

JOSEPH M. FARLEY NUCLEAR PLANT
UNIT 2
NARRATIVE SUMMARY OF OPERATIONS
DECEMBER, 1983

During the month of December, there was one (1) automatic shutdown which occurred on December 31, 1983.

The following safety-related maintenance was performed in the month of December:

1. Performed miscellaneous maintenance on diesel generators.
2. Repaired 2A condensate pump.
3. Performed scheduled PM on 2C diesel generator.

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OPERATING DATA REPORT

DOCKET NO. 50-364
DATE 1-6-84
COMPLETED BY W. G. Hairston, III
TELEPHONE (205) 899-5156

OPERATING STATUS

1. Unit Name: Joseph M. Farley - Unit 2
2. Reporting Period: December, 1983
3. Licensed Thermal Power (MWt): 2652
4. Nameplate Rating (Gross MWe): 860
5. Design Electrical Rating (Net MWe): 829
6. Maximum Dependable Capacity (Gross MWe): 854.7
7. Maximum Dependable Capacity (Net MWe): 813.7
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:

N/A

Notes

- 1) Cumulative data since 7/30/81, date of commercial operation.

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>8,760</u>	<u>21,241</u>
12. Number Of Hours Reactor Was Critical	<u>736.7</u>	<u>7,758.3</u>	<u>18,542.8</u>
13. Reactor Reserve Shutdown Hours	<u>0.0</u>	<u>0.0</u>	<u>138.0</u>
14. Hours Generator On Line	<u>735.4</u>	<u>7,696.4</u>	<u>18,798.8</u>
15. Unit Reserve Shutdown Hours	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>
16. Gross Thermal Energy Generated (MWH)	<u>1,917,263</u>	<u>19,916,030</u>	<u>45,337,844</u>
17. Gross Electrical Energy Generated (MWH)	<u>628,638</u>	<u>6,313,642</u>	<u>14,986,876</u>
18. Net Electrical Energy Generated (MWH)	<u>598,760</u>	<u>5,983,976</u>	<u>14,200,026</u>
19. Unit Service Factor	<u>98.8</u>	<u>87.9</u>	<u>86.1</u>
20. Unit Availability Factor	<u>98.8</u>	<u>87.9</u>	<u>86.1</u>
21. Unit Capacity Factor (Using MDC Net)	<u>98.9</u>	<u>84.0</u>	<u>82.2</u>
22. Unit Capacity Factor (Using DER Net)	<u>97.1</u>	<u>82.4</u>	<u>80.6</u>
23. Unit Forced Outage Rate	<u>1.0</u>	<u>1.9</u>	<u>5.3</u>
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):			

N/A

25. If Shut Down At End Of Report Period, Estimated Date of Startup: N/A
 26. Units In Test Status (Prior to Commercial Operation):
- | | Forecast | Achieved |
|----------------------|----------------|----------------|
| INITIAL CRITICALITY | <u>5/6/81</u> | <u>5/8/81</u> |
| INITIAL ELECTRICITY | <u>5/24/81</u> | <u>5/25/81</u> |
| COMMERCIAL OPERATION | <u>8/1/81</u> | <u>7/30/81</u> |

DOCKET NO. 50-364UNIT 2DATE 1/6/84COMPLETED BY W.G. Hairston, IIITELEPHONE (205) 899-5156MONTH December, 1983

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	833
2	826
3	791
4	824
5	817
6	743
7	754
8	753
9	749
10	742
11	822
12	828
13	830
14	817
15	836
16	837

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	824
18	837
19	838
20	835
21	836
22	837
23	808
24	834
25	829
26	836
27	834
28	825
29	832
30	819
31	523

INSTRUCTIONS

On this format, list the average daily unit power level in MWe-Net for each day in the reporting month. Compute to the nearest whole megawatt.

(9/77)

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH December, 1983

DOCKET NO. 50-364
 UNIT NAME J.M. Farley-Unit 2
 DATE 1/6/83
 COMPLETED BY W. G. Hairston, III
 TELEPHONE (205) 899-5156

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
008	831231	F	8.6	H	3	NA	NA	NA	Reactor trip due to low level in A steam generator in coincidence with steam flow greater than feed flow.

¹
 F: Forced
 S: Scheduled

²
 Reason:
 A Equipment Failure (Explain)
 B Maintenance or Test
 C Refueling
 D Regulatory Restriction
 E Operator Training & License Examination
 F Administrative
 G Operational Error (Explain)
 H Other (Explain)

³
 Method:
 1 Manual
 2 Manual Scram.
 3 Automatic Scram.
 4 Other (Explain)

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

⁵
 Exhibit I - Same Source

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH November, 1983DOCKET NO. 50-364UNIT NAME J.M. Farley-Unit 2DATE 1/6/84COMPLETED BY W. G. Hairston, IIITELEPHONE (205) 899-5156

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
004	831101	F	87.6	A	3	NA	IA	INSTRU	Reactor trip due to failure of universal driver card.
005	831105	S	1.0	B	NA	NA	NA	NA	Unit taken off line for performance of the turbine overspeed trip test.
006	831106	F	13.4	A	3	NA	CD	INSTRU	Reactor trip due to MSIV limit switch failure.
007	831120	F	0	A	4	NA	HH	MOTORX	Power reduction to 76% for repair of condensate pump motor.

¹
F: Forced
S: Scheduled

²
Reason:
A-Equipment Failure (Explain)
B-Maintenance or Test
C-Refueling
D-Regulatory Restriction
E-Operator Training & License Examination
F-Administrative
G-Operational Error (Explain)
H-Other (Explain)

³
Method:
1-Manual
2-Manual Scram.
3-Automatic Scram.
4-Other (Explain)

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

⁵
Exhibit I - Same Source

JOSEPH M. FARLEY NUCLEAR PLANT
UNIT 2
NARRATIVE SUMMARY OF OPERATIONS
DECEMBER, 1983

During the month of December, there was one (1) automatic shutdown which occurred on December 31, 1983.

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Mailing Address
Alabama Power Company
600 North 18th Street
Post Office Box 2641
Birmingham, Alabama 35291
Telephone 205 783-6081

F. L. Clayton, Jr.
Senior Vice President
Flintridge Building



Alabama Power

the southern electric system

January 15, 1984

Docket No. 50-364

Director, Office of Management
Information and Program Control
U. S. Nuclear Regulatory Commission
Washington, D.C. 20555

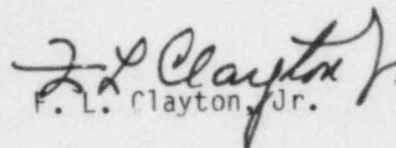
Dear Sir:

**RE: Joseph M. Farley Nuclear Plant
Unit 2
Monthly Operating Data Report**

Attached are two (2) copies of the December, 1983 Monthly Operating Report for Joseph M. Farley Nuclear Plant, Unit 2, required by Section 6.9.1.10 of the Unit 2 Technical Specifications. As requested by letter from Mr. John F. Stolz to Mr. Alan R. Barton, dated October 21, 1977, a "Narrative Summary of Operating Experience" is included in the attached report. Also attached is the revised Unit Shutdowns and Power Reductions page for the November, 1983 Monthly Operating Report which reflects the performance of the turbine overspeed trip test.

If you have any questions, please advise.

Yours very truly,


F. L. Clayton, Jr.

FLCJr/KWM:nac

Enclosures

xc: Mr. Ted Cintula (1 copy)
Director, IE (10 copies)
Director, RII (1 copy)

IE24
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