

JOSEPH M. FARLEY NUCLEAR PLANT  
UNIT 2  
NARRATIVE SUMMARY OF OPERATIONS  
SEPTEMBER

The unit was shut down on August 31, 1984 due to re-analysis of Cycle II-III eddy current test results which showed significant tube wall degradation in two tubes exceeding the tube plugging limit of Technical Specification 3/4.4.6. This outage continued into the month of September. The unit was returned to service on September 15. Otherwise, there were no unit shutdowns or significant power reductions during the month of September.

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

1. Plugged one tube in steam generator 2A and two tubes in steam generator 2B.
2. Performed miscellaneous corrective and preventive maintenance on diesel generators.
3. Replaced loop 2 downstream MSIV disk assembly due to loose fastener studs and tightened one loose fastener nut on loop 3 downstream MSIV.

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PDR ADDOCK 05000364  
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DOCKET NO. 50-364

UNIT 2

DATE 10-4-84

COMPLETED BY J.D. Woodard

TELEPHONE (205)899-5156

MONTH September, 1984

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>0</u>	17	<u>825</u>
2	<u>0</u>	18	<u>825</u>
3	<u>0</u>	19	<u>829</u>
4	<u>0</u>	20	<u>831</u>
5	<u>0</u>	21	<u>831</u>
6	<u>0</u>	22	<u>818</u>
7	<u>0</u>	23	<u>815</u>
8	<u>0</u>	24	<u>811</u>
9	<u>0</u>	25	<u>814</u>
10	<u>0</u>	26	<u>818</u>
11	<u>0</u>	27	<u>812</u>
12	<u>0</u>	28	<u>816</u>
13	<u>0</u>	29	<u>815</u>
14	<u>0</u>	30	<u>822</u>
15	<u>40</u>	31	<u></u>
16	<u>579</u>		

**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.

**OPERATING DATA REPORT**

DOCKET NO. 50-364  
 DATE 10-4-84  
 COMPLETED BY J. D. Woodard  
 TELEPHONE (205) 899-5156

**OPERATING STATUS**

1. Unit Name: Joseph M. Farley - Unit 2
2. Reporting Period: September, 1984
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): 852.5
7. Maximum Dependable Capacity (Net MWe): 809.1
8. 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	720	6,575	27,816
12. Number Of Hours Reactor Was Critical	387.6	6,190.8	24,733.6
13. Reactor Reserve Shutdown Hours	0.0	0.0	138.0
14. Hours Generator On-Line	367.8	6,122.5	24,421.3
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	944,645	16,022,773	61,360,617
17. Gross Electrical Energy Generated (MWH)	305,148	5,172,828	20,159,704
18. Net Electrical Energy Generated (MWH)	285,208	4,919,270	19,119,296
19. Unit Service Factor	51.1	93.1	87.8
20. Unit Availability Factor	51.1	93.1	87.8
21. Unit Capacity Factor (Using MDC Net)	49.0	92.5	85.0
22. Unit Capacity Factor (Using DER Net)	47.8	90.3	82.9
23. Unit Forced Outage Rate	48.9	6.9	5.7

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):  
Refueling/maintenance outage, 1/4/85, approximately 5½ weeks

25. If Shut Down At End Of Report Period, Estimated Date of Startup: \_\_\_\_\_

	Forecast	Achieved
INITIAL CRITICALITY	<u>05-06-81</u>	<u>05-08-81</u>
INITIAL ELECTRICITY	<u>05-24-81</u>	<u>05-25-81</u>
COMMERCIAL OPERATION	<u>08-01-81</u>	<u>07-30-81</u>

**UNIT SHUTDOWNS AND POWER REDUCTIONS**

DOCKET NO. 50-364  
 UNIT NAME J.M. Farley-Unit 2  
 DATE 10-4-84  
 COMPLETED BY J.D. Woodard  
 TELEPHONE (205) 899-5156

REPORT MONTH September, 1984

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
006	840901	F	352.2	H	1	84-008-00	AB	SG	Unit was shut down on 8-31-84 due to re-analysis of Cycle II-III eddy current test results which showed significant tube wall degradation in two tubes exceeding the tube plugging limit of Technical Specification 3/4.4.6. This outage continued until 9-15-84.

<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



**Alabama Power**  
the southern electric system

October 8, 1984

Docket No. 50-364

Director, Office of Resource Management  
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 September 1984 Monthly Operating Report for Joseph M. Farley Nuclear Plant, Unit 2, required by Section 6.9.1.10 of Appendix A of the 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.

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)

IE24  
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c: Mr. J. M. Farley  
Mr. W. O. Whitt  
Mr. R. P. McDonald  
Mr. H. O. Thrash  
Mr. W. G. Hairston, III  
Mr. L. S. Williams  
Mr. J. D. Woodard  
Mr. A. E. Hammett  
Mr. M. L. Stoltz  
Ms. S. N. Knight  
Mr. J. M. Elliott  
Mr. J. R. Crane  
Mr. B. E. Hunt  
Mr. L. B. Long  
Mr. N. M. Horsley  
Ms. Sylvia Schoel  
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