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June 9, 1997

Docket Nos. 79-348  
50-364

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

Joseph M. Farley Nuclear Plant  
Monthly Operating Report

Ladies and Gentlemen:

Attached are the May 1997 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*  
Dave Morey

RWC:(mcr)

Attachments

cc: Mr. L. A. Reyes, Region II Administrator  
Mr. J. I. Zimmerman, NRR Project Manager  
Mr. T. M. Ross, FNP Sr. Resident Inspector

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Joseph M. Farley Nuclear Plant  
Unit 1  
Narrative Summary of Operations  
May 1997

The fourteenth refueling outage continued through the month of May.

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

The following maintenance was associated with outage activities:

1. Completed steam generator inspections and repairs. Plugged 113 tubes bringing the total effective plugging level to 7.0%. Installed 996 sleeves, which includes the return to service of 149 previously plugged tubes.
2. During a walkdown performed for investigation of 1C reactor coolant pump vibrations, it was noted that the gaps for the 1C steam generator lateral supports were incorrect. As a result of the walkdown, adjustable shims were installed to set clearances to the correct position.
3. As part of the power uprate project, the 1B condensate pump was replaced with the spare pump which had three of the seven impellers replaced with impellers designed to increase dynamic head and flow.
4. As part of the power uprate project, RTD sensor cables were rerouted to enable credit to be taken for the ability of the RCS OPDT reactor trip to mitigate a main steam line break.
5. The electrical power and control components of the penetration room filtration system were upgraded to 10CFR50.49, Environmental Qualification (EQ) requirements.
6. The 1B motor control center room, 1B residual heat removal pump room and 1A auxiliary feedwater pump room coolers were replaced.
7. The installation of the RCS zinc addition system was completed.

# OPERATING DATA REPORT

<b>DOCKET NO.</b>	50-348	
<b>DATE</b>	June 3, 1997	
<b>COMPLETED BY</b>	M. W. McAnulty	
<b>TELEPHONE</b>	(334) 899-5156, ext.3640	

## OPERATING STATUS

- |   |                           |
|---|---------------------------|
| 1. Unit Name:   | Joseph M. Farley - Unit 1 |
| 2. Reporting Period:  | May 1997                  |
| 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                       |
| 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 12-01-77, date of commercial operation.

	This Month	Yr. to Date	Cumulative
11. Hours in Reporting Period	744.0	3,623.0	170,927.0
12. Number Of Hours Reactor Was Critical	0.0	1,752.6	137,197.3
13. Reactor Reserve Shutdown Hours	0.0	0.0	3,650.0
14. Hours Generator On-line	0.0	1,752.5	135,168.2
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	0.0	4,511,632.6	348,230,639.0
17. Gross Electrical Energy Generated (MWH)	0.0	1,474,852.0	112,486,430.0
18. Net Electrical Energy Generated (MWH)	(11,372.0)	1,379,484.0	106,261,440.0
19. Unit Service Factor	0.0	48.4	79.1
20. Unit Availability Factor	0.0	48.4	79.1
21. Unit Capacity Factor (Using MDC Net)	N/A	46.3	76.3
22. Unit Capacity Factor (Using DER Net)	N/A	45.9	75.0
23. Unit Forced Outage Rate	0.0	0.0	5.5
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:	06/03/97	
26. Units In Test Status (Prior To Commercial Operation):	<b>Forecast</b>	<b>Achieved</b>
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 3, 1997
COMPLETED BY	M. W. McAnulty
TELEPHONE	(334) 899-5156 ext 3640

MONTH May

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 June 3, 1997  
 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 (4)	COMPONENT CODE (5)	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
002	970315	S	744	C	1	N/A	N/A	N/A	The fourteenth refueling outage continued from 970315.

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 1997

There were no unit shutdowns or power reductions during the month.

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

# OPERATING DATA REPORT

<b>DOCKET NO.</b>	50-364
<b>DATE</b>	June 3, 1997
<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 1997
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	3,623.0	138,840.0
12. Number Of Hours Reactor Was Critical	744.0	3,623.0	119,740.0
13. Reactor Reserve Shutdown Hours	0.0	0.0	138.0
14. Hours Generator On-line	744.0	3,623.0	117,993.9
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	1,971,337.7	9,512,644.5	300,960,738.7
17. Gross Electrical Energy Generated (MWH)	649,415.0	3,154,644.0	98,668,942.0
18. Net Electrical Energy Generated (MWH)	619,077.0	3,007,170.0	93,557,626.0
19. Unit Service Factor	100.0	100.0	85.0
20. Unit Availability Factor	100.0	100.0	85.0
21. Unit Capacity Factor (Using MDC Net)	101.2	101.0	82.1
22. Unit Capacity Factor (Using DER Net)	100.4	100.1	81.3
23. Unit Forced Outage Rate	0.0	0.0	3.6
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	
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 3, 1997
COMPLETED BY	M. W. McNulty
TELEPHONE	(334) 899-5156 ext 3640

MONTH May

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	834	17	836
2	834	18	831
3	820	19	830
4	828	20	824
5	843	21	827
6	840	22	830
7	836	23	829
8	835	24	830
9	829	25	830
10	840	26	826
11	840	27	824
12	838	28	330
13	836	29	833
14	836	30	831
15	828	31	829
16	837		

#### 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.



DOCKET NO.	50-364
UNIT NAME	J. M. Farley - Unit 2
DATE	June 3, 1997
COMPLETED BY	M. W. McAnulty
TELEPHONE	(334) 899-5156, ext.3640

NO.	DATE	T Y P E (1)	DURATION (HOURS) (2)	R E A S O N (2)	M E T H O D (3)	LER #	S Y S C T O E D M E	COMPONENT CODE (5)	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
There were no shutdowns or power reductions during the month.									

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