



**ENTERGY**

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Waterford 3

W3F1-93-0134  
A4.05  
PR

April 15, 1993

U.S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Washington, D.C. 20555

Subject: Waterford 3 SES  
Docket No. 50-382  
License No. NPF-38  
Monthly Operating Report

Gentlemen:

Attached is the subject monthly report which covers the operating statistics for the month of March, 1993. 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,

R.F. Burski  
Director  
Nuclear Safety

RFB/TSB/ssf  
Attachment

cc: J.L. Milhoan, NRC Region IV  
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NRC Resident Inspectors Office

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NRC MONTHLY OPERATING REPORT

SUMMARY OF OPERATIONS

WATERFORD 3

MARCH 1993

The unit operated at an average reactor power of 94.1% and experienced one (1) shutdown and one (1) significant power reduction during the period.

PRESSURIZER SAFETY VALVE

FAILURES AND CHALLENGES

WATERFORD 3

During the month of March 1993, there were no pressurizer safety valve failures or challenges.

# OPERATING DATA REPORT

DOCKET NAME: 50-382  
UNIT NAME: WATERFORD 3  
DATE OF REPORT: APRIL, 1993  
COMPLETED BY: C. L. ALDAY  
TELEPHONE: 504-739-6732

## OPERATING STATUS

1. Reporting Period: March, 1993  
Gross Hours in Reporting Period: 744
2. Currently Authorized Power Level (MWt): 3390  
Maximum Dependable Capacity (Net MWe): 1075  
Design Electrical Rating (Net MWe): 1104
3. Power Level to which Restricted (if any) (Net MWe): N/A
4. Reasons for Restriction (if any): N/A

	THIS MONTH	YR TO DATE	CUMULATIVE
5. Number of Hours Reactor was Critical	<u>715.0</u>	<u>2,131.0</u>	<u>54,524.0</u>
6. Reactor Reserve Shutdown Hours	<u>-0-</u>	<u>-0-</u>	<u>-0-</u>
7. Hours Generator was On-line	<u>711.3</u>	<u>2,127.3</u>	<u>53,723.5</u>
8. Unit Reserve Shutdown Hours	<u>-0-</u>	<u>-0-</u>	<u>-0-</u>
9. Gross Thermal Energy Generated (MWH)	<u>2,373,995</u>	<u>7,160,078</u>	<u>176,827,131</u>
10. Gross Electrical Energy Generated (MWH)	<u>775,550</u>	<u>2,355,410</u>	<u>59,216,880</u>
11. Net Electrical Energy Generated (MWH)	<u>741,080</u>	<u>2,254,758</u>	<u>56,426,375</u>
12. Reactor Service Factor	<u>96.1</u>	<u>98.7</u>	<u>82.7</u>
13. Reactor Availability Factor	<u>96.1</u>	<u>98.7</u>	<u>82.7</u>
14. Unit Service Factor	<u>95.6</u>	<u>98.5</u>	<u>81.5</u>
15. Unit Availability Factor	<u>95.6</u>	<u>98.5</u>	<u>81.5</u>
16. Unit Capacity Factor (using MDC)	<u>92.7</u>	<u>97.1</u>	<u>79.6</u>
17. Unit Capacity Factor (Using DER)	<u>90.2</u>	<u>94.6</u>	<u>77.6</u>
18. Unit Forced Outage Rate	<u>4.4</u>	<u>1.5</u>	<u>3.8</u>

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OPERATING DATA REPORT (Con't)

19. Shutdowns Scheduled over next 6 Months (type, date and duration of each):  
N/A

20. If Shutdown at end of report period, estimated date of startup: N/A

21. Unit in Commercial Operation

	THIS MONTH	YR TO DATE	CUMULATIVE
22. Hours in Reporting Period	<u>744.0</u>	<u>2,160.0</u>	<u>65,905.0</u>
23. Unit Forced Outage Hours	<u>32.7</u>	<u>32.7</u>	<u>2,143.4</u>

24. Nameplate Rating (Gross MWe): 1200

25. If Changes Occur in Capacity Ratings (Items Number 2 and 24) Since Last Report, Give Reasons: N/A

# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NAME: 50-382  
UNIT NAME: WATERFORD 3  
DATE OF REPORT: APRIL, 1993  
COMPLETED BY: C. L. ALDAY  
TELEPHONE: 504-739-6732

MONTH MARCH

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	1060	17	1062
2	1058	18	1062
3	1045	19	1061
4	798	20	1062
5	-44	21	1061
6	463	22	1060
7	1045	23	1061
8	1050	24	1061
9	1057	25	1059
10	1062	26	1059
11	1063	27	1060
12	1063	28	1060
13	1064	29	1060
14	1061	30	1059
15	1065	31	1061
16	1063		

## 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

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 DATE OF REPORT: APRIL, 1993  
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 TELEPHONE: 504-739-6732

REPORT FOR MARCH, 1993

<u>Number</u>	<u>Date</u>	Type F = Forced S = Scheduled	Duration (Hours)	Reason (1) G	Method of Shutting Down the Reactor or Reducing Power (2) 5	Cause, Comments and Corrective Actions
93-01	930303	F	0.0	G	5	Root Cause: Main Feedwater Pump B tripped, resulting in a Reactor Power Cutback actuation. Contributing Cause: Communication breakdown between Operations and Maintenance allowed Maintenance to work on the Feed Heater Drain Pump level controller instead of Drain Collect Tank level controller, causing an inadvertent trip of Heater Drain Pumps, resulting in reduction of Main Feedwater pump suction pressure.
93-02	930304	F	32.7	A	3	Root Cause: Coincidental failure of the uninterruptable supply for Safety Instrument Channel C and Plant Protection System Power Supply #8. Neither single failure would have caused the Reactor Trip.

## (1) REASON

A = Equipment Failure (explain)  
 B = Maintenance or Test  
 C = Refueling  
 D = Regulatory Restriction  
 E = Operator Training and  
 License Examination  
 F = Administrative  
 G = Operational Error (explain)  
 H = Other (explain)

## (2) METHOD

1 = Manual  
 2 = Manual Scram  
 3 = Automatic Scram  
 4 = Continuation from Previous Period  
 5 = Power Reduction  
 6 = Other (explain)