

JOSEPH M. FARLEY NUCLEAR PLANT
UNIT 1
NARRATIVE SUMMARY OF OPERATIONS
SEPTEMBER, 1982

In the month of September there was one (1) unit shutdown.

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

1. Performed miscellaneous maintenance on diesel generators.
2. Rewired starter box and replaced contactor to accommodate 15KW lube oil heater on diesel generators 1C and 2C.
3. Disassembled Waste Evaporator Feed Pump and installed new bearings, oil seals, seal housing "O" ring and impeller "O" ring.
4. Installed stops for Spent Fuel Pool Heat Exchanger 1B Maintenance Monorail.
5. Repacked #9 River Water Pump.

8210190723 821012
PDR ADOCK 05000348
R PDR

OPERATING DATA REPORT

DOCKET NO. 50-348
 DATE 10/04/82
 COMPLETED BY W. G. Hairston, III
 TELEPHONE (205) 899-5156

OPERATING STATUS

1. Unit Name: Joseph M. Farley-Unit 1
2. Reporting Period: September, 1982
3. Licensed Thermal Power (MWt): 2652
4. Nameplate Rating (Gross MWe): 860
5. Design Electrical Rating (Net MWe): 829
6. Maximum Dependable Capacity (Gross MWe): 844.6
7. Maximum Dependable Capacity (Net MWe): 803.6

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	<u>720</u>	<u>6551</u>	<u>42,359</u>
12. Number Of Hours Reactor Was Critical	<u>709.9</u>	<u>4982.2</u>	<u>25,964</u>
13. Reactor Reserve Shutdown Hours	<u>10.1</u>	<u>104.5</u>	<u>3,596.5</u>
14. Hours Generator On-Line	<u>707.3</u>	<u>4779.1</u>	<u>25,108.8</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
16. Gross Thermal Energy Generated (MWH)	<u>1,812,488</u>	<u>12,068,904</u>	<u>63,013,815</u>
17. Gross Electrical Energy Generated (MWH)	<u>572,236</u>	<u>3,794,606</u>	<u>20,031,558</u>
18. Net Electrical Energy Generated (MWH)	<u>542,016</u>	<u>3,566,112</u>	<u>18,789,836</u>
19. Unit Service Factor	<u>98.2</u>	<u>73.0</u>	<u>59.3</u>
20. Unit Availability Factor	<u>98.2</u>	<u>73.0</u>	<u>59.3</u>
21. Unit Capacity Factor (Using MDC Net)	<u>93.7</u>	<u>67.7</u>	<u>55.2</u>
22. Unit Capacity Factor (Using DER Net)	<u>90.8</u>	<u>65.7</u>	<u>53.5</u>
23. Unit Forced Outage Rate	<u>1.8</u>	<u>26.8</u>	<u>19.4</u>

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):

Refueling Outage; January 1, 1983; Approximately 10 weeks

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	<u>8/06/77</u>	<u>8/09/77</u>
INITIAL ELECTRICITY	<u>8/20/77</u>	<u>8/18/77</u>
COMMERCIAL OPERATION	<u>12/01/77</u>	<u>12/01/77</u>

DOCKET NO. 50-348

UNIT J. M. Farley-Unit 1

DATE 10/04/82

COMPLETED BY W. G. Hairston, III

TELEPHONE (205) 899-5156

MONTH September

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>568</u>	17	<u>791</u>
2	<u>782</u>	18	<u>791</u>
3	<u>791</u>	19	<u>791</u>
4	<u>790</u>	20	<u>793</u>
5	<u>795</u>	21	<u>798</u>
6	<u>794</u>	22	<u>805</u>
7	<u>796</u>	23	<u>808</u>
8	<u>797</u>	24	<u>804</u>
9	<u>790</u>	25	<u>803</u>
10	<u>788</u>	26	<u>804</u>
11	<u>790</u>	27	<u>447</u>
12	<u>789</u>	28	<u>232</u>
13	<u>788</u>	29	<u>700</u>
14	<u>789</u>	30	<u>799</u>
15	<u>787</u>	31	<u> </u>
16	<u>790</u>		

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.

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH September, 1982

DOCKET NO. 50-348
 UNIT NAME J.M. Farley-Unit 1
 DATE 10/04/82
 COMPLETED BY W.G. Hairston, III
 TELEPHONE (205) 899-5156

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
008	820927	F	12.7	A	3	NA	EB	RELAYX	A printed circuit card for a protective relay for a load center input breaker failed, hence de-energizing the load center. This resulted in an open indication on Reactor Coolant Pump #1 breaker, thus causing a Unit trip. Following the replacement of the printed circuit card, the Unit was returned to service.

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

JOSEPH M. FARLEY NUCLEAR PLANT
UNIT 1
NARRATIVE SUMMARY OF OPERATIONS
SEPTEMBER, 1982

In the month of September there was one (1) unit shutdown.

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

1. Performed miscellaneous maintenance on diesel generators.
2. Rewired starter box and replaced contactor to accommodate 15KW lube oil heater on diesel generators 1C and 2C.
3. Disassembled Waste Evaporator Feed Pump and installed new bearings, oil seals, seal housing "O" ring and impeller "O" ring.
4. Installed stops for Spent Fuel Pool Heat Exchanger 1B Maintenance Monorail.
5. Repacked #9 River Water Pump.

OPERATING DATA REPORT

DOCKET NO. 50-348
 DATE 10/04/82
 COMPLETED BY W. G. Hairston, III
 TELEPHONE (205) 899-5156

OPERATING STATUS

1. Unit Name: Joseph M. Farley-Unit 1
2. Reporting Period: September, 1982
3. Licensed Thermal Power (MWt): 2652
4. Nameplate Rating (Gross MWe): 860
5. Design Electrical Rating (Net MWe): 829
6. Maximum Dependable Capacity (Gross MWe): 844.6
7. Maximum Dependable Capacity (Net MWe): 803.6

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	<u>720</u>	<u>6551</u>	<u>42,359</u>
12. Number Of Hours Reactor Was Critical	<u>709.9</u>	<u>4982.2</u>	<u>25,964</u>
13. Reactor Reserve Shutdown Hours	<u>10.1</u>	<u>104.5</u>	<u>3,596.5</u>
14. Hours Generator On-Line	<u>707.3</u>	<u>4779.1</u>	<u>25,108.8</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
16. Gross Thermal Energy Generated (MWH)	<u>1,812,488</u>	<u>12,068,904</u>	<u>63,013,815</u>
17. Gross Electrical Energy Generated (MWH)	<u>572,236</u>	<u>3,794,606</u>	<u>20,031,558</u>
18. Net Electrical Energy Generated (MWH)	<u>542,016</u>	<u>3,566,112</u>	<u>18,789,836</u>
19. Unit Service Factor	<u>98.2</u>	<u>73.0</u>	<u>59.3</u>
20. Unit Availability Factor	<u>98.2</u>	<u>73.0</u>	<u>59.3</u>
21. Unit Capacity Factor (Using MDC Net)	<u>93.7</u>	<u>67.7</u>	<u>55.2</u>
22. Unit Capacity Factor (Using DER Net)	<u>90.8</u>	<u>65.7</u>	<u>53.5</u>
23. Unit Forced Outage Rate	<u>1.8</u>	<u>26.8</u>	<u>19.4</u>

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):
Recueling Outage; January 1, 1983; Approximately 10 weeks

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	<u>8/06/77</u>	<u>8/09/77</u>
INITIAL ELECTRICITY	<u>8/20/77</u>	<u>8/18/77</u>
COMMERCIAL OPERATION	<u>12/01/77</u>	<u>12/01/77</u>

DOCKET NO. 50-348

UNIT J. M. Farley-Unit 1

DATE 10/04/82

COMPLETED BY W. G. Hairston, III

TELEPHONE (205) 899-5156

MONTH September

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>568</u>	17	<u>791</u>
2	<u>782</u>	18	<u>791</u>
3	<u></u>	19	<u>791</u>
4	<u>790</u>	20	<u>793</u>
5	<u>795</u>	21	<u>798</u>
6	<u>794</u>	22	<u>805</u>
7	<u>796</u>	23	<u>808</u>
8	<u>797</u>	24	<u>804</u>
9	<u>790</u>	25	<u>803</u>
10	<u>788</u>	26	<u>804</u>
11	<u>790</u>	27	<u>447</u>
12	<u>789</u>	28	<u>232</u>
13	<u>788</u>	29	<u>700</u>
14	<u>789</u>	30	<u>799</u>
15	<u>787</u>	31	<u></u>
16	<u>790</u>		

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.

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH September, 1982

DOCKET NO. 50-348
 UNIT NAME J.M. Farley-Unit 1
 DATE 10/04/82
 COMPLETED BY W.G. Hairston, III
 TELEPHONE (205) 899-5156

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
008	820927	F	12.7	A	3	NA	EB	RELAYX	A printed circuit card for a protective relay for a load center input breaker failed, hence de-energizing the load center. This resulted in an open indication on Reactor Coolant Pump #1 breaker, thus causing a Unit trip. Following the replacement of the printed circuit card, the Unit was returned to service.

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