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Southern Nuclear Operating Company
the southern electric system

Dave Morey
Vice President
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November 14, 1995

Docket Nos. 50-348
50-364

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

Joseph M. Farley Nuclear Plant
Monthly Operating Report

Gentlemen:

Attached are the October 1995 Monthly Operating Reports for Joseph M. Farley Nuclear Plant Units 1 and 2, as required by Section 6.9.1.10 of the Technical Specifications.

If you have any questions, please advise.

Respectfully submitted,

Dave Morey

RWC:(mor)

Attachments

cc: Mr. S. D. Ebneter
Mr. B. L. Siegel
Mr. T. M. Ross

IE24
1/1

Joseph M. Farley Nuclear Plant
Unit 1
Narrative Summary of Operations
October 1995

The unit was taken off line at 0020 on September 16, 1995, for the thirteenth refueling outage.

1. The following safety related maintenance was performed during the month:

   A) Repaired through-wall leak on MOV 8887A.

2. The following maintenance was associated with outage activities:

   A) Converted the 1B RHR pump from a closed-coupled configuration to a coupled configuration. The change will facilitate the removal and replacement of the motor for repair or replacement without requiring the pump casing to be opened and the pump internals disassembled and will reduce radiation exposure for routine maintenance.

   B) Relocated the lower steam generator narrow range level taps to a lower location within the transition cone, allowing for an increased calibrated span on the narrow range level transmitters. The wider span will provide the operators additional time to respond to off normal/transient situations and will minimize the effects of shrink and swell. As a result of this modification, the reactor trip setpoint, turbine trip setpoint, and AMSAC actuation setpoints have changed, as well as the normal operating band and the steam generator level program.

   C) Changed the logic of the Reactor Coolant Bus Undervoltage/Underfrequency (UV/UF) relay circuitry associated with reactor protection system (RPS) from "energize to trip" to "de-energize to trip." The UV/UF circuity will now fail in the safe position on loss of power.

   D) Isolated the refueling water storage tank level inputs to the solid-state protection system from the turbine field inputs. The design for this fuse modification results from the potential effects of a high energy line break in the turbine building.

   E) Plugged an additional 3.17% of steam generator tubes, bringing the total effective plugging level to 6.92%.

OPERATING DATA REPORT

DOCKET NO.	50-348
DATE	November 8, 1995
COMPLETED BY	S. M. Allison
TELEPHONE	(334) 899-5156
	ext. 3442

OPERATING STATUS

1.	Unit Name:	**Joseph M. Farley - Unit 1**
2.	Reporting Period:	October 1995
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):	855.7
7.	Maximum Dependable Capacity (Net MWe):	812

Notes

1) Cumulative data since 12-01-77, 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	745.0	7,296.0	157,056.0
12.	Number Of Hours Reactor Was Critical	0.0	5,971.6	125,228.4
13.	Reactor Reserve Shutdown Hours	0.0	0.0	3,650.0
14.	Hours Generator On-line	0.0	5,935.7	123,389.6
15.	Unit Reserve Shutdown Hours	0.0	0.0	0.0
16.	Gross Thermal Energy Generated (MWH)	0.0	15,409,791.6	317,545,508.6
17.	Gross Electrical Energy Generated (MWH)	0.0	5,028,952.0	102,442,657.0
18.	Net Electrical Energy Generated (MWH)	(12,320.0)	4,749,644.0	96,749,633.0
19.	Unit Service Factor	0.0	81.4	78.6
20.	Unit Availability Factor	0.0	81.4	78.6
21.	Unit Capacity Factor (Using MDC Net)	N/A	80.2	75.6
22.	Unit Capacity Factor (Using DER Net)	N/A	78.5	74.3
23.	Unit Forced Outage Rate	0.0	4.1	5.9

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):
Refueling/Maintenance Outage, Cycle thirteen, in progress.

25. If Shut Down at End Of Report Period, Estimated Date of Startup: 11/01/95

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	November 8, 1995
COMPLETED BY	S. M. Allison
TELEPHONE	(334) 899-5156
	ext. 3442

MONTH **October**

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	0	17	0
2	0	18	0
3	0	19	0
4	0	20	0
5	0	21	0
6	0	22	0
7	0	23	0
8	0	24	0
9	0	25	0
10	0	26	0
11	0	27	0
12	0	28	0
13	0	29	0
14	0	30	0
15	0	31	0
16	0		

INSTRUCTIONS

On this format, list the average daily unit power level in MWe-Net for each day in the reporting period. Compute to the nearest whole megawatt.

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-348
UNIT NAME J. M. Farley - Unit 1
DATE November 8, 1995
COMPLETED BY S. M. Allison
TELEPHONE (334) 899-5156, ext. 3442

REPORT MONTH **October**

NO	DATE	TYPE (1)	DURATION (HOURS)	REASON (2)	METHOD (3)	LER #	SYSTEM CODE	COMPONENT CODE (5)	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
004	951001	S	745	C	1	N/A	N/A	N/A	SEE BELOW

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)

EVENTS REPORTED INVOLVE A GREATER THAN 20% REDUCTION IN AVERAGE DAILY POWER LEVEL FOR THE PRECEDING 24 HOURS.

004 The thirteenth refueling outage continued from 950916.

Joseph M. Farley Nuclear Plant
Unit 2
Narrative Summary of Operations
October 1995

The unit was taken to mode three at 1918 on October 4, 1995, as a precautionary measure due to Hurricane Opal. Subsequently, the unit was returned to criticality and synchronized to the grid at 1924 on October 6, 1995.

There was no major safety related maintenance performed during the month.

OPERATING DATA REPORT

DOCKET NO.	50-364
DATE	November 8, 1995
COMPLETED BY	S. M. Allison
TELEPHONE	(334) 899-5156 ext. 3442

OPERATING STATUS

1.	Unit Name:	Joseph M. Farley - Unit 2
2.	Reporting Period:	October 1995
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):	863.6
7.	Maximum Dependable Capacity (Net MWe):	822

Notes

1) Cumulative data since 07-30-81, 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	745.0	7,296.0	124,969.0
12.	Number Of Hours Reactor Was Critical	720.3	5,818.3	107,476.0
13.	Reactor Reserve Shutdown Hours	0.0	0.0	138.0
14.	Hours Generator On-line	696.8	5,567.0	105,789.6
15.	Unit Reserve Shutdown Hours	0.0	0.0	0.0
16.	Gross Thermal Energy Generated (MWH)	1,776,999.1	12,922,265.9	269,261,971.6
17.	Gross Electrical Energy Generated (MWH)	582,159.0	4,178,788.0	88,233,330.0
18.	Net Electrical Energy Generated (MWH)	552,069.0	3,921,430.0	83,643,728.0
19.	Unit Service Factor	93.5	76.3	84.7
20.	Unit Availability Factor	93.5	76.3	84.7
21.	Unit Capacity Factor (Using MDC Net)	90.1	65.4	81.6
22.	Unit Capacity Factor (Using DER Net)	89.4	64.8	80.7
23.	Unit Forced Outage Rate	6.5	4.5	4.0

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	05/06/81	05/08/81
Initial Electricity	05/24/81	05/25/81
Commercial Operation	08/01/81	07/30/81

DOCKET NO.	50-364
UNIT	2
DATE	November 8, 1995
COMPLETED BY	S. M. Allison
TELEPHONE	(334) 899-5156 ext. 3442

MONTH **October**

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	827	17	837
2	824	18	834
3	822	19	830
4	607	20	833
5	0	21	841
6	0	22	841
7	65	23	835
8	700	24	831
9	831	25	834
10	827	26	839
11	827	27	830
12	827	28	837
13	824	29	841
14	826	30	839
15	839	31	835
16	839		

INSTRUCTIONS

On this format, list the average daily unit power level in MWe-Net for each day in the reporting period. Compute to the nearest whole megawatt.

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-364
UNIT NAME J. M. Farley - Unit 2
DATE November 8, 1995
COMPLETED BY S. M. Allison
TELEPHONE (334) 899-5156, ext. 3442

REPORT MONTH **October**

NO.	DATE	TYPE (1)	DURATION (HOURS)	REASON (2)	METHOD (3)	LER #	SYSTEM CODE	COMPONENT CODE (5)	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
012	951004	F	48.2	H	1	N/A	N/A	N/A	SEE BELOW

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)

EVENTS REPORTED INVOLVE A GREATER THAN 20% REDUCTION IN AVERAGE DAILY POWER LEVEL FOR THE PRECEDING 24 HOURS.

012 The unit was taken to mode three at 1918 on October 4, 1995, as a precautionary measure due to Hurricane Opal. Subsequently, the unit was returned to criticality and synchronized to the grid at 1924 on October 6, 1995.