

JOSEPH M. FARLEY NUCLEAR PLANT  
UNIT 1  
NARRATIVE SUMMARY OF OPERATIONS  
APRIL, 1985

During the month of April, there was one unit shutdown which occurred as planned on April 6, 1985 and initiated the Cycle VI-VII refueling outage.

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

1. Miscellaneous corrective and preventive maintenance was performed on the diesel generators.
2. Eddy current examinations were performed on tubes in the 1A and 1C steam generators. One tube in the 1C steam generator was plugged because it exceeded the pluggable limit. Eddy current testing in the 1B steam generator is scheduled to be completed in May.
3. The reactor was de-fueled and planned inservice and visual inspections of the reactor vessel were completed. The fuel, including 76 new fuel assemblies, was placed back into the reactor vessel.
4. The anti-vibration bars (AVBs) in the 1B steam generator are being removed and replaced with AVBs of a different design. This replacement is in response to concerns about accelerated wear of the steam generator tubes caused by AVBs of the old design.
5. Thirty-two containment vertical tendon field anchors have been removed, inspected and replaced. No cracks have been found. A combined total of 55 horizontal and dome tendon anchors have been inspected.

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# OPERATING DATA REPORT

DOCKET NO. 50-348  
 DATE May 3, 1985  
 COMPLETED BY J. D. Woodard  
 TELEPHONE (205) 899-5156

## OPERATING STATUS

1. Unit Name: Joseph M. Farley - Unit 1
2. Reporting Period: April, 1985
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): 860.9
7. Maximum Dependable Capacity (Net MWe): 816.5
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:  
N/A

### Notes

- 1) Cumulative data since 12-1-77, 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	719	2,879	64,991
12. Number Of Hours Reactor Was Critical	126.8	2,267.4	44,396.4
13. Reactor Reserve Shutdown Hours	0.0	0.0	3,650.0
14. Hours Generator On-Line	126.5	2,221.3	43,245.7
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	329,500	5,793,203	109,693,778
17. Gross Electrical Energy Generated (MWH)	105,332	1,876,160	34,970,474
18. Net Electrical Energy Generated (MWH)	94,616	1,773,522	32,902,568
19. Unit Service Factor	17.6	77.2	66.5
20. Unit Availability Factor	17.6	77.2	66.5
21. Unit Capacity Factor (Using MDC Net)	16.1	75.4	63.4
22. Unit Capacity Factor (Using DER Net)	15.9	74.3	61.1
23. Unit Forced Outage Rate	0.0	2.9	12.7
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): <u>N/A</u>			

25. If Shut Down At End Of Report Period, Estimated Date of Startup: 5-19-85

26. Units In Test Status (Prior to Commercial Operation):	Forecast	Achieved
INITIAL CRITICALITY	<u>08-06-77</u>	<u>08-09-77</u>
INITIAL ELECTRICITY	<u>08-20-77</u>	<u>08-18-77</u>
COMMERCIAL OPERATION	<u>12-01-77</u>	<u>12-01-77</u>

DOCKET NO. 50-348UNIT 1DATE May 3, 1985COMPLETED BY J.D. WoodardTELEPHONE (205) 899-5156MONTH April, 1985

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	809
2	809
3	811
4	808
5	798
6	99
7	0
8	0
9	0
10	0
11	0
12	0
13	0
14	0
15	0
16	0

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	0
18	0
19	0
20	0
21	0
22	0
23	0
24	0
25	0
26	0
27	0
28	0
29	0
30	0
31	

## 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.

# UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH April, 1985

DOCKET NO. 50-348  
 UNIT NAME J.M. Farley - Unit 1  
 DATE May 3, 1985  
 COMPLETED BY L. D. Woodard  
 TELEPHONE (205) 899-5156

No.	Date	Type <sup>1</sup>	Duration (Hours)	Reason <sup>2</sup>	Method of Shutting Down Reactor <sup>3</sup>	Licensee Event Report #	System Code <sup>4</sup>	Component Code <sup>5</sup>	Cause & Corrective Action to Prevent Recurrence
002	850406	S	592.5	C	1	N/A	N/A	N/A	Unit was taken off line for the Cycle VI - VII refueling outage.

<sup>1</sup>  
 F: Forced  
 S: Scheduled

<sup>2</sup>  
 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)

<sup>3</sup>  
 Method:  
 1-Manual  
 2-Manual Scram.  
 3-Automatic Scram.  
 4-Other (Explain)

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

<sup>5</sup>  
 Exhibit I - Same Source

**Mailing Address**  
Alabama Power Company  
600 North 18th Street  
Post Office Box 2641  
Birmingham, Alabama 35291  
Telephone 205 783-6090

**R. P. McDonald**  
Senior Vice President  
Flintridge Building



May 13, 1985

Docket No. 50-348

Director, Office of Resource Management  
U. S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Dear Sir:

RE: Joseph M. Farley Nuclear Plant  
Unit 1  
Monthly Operating Data Report

Attached are two (2) copies of the April 1985 Monthly Operating Report for Joseph M. Farley Nuclear Plant, Unit 1, required by Section 6.9.1.10 of Appendix A of the Technical Specifications.

If you have any questions, please advise.

Yours very truly,

R. P. McDonald

RPM/KWM:sam

Enclosures

xc: Director, IE (10 copies)  
Director, RII (1 copy)

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