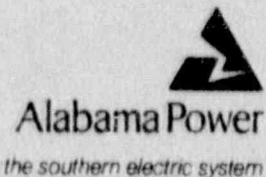


Alabama Power Company  
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W. G. Hairston, III  
Senior Vice President  
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May 14, 1990

Docket No. 50-348


U. S. Nuclear Regulatory Commission  
ATIN: Document Control Desk  
Washington, D. C. 20555

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

Attached is the April 1990 Monthly Operating Report for Joseph M. Farley Nuclear Plant Unit 1, required by Section 6.9.1.10 of the Technical Specifications. Also attached is Temporary Change 8A (TCNSA) to the Offsite Dose Calculation Manual (ODCM) for the Joseph M. Farley Nuclear Plant as required by Section 6.9.1.10 of the Technical Specifications.

If you have any questions, please advise.

Respectfully submitted,

  
W. G. Hairston, III

JGS:sme/1.6

Attachment

cc: Mr. S. D. Ebnetter  
Mr. S. T. Hoffman  
Mr. G. F. Maxwell

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JOSEPH M. FARLEY NUCLEAR PLANT  
UNIT 1  
NARRATIVE SUMMARY OF OPERATIONS  
April, 1990

There were no shutdowns or significant power reductions during the month of April.

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

1. Repaired the overspeed trip mechanism on the turbine driven auxiliary feedwater pump. A defective circuit card had caused a spurious overspeed trip.
2. Miscellaneous corrective and preventive maintenance was performed on the diesel generators.

**OPERATING DATA REPORT**

DOCKET NO. 50-348  
 DATE May 3, 1990  
 COMPLETED BY D. N. Morey  
 TELEPHONE (205) 899-5156

**OPERATING STATUS**

- |   |  |
|---|--|
| 1. Unit Name: <u>Joseph M. Farley - Unit 1</u><br>2. Reporting Period: <u>April 1990</u><br>3. Licensed Thermal Power (MWT): <u>2,652</u><br>4. Nameplate Rating (Gross MWe): <u>860</u><br>5. Design Electrical Rating (Net MWe): <u>829</u><br>6. Maximum Dependable Capacity (Gross MWe): <u>866.1</u><br>7. Maximum Dependable Capacity (Net MWe): <u>823.7</u><br>8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons: <u>N/A</u><br>9. Power Level To Which Restricted, If Any (Net MWe): <u>N/A</u><br>10. Reasons For Restrictions, If Any: <u>N/A</u> | <p align="center"><b>Notes</b></p> 1) Cumulative data since 12-1-77, date of commercial operation. |
|---|--|

	This Month	Yr-to-Date	Cumulative
11. Hours In Reporting Period	719	2,879	108,815
12. Number Of Hours Reactor Was Critical	719.0	2,879.0	83,137.4
13. Reactor Reserve Shutdown Hours	0.0	0.0	3,650.0
14. Hours Generator On-Line	719.0	2,879.0	81,589.2
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	1,906,730	7,491,592	208,645,508
17. Gross Electrical Energy Generated (MWH)	621,678	2,448,118	67,213,268
18. Net Electrical Energy Generated (MWH)	590,538	2,324,058	63,419,024
19. Unit Service Factor	100.0	100.0	75.0
20. Unit Availability Factor	100.0	100.0	75.0
21. Unit Capacity Factor (Using MDC Net)	99.7	98.0	72.2
22. Unit Capacity Factor (Using DER Net)	99.1	97.4	70.3
23. Unit Forced Outage Rate	0.0	0.0	7.9
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):	<b>Forecast</b>	<b>Achieved</b>
INITIAL CRITICALITY	08/06/77	08/09/77
INITIAL ELECTRICITY	08/20/77	08/18/77
COMMERCIAL OPERATION	12/01/77	12/01/77

DOCKET NO. 50-348

UNIT 1

DATE May 3, 1990

COMPLETED BY D. N. Morey

TELEPHONE (205)899-5156

MONTH April

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>783</u>	17	<u>822</u>
2	<u>819</u>	18	<u>821</u>
3	<u>823</u>	19	<u>821</u>
4	<u>826</u>	20	<u>818</u>
5	<u>823</u>	21	<u>819</u>
6	<u>822</u>	22	<u>817</u>
7	<u>827</u>	23	<u>818</u>
8	<u>828</u>	24	<u>817</u>
9	<u>823</u>	25	<u>819</u>
10	<u>820</u>	26	<u>820</u>
11	<u>822</u>	27	<u>819</u>
12	<u>828</u>	28	<u>817</u>
13	<u>827</u>	29	<u>820</u>
14	<u>825</u>	30	<u>815</u>
15	<u>822</u>	31	<u></u>
16	<u>824</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.

## UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-348

UNIT NAME J. M. FARLEY - UNIT 1

DATE May 3, 1990

COMPLETED BY D. N. MOREY

TELEPHONE (205)899-5156

REPORT MONTH APRIL

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
THERE WERE NO UNIT SHUTDOWNS OR SIGNIFICANT POWER REDUCTIONS DURING THE MONTH OF APRIL.									

<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

(9/77)

JOSEPH M. FARLEY NUCLEAR PLANT  
ADDENDUM CONCERNING REVISION TO THE  
OFFSITE DOSE CALCULATION MANUAL

Temporary Change 8A (TCN 8A) to the Offsite Dose Calculation Manual (ODCM) was approved by the PORC on March 16, 1990 and became effective on that date. The methodology in TCN 8A is consistent with the previous revision with the following exception:

A new factor,  $D_r$  (required dilution factor for gamma emitters), was introduced into the calculations which determine the alarm/trip setpoint for the effluent radiation monitors so that 10CFR20 compliance is met. The dilution factor is used to introduce necessary conservatism into the setpoint calculations.

It was determined by the PORC that this change does not reduce the accuracy or reliability of dose calculations or setpoint determinations.

The ODCM applies to Farley Nuclear Plant Units 1 and 2.