

JOSEPH M. FARLEY NUCLEAR PLANT
UNIT 1
NARRATIVE SUMMARY OF OPERATIONS
November, 1992

The cycle 11-12 refueling outage continued through the month of November.

The following major safety related maintenance was performed during the month of November:

1. Performed testing and maintenance on various safety-related hydraulic and mechanical snubbers.
2. Performed numerous maintenance tasks on the reactor coolant pumps including seal inspection and main flange stud elongation checks.
3. Performed numerous maintenance tasks on the auxiliary feedwater pumps.
4. Replaced the tube bundle in the 600 volt load center IE room cooler.
5. Performed various design changes on the service water system including the replacement of some existing carbon steel piping with stainless steel.
6. Replaced one main steam safety on each main steam line.
7. Performed various design changes in 600 volt load centers including calibrating "Agastat" relays.
8. Performed miscellaneous corrective and preventive maintenance on the diesel generators.
9. Performed internals inspection on various service water and component cooling water check valves.
10. Performed eddy current testing, sleeving of tubes, and plugging of tubes in all three steam generators.

OPERATING DATA REPORT

DOCKET NO. 50-348
 DATE December 8, 1992
 COMPLETED BY R. D. Hill
 TELEPHONE (205) 899-5156

OPERATING STATUS

1. Unit Name: Joseph M. Farley - Unit 1
2. Reporting Period: November 1992
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): 812.0
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 12-1-77, date of commercial operation.

	This Month	Yr-to-Date	Cumulative
11. Hours In Reporting Period	720.0	8,040.0	131,496.0
12. Number Of Hours Reactor Was Critical	34.6	6,489.0	102,399.9
13. Reactor Reserve Shutdown Hours	0.0	0.0	3,650.0
14. Hours Generator On-Line	0.0	6,454.1	100,718.4
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	257.2	17,036,145.7	258,440,769.2
17. Gross Electrical Energy Generated (MWH)	66.0	5,484,700.0	83,269,462.0
18. Net Electrical Energy Generated (MWH)	(11,782)	5,185,162.0	78,599,960.0
19. Unit Service Factor	0.0	80.3	76.6
20. Unit Availability Factor	0.0	80.3	76.6
21. Unit Capacity Factor (Using MDC Net)	N/A	79.4	73.9
22. Unit Capacity Factor (Using DER Net)	N/A	77.8	72.1
23. Unit Forced Outage Rate	0.0	0.0	6.7
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):	N/A		

25. If Shut Down At End Of Report Period, Estimated Date of Startup: 12/2/92
26. Units In Test Status (Prior to Commercial Operation):

INITIAL CRITICALITY
 INITIAL ELECTRICITY
 COMMERCIAL OPERATION

08/05/77	08/09/77
08/20/77	08/18/77
12/01/77	12/01/77

DOCKET NO. 50-348UNIT 1DATE December 8, 1992COMPLETED BY R. D. HillTELEPHONE (205) 899-5156MONTH NovemberDAY AVERAGE DAILY PCWER LEVEL
(MWe-Net)

1	<u>0</u>
2	<u>0</u>
3	<u>0</u>
4	<u>0</u>
5	<u>0</u>
6	<u>0</u>
7	<u>0</u>
8	<u>0</u>
9	<u>0</u>
10	<u>0</u>
11	<u>0</u>
12	<u>0</u>
13	<u>0</u>
14	<u>0</u>
15	<u>0</u>
16	<u>0</u>

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

17	<u>0</u>
18	<u>0</u>
19	<u>0</u>
20	<u>0</u>
21	<u>0</u>
22	<u>0</u>
23	<u>0</u>
24	<u>0</u>
25	<u>0</u>
26	<u>0</u>
27	<u>0</u>
28	<u>0</u>
29	<u>0</u>
30	<u>0</u>
31	<u>N/A</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.

AVGDLY.PWR

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-348
 UNIT NAME J. M. Farley - Unit 1
 DATE December 8, 1992
 COMPLETED BY R. D. Hill
 TELEPHONE (205) 899-5156

REPORT MONTH: NOVEMBER

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
002	921001	S	720	C	1	N/A	N/A	N/A	The cycle 11-12 refueling continued from 920925.

1:

F: Forced
 S: Scheduled

2:

Reason:
 A - Equipment Failure (Explain)
 B - Maintenance or Test
 C - Refueling
 D - Regulatory Restriction
 E - Operator Training & Licensing 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
 Preparations for Data Entry
 Sheets for Licensee Event
 Report (LER) File (NUREG-0161)

5:

Exhibit I - Same Source

JOSEPH M. FARLEY NUCLEAR PLANT
UNIT 2
NARRATIVE SUMMARY OF OPERATIONS
November, 1992

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

The following major safety-related maintenance was performed during the month:

1. Miscellaneous corrective and preventive maintenance was performed on the diesel generators.

OPERATING DATA REPORT

DOCKET NO. 50-364
 DATE December 8, 1992
 COMPLETED BY R. D. Hill
 TELEPHONE (205) 899-5156

OPERATING STATUS

1. Unit Name: Joseph M. Farley - Unit 2
2. Reporting Period: November 1992
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): 864.3
7. Maximum Dependable Capacity (Net MWe): 824.0
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 7-30-81, date of commercial operation

	This Month	Yr-to-Date	Cumulative
11. Hours In Reporting Period	720.0	8,040.0	99,409.0
12. Number Of Hours Reactor Was Critical	720.0	6,413.6	85,277.9
13. Reactor Reserve Shutdown Hours	0.0	0.0	138.0
14. Hours Generator On-Line	720.0	6,244.2	84,172.7
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	1,890,053.9	15,619,568.6	214,578,890.2
17. Gross Electrical Energy Generated (MWH)	621,225.0	5,072,345.0	70,368,429.0
18. Net Electrical Energy Generated (MWH)	591,885.0	4,791,953.0	66,726,015.0
19. Unit Service Factor	100.0	77.7	84.7
20. Unit Availability Factor	100.0	77.7	84.7
21. Unit Capacity Factor (Using MDC Net)	99.8	72.3	81.9
22. Unit Capacity Factor (Using DER Net)	99.2	71.9	81.0
23. Unit Forced Outage Rate	0.0	3.1	4.1
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):	N/A		

25. If Shut Down At End Of Report Period, Estimated Date of Startup: N/A
26. Units In Test Status (Prior to Commercial Operation):

INITIAL CRITICALITY
 INITIAL ELECTRICITY
 COMMERCIAL OPERATION

Forecast	Achieved
05/06/81	05/08/81
05/24/81	05/25/81
08/01/81	07/30/81

DOCKET NO. 50-364UNIT 2DATE December 8, 1992COMPLETED BY R. D. HillTELEPHONE (205) 899-5156MONTH NovemberDAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

1	<u>816</u>
2	<u>815</u>
3	<u>814</u>
4	<u>814</u>
5	<u>822</u>
6	<u>828</u>
7	<u>829</u>
8	<u>829</u>
9	<u>827</u>
10	<u>826</u>
11	<u>823</u>
12	<u>816</u>
13	<u>826</u>
14	<u>827</u>
15	<u>826</u>
16	<u>828</u>

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

17	<u>827</u>
18	<u>826</u>
19	<u>823</u>
20	<u>810</u>
21	<u>804</u>
22	<u>814</u>
23	<u>22</u>
24	<u>820</u>
25	<u>816</u>
26	<u>824</u>
27	<u>812</u>
28	<u>828</u>
29	<u>827</u>
30	<u>827</u>
31	<u>N/A</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.

AVGDLY.PWR

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-364
 UNIT NAME J. M. Farley - Unit 2
 DATE December 8, 1992
 COMPLETED BY R. D. Hill
 TELEPHONE (205) 899-5156

REPORT MONTH: NOVEMBER

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
There were no unit shutdowns or major power reductions during the month of November									

- 1: F: Forced
 S: Scheduled
- 2: Reason:
 A - Equipment Failure (Explain)
 B - Maintenance or Test
 C - Refueling
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 E - Operator Training & Licensing 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
 Preparations for Data Entry
 Sheets for Licensee Event
 Report (LER) File (NUREG-0161)
- 5: Exhibit I - Same Source

JOSEPH M. FARLEY NUCLEAR PLANT
ADDENDUM CONCERNING REVISION TO THE
OFFSITE DOSE CALCULATION MANUAL

Temporary change 10A to the Offsite Dose Calculation Manual (ODCM) was approved by the Plant Operations Review Committee (PORC) on September 14, 1992. This temporary change was incorporated into revision 11 and approved by the PORC on December 1, 1992. The ODCM was revised to include a specific step showing the calculation of the actual (anticipated) dilution factor available for a liquid effluent release and to modify the manner in which concentrations of non-gamma-emitting radionuclides are applied in the liquid effluent monitor setpoint calculation. This revision was desirable since the liquid effluent monitor only responds to gamma-emitting radionuclides. The entire ODCM is attached.

It was determined by the PORC that these changes do not reduce the accuracy or reliability of dose calculation or setpoint determinations.

The ODCM applies to Farley Nuclear Plant Units 1 and 2.