# JOSEPH M. FARLEY NUCLEAR PLANT UNIT 2 NARRATIVE SUMMARY OF OPERATIONS SEPTEMBER, 1982

There was one unit shutdown in the month of September.

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

- 1. Performed miscellaneous maintenance on diesel generators.
- 2. Repaired seal leak on 2B Boron Injection Recirculation Pump.
- 3. Installed replacement handle on Spent Fuel Pool cooling loop return drain valve.

## OPERATING DATA REPORT

DATE DATE W.G. HairstonIII (205) 899-5156

### **OPERATING STATUS**

	Unit Name: Joseph M. Farley-U	1) Cumulative data since 7/30/81, date					
	Reporting Period: September, 1982						
	Licensed Thermal Power (MWt):						
	Nameplate Rating (Gross MWe):	860	of commercial oper- ation.				
	Design Electrical Rating (Net MWe):	829	deron.				
	. Maximum Dependable Capacity (Gross MWe):	854.7					
	. Maximum Dependable Capacity (Net MWe):	813.7					
8.	. If Changes Occur in Capacity Ratings (Items Numb	ber 3 Through 7) Sin N/A	ace Last Report, Give Ro	easons:			
9.	Power Level To Which Restricted, If Any (Net MW	Ve): N/A					
	Reasons For Restrictions, If Any:	N/A					
		This Month	Yrto-Date	Cumulative			
11.	Hours In Reporting Period	720	6551	10,272			
12.	Number Of Hours Reactor Was Critical	699.4	5818.2	9,504.4			
13.	Reactor Reserve Shutdown Hours	20.6	97.6	139.4			
14.	Hours Generator On-Line	694.2	5726.5	9,393			
5.	Unit Reserve Shutdown Hours	0	0	0			
6	Gross Thermal Energy Generated (MWH)	1,814,278	14,568,592	24,034,749			
7.	Gross Electrical Energy Generated (MWH)	579,122	4,661,258	7,732,646			
8.	Net Electrical Energy Generated (MWH)	550,134	4,415,476	7,336,196			
9.	Unit Service Factor	96.4	87.4	91.4			
	Unit Availability Factor	96.4	87.4	91.4			
	Unit Capacity Factor (Using MDC Net)	93.9	82.8	87.8			
22.	Unit Capacity Factor (Using DER Net)	92.2	81.3	86.2			
	Unit Forced Outage Rate		12.6	8.6			
21.22.23.24.	Unit Capacity Factor (Using MDC Net) Unit Capacity Factor (Using DER Net)	93.9 92.2 3.6 Date, and Duration	82.8 81.3 12.6 of Each):	We			

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	5/06/81	5/08/61
INITIAL ELECTRICITY	5/24/81	5/25/81
COMMERCIAL OPERATION	8/01/81	7/30/81

DOCKET NO. 50-364

UNIT J.M. Farley-Unit 2

DATE 10/04/82

COMPLETED BY W. G. Hairston, III

TELEPHONE (205) 899-5156

AVERAGE DAILY POWER-LEVEL (Mive-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
808	17	798
805 -	18	784
806	19	802
787	20	804
806	21	808
807	22	817
704	23	817
0	24	809
608	25	791
795	26	812
766	27	810
796	23	809
794	29	810
795	30	810
799	31	
799		

### 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 negawatt.

#### **UNIT SHUTDOWNS AND POWER REDUCTIONS**

REPORT MONTH September, 1982

DOCKET NO. 50-364

UNIT NAME
DATE
COMPLETED BY
TELEPHONE (205) 89

J.M. Farley-Unit 2 10/04/82 W.G. Hairston, III . (205) 899-5156

No.	Date	Type1	Duration (Hours)	Reason-	Method of Shutting Down Reactor-3	Licensee Event Report #	System Code <sup>4</sup>	Component Code <sup>5</sup>	Cause & Corrective Action to Prevent Recurrence
012	820907	F	25.8	G	3	NA	EB	TRANSF	Reactor tripped due to startup transformer breaker DG-15 to 2G 4160V bus inadvertently being opened at the time 2B Diesel Generator output breaker was being closed.

F: Forced S: Scheduled

Reason:

A Equipment Failure (Explain)

B-Maintenance of Test

C-Refueling

D-Regulatory Restriction

E-Operator Training & License Examination

F-Administrative

G-Operational Error (Explain)

11 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)

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Exhibit I - Same Source

(9/77)

# JOSEPH M. FARLEY NUCLEAR PLANT UNIT 2 NARRATIVE SUMMARY OF OPERATIONS SEPTEMBER, 1982

There was one unit shutdown in the month of September.

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

- 1. Performed miscellaneous maintenance on diesel generators.
- 2. Repaired seal leak on 2B Boron Injection Recirculation Pump.
- 3. Installed replacement handle on Spent Fuel Pool cooling loop return drain valve.

### OPERATING DATA REPORT

DOCKET NO. 50-364

DATE 10/04/82

COMPLETED BY W.G. Tairston II: (205) 899-5156

### **OPERATING STATUS**

-	Unit Name: _ Joseph M. Farley-	Notes  1) Cumulative data since 7/30/81, date of commercial oper-				
2.	Reporting Period: September, 198					
3.	Licensed Thermal Power (MWt):					
	Nameplate Rating (Gross MWe):					
	Design Electrical Rating (Net MWe):	829	ation.			
	Maximum Dependable Capacity (Gross MWe):	854.7 813.7				
	Maximum Dependable Capacity (Net MWe):					
8.	If Changes Occur in Capacity Ratings (Items Nu	mber 3 Through 7) Sin	ce Last Report, Give Re	easons:		
_		N/A				
0	Power Land To Which Postsisted If Any (Not N	web N/A				
	Power Level To Which Restricted, If Any (Net M Reasons For Restrictions, If Any:	N/A				
		This Mount	V . D.	6 1		
		This Month	Yrto-Date	Cumulative		
11.	Hours In Reporting Period	720	6551	10,272		
-	The same of the sa	600 4	5818.2	9,504.4		
12.	Number Of Hours Reactor Was Critical	699.4	2010.2	9,504.4		
	Number Of Hours Reactor Was Critical Reactor Reserve Shutdown Hours	20.6	97.6			
13.	Number Of Hours Reactor Was Critical Reactor Reserve Shutdown Hours Hours Generator On-Line		-			
13.	Reactor Reserve Shutdown Hours	20.6	97.6	139.		
13.	Reactor Reserve Shutdown Hours Hours Generator On-Line	20.6	97.6 5726.5	9,393 0		
13. 14. 15.	Reactor Reserve Shutdown Hours Hours Generator On-Line Unit Reserve Shutdown Hours	20.6 694.2 0 1,814,278 579,122	97.6 5726.5 0	138. 9,393 0 24,034,749		
13. 14. 15. 16.	Reactor Reserve Shutdown Hours Hours Generator On-Line Unit Reserve Shutdown Hours Gross Thermal Energy Generated (MWH)	20.6 694.2 0 1,814,278 579,122 550,134	97.6 5726.5 0 14,568.592 4,661,268 4,415,476	138.4 9,393 0 24,034,749 7,732,646 7,336,196		
13. 14. 15. 16. 7. 18.	Reactor Reserve Shutdown Hours Hours Generator On-Line Unit Reserve Shutdown Hours Gross Thermal Energy Generated (MWH) Gross Electrical Energy Generated (MWH)	20.6 694.2 0 1,814,278 579,122 550,134 96.4	97.6 5726.5 0 14,568.592 4,661,268 4,415,476 87.4	138.4 9,393 0 24,034,749 7,732,646 7,336,196		
13. 14. 15. 16. 17. 18.	Reactor Reserve Shutdown Hours Hours Generator On-Line Unit Reserve Shutdown Hours Gross Thermal Energy Generated (MWH) Gross Electrical Energy Generated (MWH) Net Electrical Energy Generated (MWH)	20.6 694.2 0 1,814,278 579,122 550,134 96.4 96.4	97.6 5726.5 0 14,568.592 4,661,268 4,415,476 87.4	139.4 9,393 0 24,034,749 7,732,646 7,336,196 91.4		
13. 14. 15. 16. 17. 18.	Reactor Reserve Shutdown Hours Hours Generator On-Line Unit Reserve Shutdown Hours Gross Thermal Energy Generated (MWH) Gross Electrical Energy Generated (MWH) Net Electrical Energy Generated (MWH) Unit Service Factor	20.6 694.2 0 1,814,278 579,122 550,134 96.4 96.4 93.9	97.6 5726.5 0 14,568.592 4,661,268 4,415,476 87.4 87.4 87.4	138.4 9,393 0 24,034,749 7,732,646 7,336,196 91.4 87.8		
13. 14. 15. 16. 17. 18. 19.	Reactor Reserve Shutdown Hours Hours Generator On-Line Unit Reserve Shutdown Hours Gross Thermal Energy Generated (MWH) Gross Electrical Energy Generated (MWH) Net Electrical Energy Generated (MWH) Unit Service Factor Unit Availability Factor	20.6 694.2 0 1,814,278 579,122 550,134 96.4 96.4 93.9 92.2	97.6 5726.5 0 14,568.592 4,661,268 4,415,476 87.4 87.4 82.8 81.3	138.4 9,393 0 24,034,749 7,732,646 7,336,196 91.4 87.8		
13. 14. 15. 16. 17. 18. 19. 20. 21.	Reactor Reserve Shutdown Hours Hours Generator On-Line Unit Reserve Shutdown Hours Gross Thermal Energy Generated (MWH) Gross Electrical Energy Generated (MWH) Net Electrical Energy Generated (MWH) Unit Service Factor Unit Availability Factor Unit Capacity Factor (Using MDC Net)	20.6 694.2 0 1,814,278 579,122 550,134 96.4 96.4 93.9	97.6 5726.5 0 14,568.592 4,661,268 4,415,476 87.4 87.4 87.4	138.4 9,393 0 24,034,749 7,732,640 7,336,190 91.4 87.1		
13. 14. 15. 16. 17. 18. 19. 20. 21. 22.	Reactor Reserve Shutdown Hours Hours Generator On-Line Unit Reserve Shutdown Hours Gross Thermal Energy Generated (MWH) Gross Electrical Energy Generated (MWH) Net Electrical Energy Generated (MWH) Unit Service Factor Unit Availability Factor Unit Capacity Factor (Using MDC Net) Unit Capacity Factor (Using DER Net)	20.6 694.2 0 1,814,278 579,122 550,134 96.4 96.4 93.9 92.2 3.6	97.6 5726.5 0 14,568.592 4,661,268 4,415,476 87.4 87.4 82.8 81.3 12.6	139. 9,393 0 24,034,749 7,732,640 7,336,19 91. 91. 87. 86.		
13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23.	Reactor Reserve Shutdown Hours Hours Generator On-Line Unit Reserve Shutdown Hours Gross Thermal Energy Generated (MWH) Gross Electrical Energy Generated (MWH) Net Electrical Energy Generated (MWH) Unit Service Factor Unit Availability Factor Unit Capacity Factor (Using MDC Net) Unit Capacity Factor (Using DER Net) Unit Forced Outage Rate	20.6 694.2 0 1,814,278 579,122 550,134 96.4 96.4 93.9 92.2 3.6 be, Date, and Duration	97.6 5726.5 0 14,568.592 4,661,268 4,415,476 87.4 87.4 82.8 81.3 12.6	139. 9,393 0 24,034,749 7,732,640 7,336,190 91. 91. 87. 86.3		

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	5/06/81	5/08/61
INITIAL ELECTRICITY	5/24/81	5/25/81
COMMERCIAL OPERATION	8/01/81	7/30/81

DOCKET NO. 50-364

UNIT J.M. Farley-Unit :

DATE 10/04/82

COMPLETED BY W. G. Hairston, II

TELEPHONE (205) 899-5156

AVERAGE DAILY POWER-LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
808	17	798
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608	25	791
795	26	812
766	27	810
796	28	809
794	29	810
795	30	810
799	31	
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## INSTRUCTIONS

On this formar, list the average daily unit power level in MWe-Net for each day in the reporting month. Compute to, the nearest whole negawatt.

## UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH September, 1982

DOCKET NO.

UNIT NAME
DATE

COMPLETED BY
TELEPHONE

DOCKET NO.

J.M. Far
10/04/82
W.G. Hai
(205) 899

J.M. Farley-Unit 2 10/04/82 W.G. Hairston, III (205) 899-5156

No.	Date	Typel	Duration (Hours)	Reason-	Method of Shutting Down Reactor3	Licensee Event Report #	System Code <sup>4</sup>	Component Code <sup>5</sup>	Cause & Corrective Action to Prevent Recurrence
012	820907	F	25.8	G	3	NA	EB	TRANSF	Reactor tripped due to startup transformer breaker DG-15 to 2G 4160V bus inadvertently being opened at the time 2B Diesel Generator output breaker was being closed.

F: Forced S: Scheduled 94

Reason:

A-Equipment Failure (Explain)

B-Maintenance of Test

C-Refueling

D-Regulatory Restriction

E-Operator Training & License Examination

F-Administrative

G-Operational Error (Explain)

H Other (Explain)

3

Method:

I-Manual

2-Manual Scram.

3-Automatic Scram.

4-Other (Explain)

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Exhibit G - Instructions for Preparation of Data Entry Sheets for Licensee Event Report (LER) File (NUREG-0161)

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Exhibit 1 - Same Source

(9/77)

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