

OPERATING DATA REPORT

DOCKET NO. 50-348
DATE 10-7-83
COMPLETED BY W. G. Hairston, III
TELEPHONE (205)899-5156

OPERATING STATUS

1. Unit Name: Joseph M. Farley - Unit 1
2. Reporting Period: October, 1983
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
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:
N/A

Notes

- 1) Cumulative data since 12-1-77, 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>745</u>	<u>7,296</u>	<u>51,864</u>
12. Number Of Hours Reactor Was Critical	<u>723.5</u>	<u>5,511.7</u>	<u>33,659.2</u>
13. Reactor Reserve Shutdown Hours	<u>11.1</u>	<u>36.2</u>	<u>3,650.7</u>
14. Hours Generator On-Line	<u>684.9</u>	<u>5,371.2</u>	<u>32,639.4</u>
15. Unit Reserve Shutdown Hours	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>
16. Gross Thermal Energy Generated (MWH)	<u>1,789,981</u>	<u>13,729,161</u>	<u>82,219,210</u>
17. Gross Electrical Energy Generated (MWH)	<u>567,630</u>	<u>4,332,748</u>	<u>26,103,332</u>
18. Net Electrical Energy Generated (MWH)	<u>537,068</u>	<u>4,081,870</u>	<u>24,522,090</u>
19. Unit Service Factor	<u>91.9</u>	<u>73.6</u>	<u>62.9</u>
20. Unit Availability Factor	<u>91.9</u>	<u>73.6</u>	<u>62.9</u>
21. Unit Capacity Factor (Using MDC Net)	<u>89.7</u>	<u>69.6</u>	<u>58.8</u>
22. Unit Capacity Factor (Using DER Net)	<u>87.0</u>	<u>67.5</u>	<u>57.0</u>
23. Unit Forced Outage Rate	<u>8.1</u>	<u>1.6</u>	<u>15.9</u>

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

Refueling/maintenance outage, February 1984, 60 to 70 days

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>8/6/77</u>	<u>8/9/77</u>
INITIAL ELECTRICITY	<u>8/20/77</u>	<u>8/18/77</u>
COMMERCIAL OPERATION	<u>12/1/77</u>	<u>12/1/77</u>

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PDR ADDCK 05000348
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DOCKET NO. 50-348UNIT 1DATE 11/6/83COMPLETED BY W.G. Hairston, IIITELEPHONE (205)899-5156MONTH October, 1983DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

1	<u>803</u>
2	<u>799</u>
3	<u>795</u>
4	<u>791</u>
5	<u>789</u>
6	<u>800</u>
7	<u>801</u>
8	<u>798</u>
9	<u>799</u>
10	<u>798</u>
11	<u>804</u>
12	<u>796</u>
13	<u>640</u>
14	<u>0</u>
15	<u>727</u>
16	<u>670</u>

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

17	<u>0</u>
18	<u>472</u>
19	<u>795</u>
20	<u>794</u>
21	<u>794</u>
22	<u>797</u>
23	<u>795</u>
24	<u>802</u>
25	<u>803</u>
26	<u>807</u>
27	<u>704</u>
28	<u>842</u>
29	<u>808</u>
30	<u>842</u>
31	<u>808</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 October, 1983

DOCKET NO. 50-348
 UNIT NAME J.M. Farley - Unit 1
 DATE 11/6/83
 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
005	831013	F	26.4	A	1	NA	HD	HTEXCH	Unit taken off line to repair turbine gland exhaust condenser.
006	831016	F	33.7	A	3	NA	IA	INSTRU	With one overtemperature delta temperature channel in test a spike on a second channel caused a reactor trip. A subsequent reactor trip occurred due to LoLo S/G level caused by operator error.
NOTE: Event numbers reflect a revision to this page in the January - June reports. Events for January - June 1983 were incorrectly numbered.									

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

DOCKET NO. 50-348
 UNIT NAME J.M. Farley-Unit 1
 DATE 2/02/83
 COMPLETED BY W.G. Hairston, III
 TELEPHONE (205) 899-5156

REPORT MONTH JANUARY

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
001	830114	S	411.5	C	3	NA	NA	NA	Unit was shut down for Cycle 4 - Cycle 5 refueling outage. While ramping down for the scheduled outage, the reactor tripped prematurely due to low steam generator level.

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 Reason:
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UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH FEBRUARY

DOCKET NO. 50-348
 UNIT NAME J.M. Farley-Unit 1
 DATE 3/02/83
 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
001	830201	S	672	C	3	NA	NA	NA	The Unit 1 Cycle 4 - Cycle 5 refueling outage continued from 1/31/83.

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(9/77)

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH MARCH

DOCKET NO. 50-348
 UNIT NAME J.M. Farley-Unit 1
 DATE 4/02/83
 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
001	830201	S	713.6	C	3	NA	NA	NA	The Unit 1 Cycle 4 - Cycle 5 refueling outage continued from 2/28/83.

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 D Regulatory Restriction
 E Operator Training & License Examination
 F Administrative
 G Operational Error (Explain)
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(9/77)

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH APRIL

DOCKET NO. 50-348
 UNIT NAME J.M.Farley-Unit 1
 DATE 5/02/83
 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
002	830413	S	38.3	B	1	NA	NA	NA	Turbine overspeed trip test; maintenance outage.

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UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-348
 UNIT NAME J.M.Farley-Unit 1
 DATE 6/02/83
 COMPLETED BY W.G.Hairston, III
 TELEPHONE (205) 899-5156

REPORT MONTH MAY

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
003	830525	F	0	B	4	83-024/03L-0	CB	VALVEX	Unit was reduced to 35% during resolution of RCS unidentified leakage in excess of 1 GPM.

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UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH JUNE

DOCKET NO. 50-348
 UNIT NAME J.M. Farley-Unit 1
 DATE 7/06/83
 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
004	830615	F	29.3	A	NA	NA	HD	HTEXCH	Unit taken off line to repair turbine gland steam exhaust condenser following failure of the condenser fan.

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(9/77)

JOSEPH M. FARLEY NUCLEAR PLANT
UNIT 1
NARRATIVE SUMMARY OF OPERATIONS
OCTOBER, 1983

During the month of October, there were two (2) unit shutdowns. On October 13, 1983 a manual shutdown was initiated for repair of the turbine gland exhaust condenser. An automatic shutdown occurred on October 16, 1983.

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

1. Performed miscellaneous maintenance on diesel generators.
2. Removed waste evaporator condensate tank manway cover.
3. Overhauled #9 river water pump.
4. Replaced numerous waste evaporator filters.
5. Repaired refueling water purification pump.

OPERATING DATA REPORT

DOCKET NO. 50-348
DATE 10-7-83
COMPLETED BY W. G. Hairston, III
TELEPHONE (205) 899-5156

OPERATING STATUS

1. Unit Name: Joseph M. Farley - Unit 1
2. Reporting Period: October, 1983
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5. Design Electrical Rating (Net MWe): 829
6. Maximum Dependable Capacity (Gross MWe): 844.6
7. Maximum Dependable Capacity (Net MWe): 803.6
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:
N/A

Notes

- 1) Cumulative data since 12-1-77, 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>745</u>	<u>7,296</u>	<u>51,864</u>
12. Number Of Hours Reactor Was Critical	<u>723.5</u>	<u>5,511.7</u>	<u>33,659.2</u>
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20. Unit Availability Factor	<u>91.9</u>	<u>73.6</u>	<u>62.9</u>
21. Unit Capacity Factor (Using MDC Net)	<u>89.7</u>	<u>69.6</u>	<u>58.8</u>
22. Unit Capacity Factor (Using DER Net)	<u>87.0</u>	<u>67.5</u>	<u>57.0</u>
23. Unit Forced Outage Rate	<u>8.1</u>	<u>1.6</u>	<u>15.9</u>

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

Refueling/maintenance outage, February 1984, 60 to 70 days

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
<u>8/6/77</u>	<u>8/9/77</u>
<u>8/20/77</u>	<u>8/18/77</u>
<u>12/1/77</u>	<u>12/1/77</u>

DOCKET NO. 50-348UNIT 1DATE 11/6/33COMPLETED BY W.G. Hairston, IIITELEPHONE (205)899-5156MONTH October, 1983

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>803</u>
2	<u>799</u>
3	<u>795</u>
4	<u>791</u>
5	<u>789</u>
6	<u>800</u>
7	<u>801</u>
8	<u>798</u>
9	<u>799</u>
10	<u>798</u>
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12	<u>796</u>
13	<u>640</u>
14	<u>0</u>
15	<u>727</u>
16	<u>670</u>

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17	<u>0</u>
18	<u>472</u>
19	<u>795</u>
20	<u>794</u>
21	<u>794</u>
22	<u>797</u>
23	<u>795</u>
24	<u>802</u>
25	<u>803</u>
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29	<u>808</u>
30	<u>842</u>
31	<u>808</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.

(9/77)

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH October, 1983

DOCKET NO. 50-348

UNIT NAME J.M. Farley - Unit 1

DATE 11/6/83

COMPLETED BY W.G. Hairston, III

TELEPHONE (205) 899-5156

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