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Waterford 3

W3F1-96-0218  
A4.05  
PR

December 13, 1996

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 November, 1996. 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,

J.J. Fisicaro  
Director  
Nuclear Safety

JJF/DFL/ssf  
Attachment

cc: L.J. Callan, NRC Region IV  
C.P. Patel, NRC-NRR  
R.B. McGehee  
N.S. Reynolds  
F. Yost (Utility Data Institute, Inc.)  
J.T. Wheelock (INPO Records Center)  
NRC Resident Inspectors Office

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**NRC MONTHLY OPERATING REPORT  
SUMMARY OF OPERATIONS  
WATERFORD 3  
for November, 1996**

The unit experienced no shutdowns and one (1) significant power reduction during the reporting period resulting in an average power level of 95.4%.

**PRESSURIZER SAFETY VALVE  
FAILURES AND CHALLENGES  
WATERFORD 3  
for November, 1996**

There were no pressurizer safety valve failures or challenges experienced during the month

# OPERATING DATA REPORT

DOCKET NUMBER : 50-382  
 UNIT NAME : WATERFORD 3  
 DATE OF REPORT : December 9, 1996  
 COMPLETED BY : D. S. Freeman  
 TELEPHONE : (504) 464-3352

## OPERATING STATUS

1. Reporting Period : November, 1996  
 Gross Hours in Reporting Period : 720  
 2. Currently Authorized Power Level (MWt) : 3,390  
 Maximum Dependable Capacity (Net MWe) : 1,075  
 Design Electrical Rating (Net MWe) : 1,104  
 3. Power Level to which Restricted (if any) (Net MWe) : N/A  
 4. Reason for Restriction (if any) : N/A

	<u>THIS MONTH</u>	<u>YEAR TO DATE</u>	<u>CUMULATIVE</u>
5. Number of Hours Reactor was Critical	<u>720.0</u>	<u>7,527.5</u>	<u>83,560.1</u>
6. Reactor Reserve Shutdown Hours	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>
7. Hours Generator was On-line	<u>720.0</u>	<u>7,494.3</u>	<u>82,580.4</u>
8. Unit Reserve Shutdown Hours	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>
9. Gross Thermal Energy Generated (MWH)	<u>2,328,211</u>	<u>25,241,999</u>	<u>273,938,439</u>
10. Gross Electrical Energy Generated (MWH)	<u>783,630</u>	<u>8,493,520</u>	<u>91,351,890</u>
11. Net Electrical Energy Generated (MWH)	<u>750,570</u>	<u>8,126,789</u>	<u>87,132,604</u>
12. Reactor Service Factor	<u>100.0</u>	<u>93.6</u>	<u>65.2</u>
13. Reactor Availability Factor	<u>100.0</u>	<u>93.6</u>	<u>85.2</u>
14. Unit Service Factor	<u>100.0</u>	<u>93.2</u>	<u>84.2</u>
15. Unit Availability Factor	<u>100.0</u>	<u>93.2</u>	<u>84.2</u>
16. Unit Capacity Factor (using MDC)	<u>97.0</u>	<u>94.0</u>	<u>82.7</u>
17. Unit Capacity Factor (using DER)	<u>94.4</u>	<u>91.6</u>	<u>80.5</u>
18. Unit Forced Outage Rate	<u>0.0</u>	<u>6.8</u>	<u>3.8</u>

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### OPERATING STATUS (Cont.)

19. Shutdowns Scheduled over next 6 months (type, date and duration of each) :

**REFUEL - April 11, 1997 - 34 days**

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

**N/A**

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21. Unit is in Commercial Operation.

	<u>THIS MONTH</u>	<u>YEAR TO DATE</u>	<u>CUMULATIVE</u>
22. Hours in Reporting Period	<u>720</u>	<u>8,040</u>	<u>98,065</u>
23. Unit Forced Outage Hours	<u>0.0</u>	<u>545.7</u>	<u>3,218.9</u>
24. Nameplate Rating (Gross MWe) :	<u>1,200</u>		
Max. Dependable Capacity (Gross MWe) :	<u>1,120</u>		

25. If changes occur in capacity ratings (Items 2 and 24) since the last report, give the reasons :

**N/A**

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## AVERAGE DAILY UNIT POWER LEVEL

DOCKET NUMBER : 50-382  
UNIT NAME : WATERFORD 3  
DATE OF REPORT : December 9, 1996  
COMPLETED BY : D. S. Freeman  
TELEPHONE : (504) 464-3352

Reporting Period : November, 1996

( NET MWe )

<u>DAY</u>	<u>Avg. Power Level</u>	<u>DAY</u>	<u>Avg. Power Level</u>
1	1,089	16	1,091
2	1,089	17	1,091
3	1,089	18	1,091
4	1,089	19	1,090
5	1,089	20	1,090
6	1,086	21	720
7	1,087	22	654
8	1,090	23	656
9	1,090	24	811
10	1,090	25	1,096
11	1,091	26	1,107
12	1,091	27	1,109
13	1,091	28	1,109
14	1,090	29	1,109
15	1,090	30	1,110

### INSTRUCTIONS :

On this form, 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

DOCKET NUMBER : 50-382  
 UNIT NAME : WATERFORD 3  
 DATE OF REPORT : December 9, 1996  
 COMPLETED BY : D. S. Freeman  
 TELEPHONE : (504) 464-3352

REPORTING PERIOD : November, 1996

Number	Date (yymmdd)	* Type	Duration (Hours)	** Reason	*** Shutdown Method	Cause, Comments and Corrective Actions
96-03	961121	F	96.1	A	5	Power level was reduced to 60% to take the 'B' SGFP (Steam Generator Feed Pump) out of service due to bearing temperatures trending high. Bearing damage occurred while shutting down pump. Sludge build-up in the lube oil lines and on bearing were inhibiting bearing lubrication. Lines were cleaned, sludge removed, and bearings were changed out. Refer to CR-96-1825 for additional details.

## TYPE

- F - Forced
- S - Scheduled

## 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)

## METHOD

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