Alabama Power Company
40 Inverness Center Parkway
Post Office Box 1295
Birmingham, Alabama 35201
Telephone 205 868-5581

W. G. Hairston, III
Senior Vice President
Nuclear Operations

Alabama Power
the southern electric system

December 14, 1989

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 is the November 1989 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.

Respectfully submitted,

W. G. Hairston, III

JGS:sme/1.6

Attachment

cc: Mr. S. D. Ebneter
Mr. E. A. Reeves
Mr. G. F. Maxwell

IE24
1/1

JOSEPH M. FARLEY NUCLEAR PLANT
UNIT 1
NARRATIVE SUMMARY OF OPERATIONS
November, 1989

The Cycle 9 - 10 refueling outage continued into the month of November. Power operation began at 2345 on November 9.

The generator was taken off line at 1055 on November 10 to perform the turbine overspeed trip test. The unit returned to power operation at 1854 on November 10.

At 1658 on November 12, a safety injection and reactor trip were initiated due to low steam line pressure. The low steam line pressure resulted from personnel error during maintenance on the digital electro-hydraulic control system. The unit returned to power operation at 1502 on November 14.

At 1855 on November 19, the generator was removed from the grid to recouple the governor valve stems to their actuators. The unit returned to power operation at 0258 on November 21.

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

1. A water leak was repaired on the 1C containment cooler.

2. The turbine driven auxiliary feedwater pump was rebuilt.

3. Repairs were made to the motor driven auxiliary feedwater pump breaker circuitry.

4. The 1B service water pump was replaced.

5. A leak was repaired on the 1C charging pump room cooler.

6. Some high energy line break sensors were recalibrated.

7. A leaking diaphragm on the normal letdown valve actuator was replaced.

8. Miscellaneous corrective and preventive maintenance was performed on the diesel generators.

OPERATING DATA REPORT

DOCKET NO. 50-348
DATE 12/6/89
COMPLETED BY D. N. Morey
TELEPHONE (205)899-5156

OPERATING STATUS

1. Unit Name: Joseph M. Farley - Unit 1
2. Reporting Period: November, 1989
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): 866.1
7. Maximum Dependable Capacity (Net MWe): 823.7
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

Notes

1) Cumulative data since 12-1-77, date of commercial operation

	This Month	Yr-to-Date	Cumulative
11. Hours In Reporting Period	720	8,016	105,192
12. Number Of Hours Reactor Was Critical	510.2	6,869.4	79,514.4
13. Reactor Reserve Shutdown Hours	0.0	0.0	3,650.0
14. Hours Generator On-Line	418.2	6,777.1	77,966.2
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	855,994	17,602,592	199,185,814
17. Gross Electrical Energy Generated (MWH)	271,574	5,709,108	64,115,456
18. Net Electrical Energy Generated (MWH)	244,044	5,400,208	60,477,618
19. Unit Service Factor	58.1	84.5	74.1
20. Unit Availability Factor	58.1	84.5	74.1
21. Unit Capacity Factor (Using MDC Net)	41.1	81.8	71.2
22. Unit Capacity Factor (Using DER Net)	40.9	81.3	69.4
23. Unit Forced Outage Rate	15.7	1.1	8.2

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	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 DECEMBER 6, 1989

COMPLETED BY D. N. Morey

TELEPHONE (205)899-5156

MONTH NOVEMBER

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	0	17	605
2	0	18	653
3	0	19	423
4	0	20	0
5	0	21	334
6	0	22	762
7	0	23	830
8	0	24	834
9	0	25	832
10	27	26	829
11	200	27	828
12	107	28	824
13	0	29	836
14	20	30	837
15	321	31	
16	386		

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.

Form 13/21

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-348
UNIT NAME J. M. FARLEY - UNIT 1
DATE DECEMBER 6, 1989
COMPLETED BY D. N. MOREY
TELEPHONE (205)899-5156

REPORT MONTH NOVEMBER

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
001	891101	S	215.7	C	1	N/A	N/A	N/A	The Cycle 9-10 refueling outage continued from 9-22-89.
002	891110	S	8.0	B	NA*	N/A	N/A	N/A	The generator was taken off-line for the turbine overspeed trip test.
003	891112	F	46.1	H	3	89-006-00	JJ	CPU	A safety injection and reactor trip were initiated due to low steam line pressure. During troubleshooting of an oscillation in the #3 governor valve, the circuit card that controls this valve was replaced with an improperly configured card. This caused the digital electro-hydraulic control (DEHC) to open all three of the other governor valves. This in turn resulted in a decrease in steam line pressure. The person involved has been counseled. As a further enhancement, when troubleshooting the DEHC system during power operation, the governor valve position limiter will be restricted to limit the amount of valve opening.
004	891119	F	32.0	B	NA*	N/A	TA	FCV	The generator was removed from the grid to recouple a governor valve stem to its actuator and make repairs on other governor valve couplings.

[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-Operational 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

*Generator was taken off line while reactor remained critical.

(9/77)
TECH Form 1/2