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Southern Nuclear Operating Company  
*the southern electric system*

Dave Morey  
Vice President  
Farley Project

June 12, 1996

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 May 1996 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. Ebner  
Mr. B. L. Siegel  
Mr. T. M. Ross

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Joseph M. Farley Nuclear Plant  
Unit 1  
Narrative Summary of Operations  
May 1996

At 2200 on May 3, 1996, with the unit operating in mode 1 at 100% reactor power, the unit was shut down for a scheduled maintenance outage to replace the 1A Control Rod Drive Mechanism Cooling Fan motor and the 1A Reactor Cavity Cooling Fan motor. The shutdown was to enhance the unit's reliability.

In response to NRC Bulletin 96-01 "Control Rod Insertion Problems", the unit was manually tripped from 2% reactor power and all rods inserted satisfactorily. Rod drop time testing was completed satisfactorily after the reactor was shutdown.

All repairs were completed and the unit was returned to 100% reactor power at 1137 on May 7, 1996.

The following safety related maintenance was performed during the month:

1. A tube leak was repaired on the 1B Containment Cooler.
2. Performed 9 month, 18 month, and 5 year preventative maintenance and repairs on the 1-2A diesel generator. Included in the repairs were replacement of the intercooler heat exchanger tube bundle, rework of the diesel exhaust system, replacement of the diesel governor and eddy current testing of all heat exchangers.

# OPERATING DATA REPORT

DOCKET NO.	50-348
DATE	June 5, 1996
COMPLETED BY	M. W. McAnulty
TELEPHONE	(334) 899-5156, ext.3640

## OPERATING STATUS

1.	Unit Name:	Joseph M. Farley - Unit 1
2.	Reporting Period:	May 1996
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
8.	If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons: N/A	

### Notes

1) Cumulative data since 12-01-77, 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	744.0	3,647.0	162,167.0
12. Number Of Hours Reactor Was Critical	715.3	3,618.3	130,307.7
13. Reactor Reserve Shutdown Hours	0.0	0.0	3,650.0
14. Hours Generator On-line	700.0	3,603.0	128,278.7
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	1,798,798.6	9,397,566.3	330,151,939.2
17. Gross Electrical Energy Generated (MWH)	584,013.0	3,092,953.0	106,585,107.0
18. Net Electrical Energy Generated (MWH)	552,709.0	2,938,067.0	100,677,719.0
19. Unit Service Factor	94.1	98.8	79.1
20. Unit Availability Factor	94.1	98.8	79.1
21. Unit Capacity Factor (Using MDC Net)	91.5	99.2	76.5
22. Unit Capacity Factor (Using DER Net)	89.6	97.2	74.9
23. Unit Forced Outage Rate	0.0	0.0	5.8
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):			

25. If Shut Down at End Of Report Period, Estimated Date of Startup:	N/A
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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 June 5, 1996  
 COMPLETED BY M. W. McNulty  
 TELEPHONE (334) 899-5156 ext 364

MONTH May

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>832</u>	17	<u>822</u>
2	<u>831</u>	18	<u>822</u>
3	<u>811</u>	19	<u>821</u>
4	<u>51</u>	20	<u>821</u>
5	<u>0</u>	21	<u>822</u>
6	<u>188</u>	22	<u>815</u>
7	<u>638</u>	23	<u>820</u>
8	<u>822</u>	24	<u>816</u>
9	<u>823</u>	25	<u>819</u>
10	<u>822</u>	26	<u>817</u>
11	<u>823</u>	27	<u>817</u>
12	<u>831</u>	28	<u>823</u>
13	<u>830</u>	29	<u>821</u>
14	<u>829</u>	30	<u>818</u>
15	<u>824</u>	31	<u>822</u>
16	<u>822</u>		

#### 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 June 5, 1996

COMPLETED BY M. W. McNulty

TELEPHONE (334) 899-5156, ext.3640

REPORT MONTH May

NO.	DATE	T Y P E (1)	DURATION (HOURS)	R E A S O N (2)	M E T H O D (3)	LER #	S Y S T E M	COMPONENT CODE (5)	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
002	960503	S	44	B	I	N/A	CD, VA	MO	<p>At 2200 on 960503, with the unit operating in mode 1 at 100% reactor power, the unit was shut down for a scheduled maintenance outage to replace the 1A Control Rod Drive Mechanism Cooling Fan motor and the 1A Reactor Cavity Cooling Fan motor. This outage was scheduled to enhance the unit's reliability for the upcoming Olympic Games.</p> <p>In response to NRC Bulletin 96-01 "Control Rod Insertion Problems", the unit was manually tripped from 2% reactor power. All rods fully inserted satisfactorily and rod drop time testing was performed satisfactorily after shutdown.</p> <p>All repairs were completed and the unit was returned to 100% reactor power at 1137 on 960507.</p>

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.

Joseph M. Farley Nuclear Plant  
Unit 2  
Narrative Summary of Operations  
May 1996

At 2205 on May 24, 1996, with the unit operating in mode 1 at 100% reactor power, the unit was ramped down to 15% reactor power to perform a chemistry flush of the steam generators.

Flushing was completed and the unit was returned to 100% reactor power at 0032 on May 27, 1996.

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

# OPERATING DATA REPORT

<b>DOCKET NO.</b>	50-364
<b>DATE</b>	June 5, 1996
<b>COMPLETED BY</b>	M. W. McAnulty
<b>TELEPHONE</b>	(334) 899-5156, ext.3640

## OPERATING STATUS

- |     |  |                           |
|-----|--|---------------------------|
| 1.  | Unit Name:   | Joseph M. Farley - Unit 2 |
| 2.  | Reporting Period:  | May 1996                  |
| 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                       |
| 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 07-30-81, date of commercial operation.

	This Month	Yr.to Date	Cumulative
11. Hours in Reporting Period	744.0	3,647.0	130,080.0
12. Number Of Hours Reactor Was Critical	744.0	3,647.0	112,550.4
13. Reactor Reserve Shutdown Hours	0.0	0.0	138.0
14. Hours Generator On-line	744.0	3,647.0	110,857.2
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	1,880,612.8	9,285,288.6	282,259,079.0
17. Gross Electrical Energy Generated (MWH)	612,276.0	3,059,686.0	92,522,165.0
18. Net Electrical Energy Generated (MWH)	581,700.0	2,910,066.0	87,723,717.0
19. Unit Service Factor	100.0	100.0	85.2
20. Unit Availability Factor	100.0	100.0	85.2
21. Unit Capacity Factor (Using MDC Net)	95.1	97.1	82.3
22. Unit Capacity Factor (Using DER Net)	94.3	96.3	81.3
23. Unit Forced Outage Rate	0.0	0.0	3.9
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):			
Refueling Outage scheduled for October 12, 1996 with a duration of 47 days			

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	June 5, 1996
COMPLETED BY	M. W. McNulty
TELEPHONE	(334) 899-5156 ext 364

MONTH May

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	838	17	825
2	835	18	825
3	828	19	824
4	824	20	825
5	824	21	824
6	825	22	821
7	827	23	823
8	827	24	809
9	827	25	84
10	826	26	204
11	827	27	818
12	833	28	822
13	836	29	823
14	833	30	823
15	828	31	826
16	827		

#### 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 June 5, 1996  
 COMPLETED BY M. W. McAnulty  
 TELEPHONE (334) 899-5156, ext.3640

REPORT MONTH May

NO.	DATE	T Y P E (1)	DURATION (HOURS) (2)	R E A S O N (3)	M E T H O D (4)	LER #	S Y S T E M C O D E (5)	COMPONENT CODE (5)	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
008	960524	S	0	B	4	N/A	AB	SG	At 2205 on 960524, with the unit in mode 1 operating at 100% reactor power, the unit was ramped down to 15% reactor power to perform a chemistry flush of the Steam Generators.  Flushing was completed and the unit was returned to 100% reactor power at 0032 on 960527.

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)  
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3: Method  
 1 - Manual  
 2 - Manual Scram  
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EVENTS REPORTED  
 INVOLVE A  
 GREATER THAN 20%  
 REDUCTION IN  
 AVERAGE DAILY  
 POWER LEVEL FOR  
 THE PRECEDING 24  
 HOURS.