

JOSEPH M. FARLEY NUCLEAR PLANT
UNIT 2
NARRATIVE SUMMARY OF OPERATIONS
May, 1986

The Cycle IV - V refueling outage continued into the month of May. During start-up on May 13, before the generator was tied on line, the reactor tripped due to low-low steam generator level which resulted from loss of hydraulic fluid pressure to the 2A steam generator feed pump. The reactor was restarted and the generator was tied on line on May 13, 1986.

The generator was taken off line on May 14 to perform the turbine overspeed trip test and additional post-outage maintenance. The unit returned to operation on May 22, but was taken off line briefly on May 23 to perform a turbine-generator balance move. A significant power reduction occurred on May 28. Power was reduced due to oscillation of a steam generator feed pump governor valve. This was caused by a failure of a controller card in the control circuit.

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

1. Miscellaneous corrective and preventive maintenance was performed on diesel generators.
2. Corrected problem with alignment of 2C reactor coolant pump motor lower bearing during shutdown following overspeed test.

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OPERATING DATA REPORT

DOCKET NO. 50-364
 DATE 6/4/86
 COMPLETED BY J.D. Woodard
 TELEPHONE (205)899-5156

OPERATING STATUS

1. Unit Name: Joseph M. Farley - Unit 2
2. Reporting Period: May, 1986
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): 872.2
7. Maximum Dependable Capacity (Net MWe): 829.2

Notes

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

8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:
N/A

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	744	3,623	42,408
12. Number Of Hours Reactor Was Critical	306.9	2,532.9	41,339.5
13. Reactor Reserve Shutdown Hours	0.0	0.0	138.0
14. Hours Generator On-Line	244.4	2,462.8	35,855.2
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	396,193	6,134,286	90,368,836
17. Gross Electrical Energy Generated (MWH)	122,562	2,037,386	29,760,074
18. Net Electrical Energy Generated (MWH)	100,358	1,919,110	28,208,350
19. Unit Service Factor	32.8	68.0	84.5
20. Unit Availability Factor	32.8	68.0	84.5
21. Unit Capacity Factor (Using MDC Net)	16.3	63.9	81.9
22. Unit Capacity Factor (Using DER Net)	16.3	63.9	80.2
23. Unit Forced Outage Rate	2.6	1.8	4.6

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>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>

DOCKET NO. 50-364

UNIT 2

DATE June 4, 1986

COMPLETED BY J.D. Woodard

TELEPHONE (205) 899-5156

MONTH May

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>0</u>	17	<u>0</u>
2	<u>0</u>	18	<u>0</u>
3	<u>0</u>	19	<u>0</u>
4	<u>0</u>	20	<u>0</u>
5	<u>0</u>	21	<u>0</u>
6	<u>0</u>	22	<u>28</u>
7	<u>0</u>	23	<u>99</u>
8	<u>0</u>	24	<u>185</u>
9	<u>0</u>	25	<u>229</u>
10	<u>0</u>	26	<u>448</u>
11	<u>0</u>	27	<u>618</u>
12	<u>0</u>	28	<u>492</u>
13	<u>51</u>	29	<u>768</u>
14	<u>0</u>	30	<u>825</u>
15	<u>0</u>	31	<u>818</u>
16	<u>0</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. 50-364
 UNIT NAME J.M. Farley-Unit 2
 DATE June 4, 1986
 COMPLETED BY J.D. Woodard
 TELEPHONE (205) 899-5156

REPORT MONTH May

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
002	860501	S	300.6	C	1	N/A	N/A	N/A	The Cycle IV - V refueling outage continued from 4-04-86.
003	860514	S	192.4	B	1	N/A	N/A	N/A	Unit shut down for turbine overspeed trip test and additional post-outage maintenance.
004	860523	F	6.6	B	1	N/A	N/A	N/A	Unit taken off line to perform turbine-generator balance move.
005	860526	F	0.0	H	4	N/A	SJ	SC	Power was reduced due to oscillation of a steam generator feed pump governor valve. This was caused by the failure of a controller card in the control circuit. The card was replaced.

¹
 F: Forced
 S: Scheduled

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

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 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

Mailing Address

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R. P. McDonald
Senior Vice President
Flintridge Building



Alabama Power
the southern electric system

June 10, 1986

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 May 1986 Monthly Operating Report for Joseph M. Farley Nuclear Plant Unit 2, required by Section 6.9.1.10 of the Technical Specifications.

If you have any questions, please advise.

Yours very truly,

R. P. McDonald

RPM/BCE:amh/F-2

Enclosures

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

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