



Entergy

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Operations
Grand Gulf Nuclear Station

January 15, 1997

U.S. Nuclear Regulatory Commission
Mail Station P1-137
Washington, D.C. 20555

Attention: Document Control Desk

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

GNRO-97/00005

Gentlemen:

In accordance with the requirement of Technical Specification 5.6.4, Entergy Operations is providing the Monthly Operating Report for Grand Gulf Nuclear Station Unit 1 for December 1996.

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

Yours truly,

W. J. Hagan
J. J. Hagan

JJH/CWG

attachments: 1. Operating Status
2. Average Daily Power Level
3. Unit Shutdown and Power Reductions

cc: (See Next Page)

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January 15, 1997

GNRO-97/00005

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cc:

Mr. D. C. Hintz (w/a)
Mr. R. B. McGehee (w/a)
Mr. N. S. Reynolds (w/a)
Mr. J. E. Tedrow (w/a)
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Mr. Jack Donohew, Project Manager
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
Mail Stop 13H3
Washington, D.C. 20555

DOCKET NO 50-416
 DATE 01/14/97
 COMPLETED BY S. D. Lin
 TELEPHONE (601) 437-6793

OPERATING STATUS

1. Unit Name: GGNS UNIT 1
2. Reporting Period: December 1996
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): 1228 MWE
7. Maximum Dependable Capacity (Net MWe): 1179 MWE
8. If changes occur in Capacity Ratings (Items 3 through 7) Since Last Report. Give Reason: _____
9. Power Level To Which Restricted, If Any (Net MWe): N/A
10. Reasons For Restrictions, If Any: N/A

	<u>This Month</u>	<u>Yr to Date</u>	<u>Cumulative</u>
11. Hours in Reporting Period	<u>744</u>	<u>8,784</u>	<u>106,960</u>
12. Number of Hours Reactor was Critical	<u>744.0</u>	<u>7,788.0</u>	<u>87,979.0</u>
13. Reactor Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
14. Hours Generator On-Line	<u>733.6</u>	<u>7,698.4</u>	<u>84,876.9</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
16. Gross Thermal Energy Generated (MWH)	<u>2,539,126</u>	<u>28,885,504</u>	<u>303,119,036</u>
17. Gross Electrical Energy Generated (MWH)	<u>860,729</u>	<u>9,602,740</u>	<u>97,271,931</u>
18. Net Electrical Energy Generated (MWH)	<u>826,736</u>	<u>9,224,700</u>	<u>93,224,345</u>
19. Unit Service Factor	<u>98.6</u>	<u>87.6</u>	<u>81.1</u>
20. Unit Availability Factor	<u>98.6</u>	<u>87.6</u>	<u>81.1</u>
21. Unit Capacity Factor (Using MDC Net)	<u>94.3</u>	<u>89.3</u>	<u>79.4</u>
22. Unit Capacity Factor (Using DER Net)	<u>88.9</u>	<u>84.0</u>	<u>72.5</u>
23. Unit Forced Outage Rate	<u>1.4</u>	<u>3.9</u>	<u>6.3</u>
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:			
26. Units in Test Status (Prior to Commercial Operation):			

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

Attachment 2 to GNRO-97/00005

DOCKET NO	<u>50-416</u>
DATE	<u>01/14/97</u>
COMPLETED BY	<u>S. D. Lin</u>
TELEPHONE	<u>(601) 437-6793</u>

MONTH December 1996DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

1	<u>181</u>
2	<u>123</u>
3	<u>297</u>
4	<u>571</u>
5	<u>769</u>
6	<u>1192</u>
7	<u>1048</u>
8	<u>1253</u>
9	<u>1264</u>
10	<u>1255</u>
11	<u>1233</u>
12	<u>1241</u>
13	<u>1254</u>
14	<u>1256</u>
15	<u>1254</u>
16	<u>1271</u>

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

17	<u>1280</u>
18	<u>1283</u>
19	<u>1285</u>
20	<u>1286</u>
21	<u>1247</u>
22	<u>1262</u>
23	<u>1253</u>
24	<u>1275</u>
25	<u>1283</u>
26	<u>1271</u>
27	<u>1254</u>
28	<u>1246</u>
29	<u>1252</u>
30	<u>1253</u>
31	<u>1256</u>

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-416
 UNIT NAME GGNS Unit 1
 DATE 01/14/97
 COMPLETED BY S. D. Lin
 TELEPHONE (601)437-6793

REPORT MONTH December 1996

No.	Date	Type	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 (C&CA)
96-007	12/02/96	F	10.4	A	6	N/A	N/A	4279	Core thermal power reduced to approximately 15% to trip turbine for repairing crack on stub tube for IN11FX301 (isolation valve for an HP Turbine 1st-stage pressure transmitter)

1	2	3	4	5
F: Forced S: Scheduled	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)	Method: 1-Manual 2-Manual Scram 3-Automatic Scram 4-Continued 5-Reduced load 6-Other	Exhibit G - Instructions for Preparation of Data Entry Sheets for Licensee Event Report (LER) File (NUREG-0161)	Exhibit 1 - Same Source