

JOSEPH M. FARLEY NUCLEAR PLANT
UNIT 2
NARRATIVE SUMMARY OF OPERATIONS
December, 1990

The cycle 7 - 8 refueling outage continued through the month of December.

On 12-31-90, during plant heat-up and pressurization in Mode 3, pressurizer power operated relief valve (PORV) 445A opened. Reactor coolant system (RCS) pressure was increasing slowly in a controlled manner and RCS pressure and temperature were in the normal range. The RCS pressure was approximately 1730 psig when the PORV opened. The PORV block valve was closed immediately, isolating the PORV, and the RCS pressure was quickly restored. Normal setpoint for opening the PORV is 2335 psig. The cause of this event was improper setup of the air operated actuator. The PORV was repaired and returned to service on 1-2-91.

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

1. The 120V vital AC inverters were replaced.
2. Replaced some of the carbon steel service water piping with stainless steel.
3. Replaced the positioner on motor driven auxiliary feedwater flow control valves.
4. Miscellaneous corrective and preventive maintenance was performed on numerous safety related valves.
5. 303 previously plugged steam generator tubes were unplugged and 574 additional tubes were plugged.

OPERATING DATA REPORT

DOCKET NO. 50-364

DATE January 8, 1991

COMPLETED BY D. N. Morey

TELEPHONE (205)899-5156

OPERATING STATUS

1. Unit Name: Joseph M. Farley - Unit 2
2. Reporting Period: December 1990
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): 868.6
7. Maximum Dependable Capacity (Net MWe): 828.2
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	744	8,760	82,609
12. Number Of Hours Reactor Was Critical	0.0	6,501.1	70,384.2
). Reactor Reserve Shutdown Hours	0.0	0.0	138.0
14. Hours Generator On-Line	0.0	6,479.2	69,551.2
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	0.0	16,947,682	177,203,949
17. Gross Electrical Energy Generated (MWH)	50	5,539,414	58,205,956
18. Net Electrical Energy Generated (MWH)	-9,388	5,250,732	55,194,122
19. Unit Service Factor	0.0	74.0	84.2
20. Unit Availability Factor	0.0	74.0	84.2
21. Unit Capacity Factor (Using MDC Net)	N/A	72.4	81.6
22. Unit Capacity Factor (Using DER Net)	N/A	72.3	80.6
23. Unit Forced Outage Rate	0.0	1.4	4.2
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: January 6, 1991
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

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UNIT 2

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MONTH December

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>0</u>	17	<u>0</u>
2	<u>0</u>	18	<u>0</u>
3	<u>0</u>	19	<u>0</u>
4	<u>0</u>	20	<u>0</u>
5	<u>0</u>	21	<u>0</u>
6	<u>0</u>	22	<u>0</u>
7	<u>0</u>	23	<u>0</u>
8	<u>0</u>	24	<u>0</u>
9	<u>0</u>	25	<u>0</u>
10	<u>0</u>	26	<u>0</u>
11	<u>0</u>	27	<u>0</u>
12	<u>0</u>	28	<u>0</u>
13	<u>0</u>	29	<u>0</u>
14	<u>0</u>	30	<u>0</u>
15	<u>0</u>	31	<u>0</u>
16	<u>0</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.

UNITY SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-364
 UNIT NAME J. M. FARLEY - U 2
 DATE January 8, 1991
 COMPLETED BY D. H. MOREY
 TELEPHONE (205)899-5156

REPORT MONTH DECEMBER

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
004	901201	S	744	C	1	N/A	N/A	N/A	The cycle 7-8 refueling outage continued from 901013.

¹F: Forced
 S: Scheduled

²Reason:
 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)

³Method:
 1-Manual
 2-Manual Scram.
 3-Automatic Scram.
 4-Other (Explain)

⁴Exhibit G-Instructions for Preparation of Data Entry Sheets for Licensee Event Report(LEB) File (NUREG-0161)

⁵Exhibit I -Same Source