

JOSEPH M. FARLEY NUCLEAR PLANT
UNIT 2
NARRATIVE SUMMARY OF OPERATIONS
AUGUST, 1981

There were four (4) automatic shutdowns from Mode 1, one (1) automatic shutdown from Mode 2 and one (1) power reduction in the month of August.

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

1. Performed miscellaneous maintenance on diesel generators.
2. Repacked #6 River Water Pump.
3. Replaced agastat timer relay for "A" Train Service Water battery charger.

OPERATING DATA REPORT

DOCKET NO. 50-364
 DATE 9/1/81
 COMPLETED BY W.G. Hairston, III
 TELEPHONE (205) 899-5156

OPERATING STATUS

1. Unit Name: Joseph M. Farley - Unit 2
2. Reporting Period: August, 1981
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): 860*
7. Maximum Dependable Capacity (Net MWe): 829*
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:
N/A

Notes: 1) Cumulative data since 7/30/81, 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 | <u>744</u> | <u>792</u> | <u>792</u> |
| 12. Number Of Hours Reactor Was Critical | <u>720.7</u> | <u>768.7</u> | <u>768.7</u> |
| 13. Reactor Reserve Shutdown Hours | <u>23.3</u> | <u>23.3</u> | <u>23.3</u> |
| 14. Hours Generator On-Line | <u>713.6</u> | <u>761.6</u> | <u>761.6</u> |
| 15. Unit Reserve Shutdown Hours | <u>0</u> | <u>0</u> | <u>0</u> |
| 16. Gross Thermal Energy Generated (MWH) | <u>1,830,226.9</u> | <u>1,948,821.9</u> | <u>1,948,821.9</u> |
| 17. Gross Electrical Energy Generated (MWH) | <u>588,357</u> | <u>626,600</u> | <u>626,600</u> |
| 18. Net Electrical Energy Generated (MWH) | <u>557,784</u> | <u>594,086</u> | <u>594,086</u> |
| 19. Unit Service Factor | <u>95.9</u> | <u>96.2</u> | <u>96.2</u> |
| 20. Unit Availability Factor | <u>95.9</u> | <u>96.2</u> | <u>96.2</u> |
| 21. Unit Capacity Factor (Using MDC Net) | <u>90.4</u> | <u>90.5</u> | <u>90.5</u> |
| 22. Unit Capacity Factor (Using DER Net) | <u>90.4</u> | <u>90.5</u> | <u>90.5</u> |
| 23. Unit Forced Outage Rate | <u>04.1</u> | <u>03.8</u> | <u>03.8</u> |
| 24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): <u>N/A</u> | | | |

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>5/6/81</u> | <u>5/8/81</u> |
| INITIAL ELECTRICITY | <u>5/24/81</u> | <u>5/25/81</u> |
| COMMERCIAL OPERATION | <u>8/1/81</u> | <u>7/30/81</u> |

*The Nameplate Rating/Design Electrical Rating will be used for the Maximum Dependable Capacity unit an accurate value can be determined from operating experience.

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-364

UNIT 2

DATE 9/1/81

COMPLETED BY W. G. Hairston, III

TELEPHONE (205)899-5156

MONTH August, 1981

| DAY | AVERAGE DAILY POWER LEVEL (MWe-Net) |
|-----|--|
| 1 | <u>799</u> |
| 2 | <u>297</u> |
| 3 | <u>753</u> |
| 4 | <u>785</u> |
| 5 | <u>795</u> |
| 6 | <u>795</u> |
| 7 | <u>796</u> |
| 8 | <u>766</u> |
| 9 | <u>754</u> |
| 10 | <u>807</u> |
| 11 | <u>807</u> |
| 12 | <u>804</u> |
| 13 | <u>802</u> |
| 14 | <u>491</u> |
| 15 | <u>777</u> |
| 16 | <u>801</u> |

| DAY | AVERAGE DAILY POWER LEVEL (MWe-Net) |
|-----|--|
| 17 | <u>803</u> |
| 18 | <u>806</u> |
| 19 | <u>806</u> |
| 20 | <u>811</u> |
| 21 | <u>816</u> |
| 22 | <u>813</u> |
| 23 | <u>800</u> |
| 24 | <u>813</u> |
| 25 | <u>811</u> |
| 26 | <u>809</u> |
| 27 | <u>530</u> |
| 28 | <u>798</u> |
| 29 | <u>747</u> |
| 30 | <u>415</u> |
| 31 | <u>802</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 August, 1981DOCKET NO. 50-364UNIT NAME J.M. Farley-Unit 2DATE 9/1/81COMPLETED BY W.G. Hairston, IIITELEPHONE (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 |
|-----|--------|-------------------|---------------------|---------------------|--|-------------------------------|-----------------------------|--------------------------------|--|
| 023 | 810802 | F | 12.0 | A | 3 | N/A | HB | INSTRU | Turbine Trip-Reactor Trip due to false indication of MSIV 3369B closing. Limit switch repaired |
| 024 | 810814 | F | 5.8 | H | 3 | N/A | HH | XXXXXX | Turbine Trip-Reactor Trip due to loss of SGFP 2B on low lube oil pressure while swapping strainers. Adjusted flow orifice. |
| 025 | 810814 | F | 0 | A | 4 | N/A | HH | INSTRU | Unit held at 450 Mwe due to inability to latch SGFP 2A. I&C replaced a faulty relay in the seal-in trip circuit. |

¹
F: Forced
S: Scheduled

²
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:
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

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH August, 1981BUCKET NO. 50-364UNIT NAME J.H. Farley Unit 2DATE 9/1/81COMPLETED BY W.G. Hairston, IIITELEPHONE (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 |
|-----|--------|-------------------|---------------------|---------------------|--|-------------------------------|-----------------------------|--------------------------------|---|
| 026 | 8/0827 | F | 4.2 | G | 3 | N/A | HB | INSTRU | Turbine Trip-Reactor Trip due to S/G 2A High High level. Flow switch on MCB was mispositioned during STP performance resulting in an erroneous signal to the FRV's. |
| 027 | 8/0829 | F | 4.4 | A | 3 | N/A | HA | INSTRU | Turbine Trip-Reactor Trip due to S/G 2B Low Low level. DEH malfunction caused all Governor valves to close. |
| 028 | 8/0830 | F | 4.0 | G | 3 | N/A | HH | HTEKCH | Reactor Trip due to S/G 2B Low Low level during startup. |

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