net)	0.1	37.4	41.0
23. Unit Forced Outage Rate	0	10.8	10.6
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):			

- |  |        |
|--|--------|
| 25. If Shut Down At End Of Report Period. Estimated Date of Startup: | 1/6/87 |
| 26. Units In Test Status (Prior to Commercial Operation).            |        |

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

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MONTH December 1986

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>0</u>	17	<u>0</u>
2	<u>0</u>	18	<u>0</u>
3	<u>0</u>	19	<u>0</u>
4	<u>43</u>	20	<u>0</u>
5	<u>4</u>	21	<u>0</u>
6	<u>0</u>	22	<u>0</u>
7	<u>0</u>	23	<u>0</u>
8	<u>0</u>	24	<u>0</u>
9	<u>0</u>	25	<u>0</u>
10	<u>0</u>	26	<u>0</u>
11	<u>0</u>	27	<u>0</u>
12	<u>0</u>	28	<u>0</u>
13	<u>0</u>	29	<u>0</u>
14	<u>0</u>	30	<u>0</u>
15	<u>0</u>	31	<u>0</u>
16	<u>0</u>		

## UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-416  
UNIT NAME 1  
DATE 01/15/87  
COMPLETED BY S. H. Hobbs  
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REPORT MONTH December

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
86-11	09/05/86	S	722.2	C	4	NA	ZZ	ZZZZZ	Refueling outage continues. The critical path activity for December was the repair of the turbine/generator rotor and number 10 bearing that were damaged when a wrench socket was inadvertently left in the unit during the outage. The generator was placed on-line for 21.8 hours for performance of the turbine over-speed trip test. The test was unsuccessful due to a

- 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
- \*In accordance with  
NUREG 1022

- 4  
Exhibit G - Instructions  
for Preparation of Data  
Entry Sheets for Licensee  
Event Report (LER)  
File (NUREG-0161)
- 5  
Exhibit 1-Same Source



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REPORT MONTH December

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
86-11 CON'T	09/05/86	S	722.2	C	4	NA	ZZ	ZZZZZ	malfunctioning overspeed trip device. Reperformance of the test has been delayed pending completion of the turbine/generator repairs. Operation will resume following turbine generator repair and successful completion of the turbine overspeed trip test.

1  
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Reason:  
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(Explain)  
B-Maintenance or Test  
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D-Regulatory Restriction  
E-Operator Training &  
Licensing Examination  
F-Administrative  
G-Operational Error  
(Explain)  
H-Other (Explain)

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\*In accordance with  
NUREG 1022



DATE: January 15, 1987

OLIVER D. KINGSLEY, JR.  
Vice President  
Nuclear Operations

U. S. Nuclear Regulatory Commission  
Washington, D. C. 20555

Attention: Document Control Desk

Gentlemen:

SUBJECT: Grand Gulf Nuclear Station  
Unit 1  
Docket No. 50-416  
License No. NPF-29  
Monthly Operating Report  
AECM-87/0005

In accordance with the requirement of Technical Specification 6.9.1.10, System Energy Resources, Inc. (SERI) is providing twelve copies of the Monthly Operating Report for Grand Gulf Nuclear Station Unit 1 for December, 1986 (attachment).

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

Yours truly,

ODK:bms  
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)

Dr. J. Nelson Grace, Regional Administrator (w/a)  
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101 Marietta St., N. W., Suite 2900  
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