

OPERATING DATA REPORT

DOCKET NO. 50-348
 DATE 1/6/88
 COMPLETED BY J. D. Woodard
 TELEPHONE (205)899-5156

OPERATING STATUS

1. Unit Name: Joseph M. Farley - Unit 1
 2. Reporting Period: December, 1987
 3. Licensed Thermal Power (Mwt): 2,652
 4. Nameplate Rating (Gross MWe): 860
 5. Design Electrical Rating (Net MWe): 829
 6. Maximum Dependable Capacity (Gross MWe): 856.0
 7. Maximum Dependable Capacity (Net MWe): 825.1
 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	744	8,760	88,392
12. Number Of Hours Reactor Was Critical	541.9	8,307.2	65,216.7
13. Reactor Reserve Shutdown Hours	0.0	0.0	3,650.0
14. Hours Generator On-Line	499.8	8,203.1	63,824.5
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	1,235,697	21,095,651	162,423,319
17. Gross Electrical Energy Generated (MWH)	396,554	6,804,494	52,167,538
18. Net Electrical Energy Generated (MWH)	369,520	6,444,862	49,169,196
19. Unit Service Factor	67.2	93.6	72.2
20. Unit Availability Factor	67.2	93.6	72.2
21. Unit Capacity Factor (Using MDC Net)	60.2	89.2	69.1
22. Unit Capacity Factor (Using DER Net)	59.9	88.7	67.1
23. Unit Forced Outage Rate	22.8	3.8	9.7
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):			
Refueling/Maintenance Outage, March 1988, approximately seven weeks			

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	08/06/77	08/09/77
INITIAL ELECTRICITY	08/20/77	08/18/77
COMMERCIAL OPERATION	12/01/77	12/01/77

12/24/11

DOCKET NO. 50-348UNIT 1DATE January 6, 1988COMPLETED BY J. D. WoodardTELEPHONE (205)899-5156MONTH DecemberDAY AVERAGE DAILY POWER LEVEL
(MWe-Net)1 8192 8203 8194 8185 8216 8197 2378 09 010 011 012 013 014 015 016 0DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)17 6318 21319 41620 79021 81522 81923 82124 81625 81226 81127 81228 81429 82330 81731 820

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 JANUARY 6, 1988
 COMPLETED BY J. D. WOODARD
 TELEPHONE (205) 899-5156

REPORT MONTH DECEMBER

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
012	871207	F	244.2	D	1	N/A	ED	CON	The unit was shut down to re-terminate the reactor vessel head vent valves in accordance with approved environmental qualification (EQ) design. In addition, designated instrument splices and connections at terminal blocks inside containment were replaced with environmentally qualified splices to prevent erroneous instrument readings resulting from increased leakage currents during accident conditions.

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-Operation 1 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

(9/77)

JOSEPH M. FARLEY NUCLEAR PLANT
UNIT 1
NARRATIVE SUMMARY OF OPERATIONS
December, 1987

During the month of December, there was one unit shutdown which occurred on December 7 when the unit was removed from service to re-terminate the reactor vessel head vent valves in accordance with approved environmental qualification (EQ) design. In addition, designated instrument splices and connections at terminal blocks inside containment were replaced with environmentally qualified splices to prevent erroneous instrument readings resulting from increased leakage currents during accident conditions. The unit returned to power operation on December 17.

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

1. The program of inspecting electrical splices that were installed utilizing methods not evaluated by design for EQ continued. These splices were re-terminated in accordance with an approved environmentally qualified design on a priority basis.
2. The reactor vessel head vent valves were re-terminated, Environmentally Qualified instrument splices were made in instrument junction boxes, and connections at terminal blocks inside containment were replaced with environmentally qualified splices in several EQ electrical penetrations.
3. Weep hole modifications were performed on designated electrical junction boxes.
4. An oil leak was repaired on the 1C reactor coolant pump.
5. Miscellaneous corrective and preventive maintenance was performed on the diesel generators.

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DOCKET NO. 50-348UNIT 1DATE January 6, 1988COMPLETED BY J. D. WoodardTELEPHONE (205)899-5156MONTH DecemberDAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

1	<u>819</u>
2	<u>820</u>
3	<u>819</u>
4	<u>818</u>
5	<u>821</u>
6	<u>819</u>
7	<u>237</u>
8	<u>0</u>
9	<u>0</u>
10	<u>0</u>
11	<u>0</u>
12	<u>0</u>
13	<u>0</u>
14	<u>0</u>
15	<u>0</u>
16	<u>0</u>

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

17	<u>63</u>
18	<u>213</u>
19	<u>416</u>
20	<u>790</u>
21	<u>815</u>
22	<u>819</u>
23	<u>821</u>
24	<u>816</u>
25	<u>812</u>
26	<u>811</u>
27	<u>812</u>
28	<u>814</u>
29	<u>823</u>
30	<u>817</u>
31	<u>820</u>

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Alabama Power Company
600 North 18th Street
Post Office Box 2641
Birmingham, Alabama 35291-0400
Telephone 205 250-1835

R. P. McDonald
Senior Vice President



January 14, 1988

Docket No. 50-348

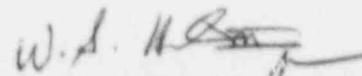
U. S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, D. C. 20555

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

Attached are two (2) copies of the December 1987 Monthly Operating Report for Joseph M. Farley Nuclear Plant Unit 1, required by Section 6.9.1.10 of the Technical Specifications.

If you have any questions, please advise.

Yours very truly,


R. P. McDonald

PPM/JGS:mab/1.6

Attachments

xc: Dr. J. N. Grace

IE24
1/1

JOSEPH M. FARLEY NUCLEAR PLANT
UNIT 1
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