



**System  
Energy**

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April 13, 1990

U.S. Nuclear Regulatory Commission  
Mail Station P1-137  
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-90/0066

In accordance with the requirements of Technical Specification 6.9.1.10, System Energy Resources, Inc. (SERI) is providing the Monthly Operating Report for Grand Gulf Nuclear Station Unit 1 for March 1990 (attachment).

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

*WTC Cottle*

WTC:cwg  
Attachment

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DOCKET NO. 50-416  
 DATE 04/06/90  
 COMPLETED BY G. A. Zinke  
 TELEPHONE (601)437-2459

OPERATING STATUS

1. Unit Name: GGNS UNIT 1
2. Reporting Period: March 1990
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): 1190 MWe
7. Maximum Dependable Capacity (Net MWe): 1142 MWe
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report. Give Reasons:

Notes:

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   | <u>744</u>       | <u>2,160</u>     | <u>47,722.0</u>    |
| 12. Number of Hours Reactor Was Critical  | <u>744</u>       | <u>2,160</u>     | <u>37,215.7</u>    |
| 13. Reactor Reserve Shutdown Hours  | <u>-0-</u>       | <u>-0-</u>       | <u>-0-</u>         |
| 14. Hours Generator On-Line   | <u>744</u>       | <u>2,160</u>     | <u>35,407.8</u>    |
| 15. Unit Reserve Shutdown Hours   | <u>-0-</u>       | <u>-0-</u>       | <u>-0-</u>         |
| 16. Gross Thermal Energy Generated (MWH)  | <u>2,844,627</u> | <u>8,130,112</u> | <u>119,695,690</u> |
| 17. Gross Electrical Energy Generated (MWH)                                     | <u>925,470</u>   | <u>2,656,169</u> | <u>37,980,129</u>  |
| 18. Net Electrical Energy Generated (MWH)                                       | <u>890,049</u>   | <u>2,553,968</u> | <u>36,291,961</u>  |
| 19. Unit Service Factor   | <u>100.0</u>     | <u>100.0</u>     | <u>77.7</u>        |
| 20. Unit Availability Factor  | <u>100.0</u>     | <u>100.0</u>     | <u>77.7</u>        |
| 21. Unit Capacity Factor (Using MDC Net)  | <u>104.8</u>     | <u>103.5</u>     | <u>73.3</u>        |
| 22. Unit Capacity Factor (Using DER Net)  | <u>95.7</u>      | <u>94.6</u>      | <u>66.2</u>        |
| 23. Unit Forced Outage Rate   | <u>0</u>         | <u>0</u>         | <u>5.4</u>         |
| 24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):  |                  |                  |                    |
| <u>None</u>   |                  |                  |                    |
| 25. If Shut Down At End Of Report Period. Estimated Date of Startup: <u>N/A</u> |                  |                  |                    |
| 26. Units In Test Status (Prior to Commercial Operation).                       |                  |                  |                    |

INITIAL CRITICALITY  
 INITIAL ELECTRICITY  
 COMMERCIAL OPERATION

| Forecast          | Achieved        |
|-------------------|-----------------|
| <u>          </u> | <u>08/18/82</u> |
| <u>          </u> | <u>10/20/84</u> |
| <u>          </u> | <u>07/01/85</u> |



DOCKET NO. 50-416  
 UNIT 1  
 DATE 04/06/90  
 COMPLETED BY G. A. Zinke  
 TELEPHONE 601-437-2459

MONTH March 1990

| DAY | AVERAGE DAILY POWER LEVEL<br>(MW <sub>e</sub> -Net) | DAY | AVERAGE DAILY POWER LEVEL<br>(MW <sub>e</sub> -Net) |
|-----|---|-----|---|
| 1   | <u>1209.2</u>                                       | 17  | <u>1200.0</u>                                       |
| 2   | <u>1214.6</u>                                       | 18  | <u>1202.0</u>                                       |
| 3   | <u>1206.2</u>                                       | 19  | <u>1206.5</u>                                       |
| 4   | <u>1209.5</u>                                       | 20  | <u>1213.6</u>                                       |
| 5   | <u>1200.3</u>                                       | 21  | <u>1208.3</u>                                       |
| 6   | <u>1197.4</u>                                       | 22  | <u>1197.3</u>                                       |
| 7   | <u>1188.3</u>                                       | 23  | <u>1192.6</u>                                       |
| 8   | <u>1184.6</u>                                       | 24  | <u>1195.2</u>                                       |
| 9   | <u>1181.2</u>                                       | 25  | <u>1196.0</u>                                       |
| 10  | <u>1173.8</u>                                       | 26  | <u>1210.1</u>                                       |
| 11  | <u>1182.7</u>                                       | 27  | <u>1206.7</u>                                       |
| 12  | <u>1183.4</u>                                       | 28  | <u>1198.0</u>                                       |
| 13  | <u>1183.2</u>                                       | 29  | <u>1186.5</u>                                       |
| 14  | <u>1182.2</u>                                       | 30  | <u>1186.1</u>                                       |
| 15  | <u>1206.1</u>                                       | 31  | <u>1178.0</u>                                       |
| 16  | <u>1205.5</u>                                       |     |   |

## UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-416DATE 04/06/90COMPLETED BY G. A. ZinkeTELEPHONE 601-437-2459REPORT MONTH March 1990

| No.  | Date | Type<br>(1) | Duration<br>Hours | Reason<br>(2) | Method of<br>Shutting Down<br>Reactor<br>(3) | Licensee<br>Event<br>Report # | System<br>Code<br>(4) | Component<br>Code<br>(5) | Cause & Corrective<br>Action To<br>Prevent Recurrence |
|------|------|-------------|-------------------|---------------|--|-------------------------------|-----------------------|--------------------------|---|
| None |      |             |                   |               |  |                               |                       |                          |   |

1

2

3

4

F: Forced

Reason:

Method:

Exhibit G - Instructions

S: Scheduled

A-Equipment Failure  
(Explain)

1-Manual

for Preparation of Data

B-Maintenance or Test

2-Manual Scram

Entry Sheets for Licensee

C-Refueling

3-Automatic Scram

Event Report (LER)

D-Regulatory Restriction

4-Continued

File (NUREG-0161)

E-Operator Training &  
Licensing Examination

5-Reduced load

F-Administrative

6-Other

G-Operational Error  
(Explain)

5

Exhibit 1-Same Source

H-Other (Explain)