

NRC MONTHLY OPERATING REPORT
SUMMARY OF OPERATIONS
WATERFORD 3
JULY 1985

During the month, power ascension testing was completed as the unit achieved 100% power. The unit started the month at 64% power during a power ascension. On July 1 at 1844, the unit first achieved 100% power. On July 4 at 0849, at 100% power, a reactor trip occurred on low steam generator water level due to a loss of a feedwater pump resulting from high vibration. During the unit startup, on July 4 at 2117, at 6% power, a reactor trip occurred on low departure from nucleate boiling ratio (DNBR) resulting from an auxiliary axial shape index (ASI) trip generated by the Core Protection Calculators.

On July 5 at 0545, the generator was back on line. On July 5 at 2120, at 60% power, a reactor trip occurred on high steam generator water level while controlling water level in manual. On July 6 at 0630, the generator was back on line. On July 7 at 0112, at 90% power, a reactor trip occurred on low steam generator level due to a loss of a feedwater pump while aligning the condensate polisher system. On July 7 at 1920, the generator was back on line. On July 14 at 0750, at 100% power, a reactor trip occurred due to an auxiliary high pressurizer pressure trip generated by the Core Protection Calculators as a result of a turbine runback due to a fire in the turbine control system. On July 17 at 1250, the generator was back on line. On July 18 at 0358, at 25% power, the turbine was manually tripped and the unit was manually shutdown when turbine vibration was discovered. On July 19 at 2353, the unit entered Mode 5 (cold shutdown). The unit remained in this condition through the end of the month to repair turbine-generator damage.

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SPRING-LOADED PRESSURIZER SAFETY VALVE
FAILURES AND CHALLENGES
WATERFORD 3

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

OPERATING DATA REPORT

UNIT NAME: WATERFORD 3

CITY/STATE: KILLONA/LA

DATE: AUGUST 1985

OPERATING STATUS

1. Docket: 50-382
2. Reporting Period: JULY 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>3241.1</u>	<u>3241.1</u>
13. Number Of Hours Reactor Was Critical	<u>323.1</u>	<u>1474.3</u>	<u>1474.3</u>
14. Reactor Reserve Shutdown Hours	<u>-0-</u>	<u>-0-</u>	<u>-0-</u>
15. Hours Generator On-Line	<u>286.7</u>	<u>1285.2</u>	<u>1285.2</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>846,176</u>	<u>2,510,810</u>	<u>2,510,810</u>
18. Gross Electrical Energy Generated (MWH)	<u>277,220</u>	<u>764,670</u>	<u>764,670</u>
19. Net Electrical Energy Generated (MWH)	<u>262,721</u>	<u>705,198</u>	<u>705,198</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>61.5</u>	<u>59.4</u>	<u>59.4</u>
25. Unit Forced Outage Hours	<u>457.3</u>	<u>1883.4</u>	<u>1883.4</u>

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

N/A

27. If Shut Down At End of Report Period, Estimated Date Of Startup: August 21, 1985

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>8/85</u>	<u> </u>

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-382

UNIT WATERFORD 3

DATE AUGUST 1985

COMPLETED BY GEORGE MILLER

TELEPHONE 504-467-8211

MONTH JULY 1985

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

1	<u>948</u>
2	<u>1081</u>
3	<u>1084</u>
4	<u>374</u>
5	<u>268</u>
6	<u>565</u>
7	<u>100</u>
8	<u>844</u>
9	<u>1034</u>
10	<u>1069</u>
11	<u>1007</u>
12	<u>1049</u>
13	<u>1072</u>
14	<u>350</u>
15	<u>-0-</u>
16	<u>-0-</u>

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

17	<u>70</u>
18	<u>29</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>-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 JULY 1985

DOCKET NO	50-382
UNIT NAME	WATERFORD 3
DATE	AUGUST 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
85-014	850704	F	21.0	A	3	85-031	SJ	TRB	At 100% power, a reactor trip occurred on low steam generator level due to loss of a feedwater pump resulting from high vibration.
85-015	850705	F	9.2	G	3	85-033	SJ	ZZZZ	At 60% power, a reactor trip occurred on high steam generator level while controlling water level.
85-016	850707	F	18.1	G	3	85-034	SF	ZZZZ	At 90% power, a reactor trip occurred on low steam generator level due to loss of a feedwater pump while aligning the condensate polisher system.

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

UNIT SHUTDOWNS AND POWER REDUCTIONS
REPORT FOR JULY 1985

DOCKET NO	50-382
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DATE	AUGUST 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
85-017	850714	F	77.0	A	3	85-035	IT	JX	At 100% power, a reactor trip occurred due to an auxiliary high pressurizer pressure trip from the Core Protection Calculator as a result of a turbine runback due to a fire in the turbine control system.
85-018	850718	F	332.0	A	1	N/A	TA	TRB	At 25% power, the turbine was manually tripped when turbine vibration was discovered. Unit was manually shut down to repair turbine generator damage.

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LOUISIANA
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August 14, 1985

W3P85-1443
A4.05

Mr. Ronald M. Scroggins
Controller and Director
Office of Resource Management
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Dear Mr. Scroggins:

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 July 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,

K.W. Cook
Nuclear Support & Licensing Manager

KWC: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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