

NRC MONTHLY OPERATING REPORT

SUMMARY OF OPERATIONS

WATERFORD 3

MAY 1985

Power ascension testing continued during the month as the unit achieved 80% power. The unit started the month at 50% power. On May 2 a power reduction to 20% was initiated in preparation for the remote shutdown test. On May 2 at 1110, at 20% power, the reactor was manually tripped to test remote shutdown capability. On May 4 at 0450, the generator was back on line. On May 5 at 0007, at 17% power, a reactor trip occurred on low departure from nucleate boiling ratio due to inadvertent closure of a main steam isolation valve. On May 5 at 1707, the generator was back on line. On May 6, a power increase from 50% power to 80% power was started. On May 7, the unit achieved 80% power.

On May 11 at 0945, at 65% power, a shutdown was commenced due to reactor coolant system leakage greater than one gallon per minute. At 1530, the generator was taken off line. At 1543 at 0.8% power, a reactor trip occurred on high steam generator level. The cause of the reactor coolant system leakage was identified as packing leaks on the pressurizer spray valves. The unit remained shut down to perform repairs. On May 18 at 1212, the generator was back on line. On May 18 at 1808, at 25% power, a reactor trip occurred on low steam generator level due to a feedwater pump trip. On May 19 at 1125, the generator was back on line. On May 23 at 2039, at 65% power, a reactor trip occurred on low steam generator level due to a feedwater pump trip. On May 24 at 1433, at 11% power, a reactor trip occurred on high steam generator level due to a malfunction of a steam bypass control valve. On May 24 at 1927, the generator was back on line. On May 28 at 1245, at 80% power, a reactor trip occurred on low departure from nucleate boiling ratio due to manually tripping the reactor cooling pumps as a part of the loss of reactor coolant flow test. On May 29 at 0450, the generator was back on line.

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On May 29 at 0631, at 20% power, a reactor trip on low reactor coolant flow occurred due to manually tripping the turbine as a part of the loss of offsite power test. On May 31 at 0655, the reactor was returned to critical. On May 31 at 1650, the unit was shut down to remove lead carbonate deposits found in the electrical generator. The unit remained in this condition through the end of the month.

SPRING-LOADED PRESSURIZER SAFETY VALVE

FAILURES AND CHALLENGES

WATERFORD 3

During the month of May 1985, there were no spring-loaded pressurizer safety valve failures or challenges.

OPERATING DATA REPORT

UNIT NAME: WATERFORD 3
 CITY/STATE: KILLONA/LA
 DATE: JUNE 1985

OPERATING STATUS

1. Docket: 50-382
2. Reporting Period: MAY 1985
3. Utility Contact: GEORGE MILLER
 Phone Number: (504) 467-8211
4. Licensed Thermal Power (MWt): 3390
5. Nameplate Rating (Gross MWe): 1153
6. Design Electrical Rating (Net MWe): 1104
7. Maximum Dependable Capacity (Gross MWe): (Note 1)
8. Maximum Dependable Capacity (Net MWe): (Note 1)
9. If Changes Occur in Capacity Ratings (Items Number 4 Through 8) Since Last Report, Give Reasons: N/A
10. Power Level To Which Restricted, if Any (Net MWe): NONE
11. Reasons For Restrictions, If Any: N/A

Notes

(1) Maximum Dependable Capacity (Gross and Net MWe) will be determined after the 100% warranty run.

	This Month	Yr.-to-Date	Cumulative
12. Hours In Reporting Period	<u>744.0</u>	<u>1777.1</u>	<u>1777.1</u>
13. Number Of Hours Reactor Was Critical	<u>440.4</u>	<u>1045.8</u>	<u>1045.8</u>
14. Reactor Reserve Shutdown Hours	<u>-0-</u>	<u>-0-</u>	<u>-0-</u>
15. Hours Generator On-Line	<u>384.0</u>	<u>918.1</u>	<u>918.1</u>
16. Unit Reserve Shutdown Hours	<u>-0-</u>	<u>-0-</u>	<u>-0-</u>

OPERATING DATA REPORT

(Continued)

	This Month	Yr.-to-Date	Cumulative
17. Gross Thermal Energy Generated (MWH)	<u>809,488.3</u>	<u>1,465,992.0</u>	<u>1,465,992.0</u>
18. Gross Electrical Energy Generated (MWH)	<u>248,310.0</u>	<u>430,790.0</u>	<u>430,790.0</u>
19. Net Electrical Energy Generated (MWH)	<u>230,369.0</u>	<u>389,747.0</u>	<u>389,747.0</u>
20. Unit Service Factor	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>
21. Unit Availability Factor	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>
22. Unit Capacity Factor (Using MDC Net)	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>
23. Unit Capacity Factor (Using DER Net)	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>
24. Unit Forced Outage Rate	<u>38.6</u>	<u>44.2</u>	<u>44.2</u>
25. Unit Forced Outage Hours	<u>287.3</u>	<u>786.3</u>	<u>786.3</u>
26. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):	<u>N/A</u>		
27. If Shut Down At End of Report Period, Estimated Date Of Startup:	<u>06/20/85</u>		
28. Units In Test Status (Prior to Commercial Operation):			

	<u>Forecast</u>	<u>Achieved</u>
INITIAL CRITICALITY	<u> </u>	<u>3/4/85</u>
INITIAL ELECTRICITY	<u> </u>	<u>3/18/85</u>
COMMERCIAL OPERATION	<u>6/85</u>	<u> </u>

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-382

UNIT WATERFORD 3

DATE JUNE 1985

COMPLETED BY GEORGE MILLER

TELEPHONE 504-467-8211

MONTH MAY 1985

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

1	<u>500</u>
2	<u>166</u>
3	<u>-0-</u>
4	<u>16</u>
5	<u>83</u>
6	<u>527</u>
7	<u>739</u>
8	<u>846</u>
9	<u>841</u>
10	<u>819</u>
11	<u>386</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>16</u>
19	<u>96</u>
20	<u>469</u>
21	<u>444</u>
22	<u>510</u>
23	<u>490</u>
24	<u>43</u>
25	<u>617</u>
26	<u>792</u>
27	<u>772</u>
28	<u>416</u>
29	<u>7</u>
30	<u>-0-</u>
31	<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.

UNIT SHUTDOWNS AND POWER REDUCTIONS
REPORT FOR MAY 1985

DOCKET NO	50-382
UNIT NAME	WATERFORD 3
DATE	JUNE 1985
COMPLETED BY	GEORGE MILLER
TELEPHONE	504-467-8211

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
85-005	850502	S	56.6	B	2	N/A	ZZ	ZZZZ	At 20% power, the reactor was manually tripped to test remote shutdown capability.
85-006	850505	F	17.0	A	3	85-017	SB	ISV	At 17% power, a reactor trip occurred on low departure from nucleate boiling ratio due to inadvertent closure of a main steam isolation valve.

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-Continuation
5-Load Reduction
9-Other

4
IEEE Std. 805-1984
5
IEEE Std. 803A-1983

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REPORT FOR MAY 1985

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TELEPHONE	504-467-8211

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
85-007	850511	F	164.7	A	1	85-018	AB	V	At 65% power, a shut-down was commenced due to reactor coolant system leakage greater than one gallon per minute.
85-008	850518	F	17.3	H	3	85-020	ZZ	ZZZZ	At 25% power, a reactor trip occurred on low steam generator level due to a feedwater pump trip.
85-009	850523	F	22.8	H	3	85-021	ZZ	ZZZZ	At 65% power, a reactor trip occurred on low steam generator level due to a feedwater pump trip.

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<u>No.</u>	<u>Date</u>	<u>Type</u> ¹	<u>Duration</u> <u>(HOURS)</u>	<u>REASON</u> ²	<u>Method of</u> <u>Shutting</u> <u>Down Reactor</u> ³	<u>Licensee</u> <u>Event</u> <u>Report #</u>	<u>System</u> <u>Code</u> ⁴	<u>Component</u> <u>Code</u> ⁵	<u>Cause & Corrective</u> <u>Action to</u> <u>Prevent Recurrence</u>
85-010	850528	S	16.1	B	3	N/A	ZZ	ZZZZ	At 80% power, a reactor trip occurred on low departure from nucleate boiling ratio due to manually tripping the reactor coolant pumps as a part of the loss of reactor coolant flow test.

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IEEE Std. 805-1984
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UNIT SHUTDOWNS AND POWER REDUCTIONS
REPORT FOR MAY 1985

DOCKET NO	50-382
UNIT NAME	WATERFORD 3
DATE	JUNE 1985
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TELEPHONE	504-467-8211

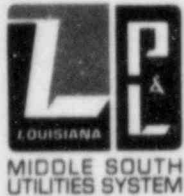
<u>No.</u>	<u>Date</u>	<u>Type</u> ¹	<u>Duration</u> (HOURS)	<u>REASON</u> ²	<u>Method of</u> <u>Shutting</u> <u>Down Reactor</u> ³	<u>Licensee</u> <u>Event</u> <u>Report #</u>	<u>System</u> <u>Code</u> ⁴	<u>Component</u> <u>Code</u> ⁵	<u>Cause & Corrective</u> <u>Action to</u> <u>Prevent Recurrence</u>
85-011	850529	S,F	65.5	B,A	3	N/A	ZZ	ZZZZ	At 20% power, a reactor trip on low reactor coolant flow occurred due to manually tripping the turbine as a part of the loss of offsite power test. The unit was later shut down to remove lead carbonate deposits found in the electrical generator.

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POWER & LIGHT

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June 13, 1985

W3P85-1410
A4.05

Mr. Learned W. Barry
Director and Controller
Office of Resource Management
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Dear Mr. Barry:

Subject: Waterford 3 SES
Docket No. 50-382
License No. NPF-38
MONTHLY OPERATING REPORT

Enclosed is the subject monthly report which covers the operating statistics for the month of May 1985. This report is submitted per Section 6.9.1.6 of the Waterford 3 Technical Specifications for Facility Operating License No. NPF-38.

Very truly yours,

F. J. Drummond
Nuclear Services Manager

FJD:GEW:sms

Enclosure

cc: R.D. Martin, NRC Region IV
NRC, Director, Office of I&E
G.W. Knighton, NRC-NRR
D.M. Crutchfield, NRC-NRR
NRC Resident Inspectors Office
INPO Records Center (J.T. Wheelock)
B.W. Churchill
W.M. Stevenson

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