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Waterford 3

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A4.05  
PR

October 14, 1998

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 September, 1998. This report is submitted per Section 6.9.1.6 of the Waterford 3 Technical Specifications for Facility Operating License No. NPF-38.

Should you have any questions regarding the above, please contact me at (504) 739-6242 or C.C. Hayes at (504) 739-6662.

Very truly yours,

E.C. Ewing  
Director  
Nuclear Safety & Regulatory Affairs

ECE/ALL/ssf  
Attachment

cc: E.W. Merschoff (NRC Region IV), C.P. Patel (NRC-NRR),  
J. Smith, N.S. Reynolds, B. Lewis (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 September, 1998**

For the month of September, the unit was shutdown on 2 separate occasions and operated for several days at a reduced power level. This resulted in an average reactor power level of 42.2% for the month.

**PRESSURIZER SAFETY VALVE  
FAILURES AND CHALLENGES  
WATERFORD 3  
for September, 1998**

There were no pressurizer safety valve failures or challenges experienced during the month. However a conservative decision was made to shut-down the plant to replace the valves due to leak rate projections.

# OPERATING DATA REPORT

DOCKET NUMBER : 50-382  
 UNIT NAME : WATERFORD 3  
 DATE OF REPORT : October 12, 1998  
 COMPLETED BY : D. S. Freeman  
 TELEPHONE : (504) 739-6575

## OPERATING STATUS

- |   |   |                        |
|---|---|------------------------|
| 1. Reporting Period                                   | : | <u>September, 1998</u> |
| Gross Hours in Reporting Period                       | : | <u>720</u>             |
| 2. Currently Authorized Power Level (MWt)             | : | <u>3,390</u>           |
| Maximum Dependable Capacity (Net MWe)                 | : | <u>1,075</u>           |
| Design Electrical Rating (Net MWe)                    | : | <u>1,104</u>           |
| 3. Power Level to which Restricted (if any) (Net MWe) | : | <u>N/A</u>             |
| 4. Reason for Restriction (if any)                    | : | <u>N/A</u>             |

	<u>THIS MONTH</u>	<u>YEAR TO DATE</u>	<u>CUMULATIVE</u>
5. Number of Hours Reactor was Critical	<u>406.2</u>	<u>6,197.0</u>	<u>96,739.7</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>357.6</u>	<u>6,136.7</u>	<u>95,622.5</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>1,029,804</u>	<u>20,526,366</u>	<u>317,507,977</u>
10. Gross Electrical Energy Generated (MWH)	<u>324,327</u>	<u>6,941,232</u>	<u>106,161,270</u>
11. Net Electrical Energy Generated (MWH)	<u>295,959</u>	<u>6,636,586</u>	<u>101,289,923</u>
12. Reactor Service Factor	<u>56.4</u>	<u>94.6</u>	<u>84.8</u>
13. Reactor Availability Factor	<u>56.4</u>	<u>94.6</u>	<u>84.8</u>
14. Unit Service Factor	<u>49</u>	<u>93.7</u>	<u>83.8</u>
15. Unit Availability Factor	<u>49.7</u>	<u>93.7</u>	<u>83.8</u>
16. Unit Capacity Factor (using MDC)	<u>38.2</u>	<u>94.2</u>	<u>82.6</u>
17. Unit Capacity Factor (using DER)	<u>37.2</u>	<u>91.8</u>	<u>80.4</u>
18. Unit Forced Outage Rate	<u>46.8</u>	<u>5.6</u>	<u>3.6</u>

# OPERATING DATA REPORT

DOCKET NUMBER : 50-382  
UNIT NAME : WATERFORD 3  
DATE OF REPORT : October 12, 1998  
COMPLETED BY : D. S. Freeman  
TELEPHONE : (504) 739-6575

## OPERATING STATUS (Cont.)

19. Shutdowns Scheduled over next 6 months (type, date and duration of each) :  
REFUEL OUTAGE #9 - commencing on February 5, 1999 - 40 day outage
- 

20. If Shutdown at end of report period, estimated date of startup : 10/1/98

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>6,551</u>	<u>114,120</u>
23. Unit Forced Outage Hours	<u>314.8</u>	<u>366.7</u>	<u>3,585.7</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 : F0-382  
UNIT NAME : WATERFORD 3  
DATE OF REPORT : October 12, 1998  
COMPLETED BY : D. S. Freeman  
TELEPHONE : (504) 739-6575

Reporting Period : September, 1998

( NET MWe )

<u>DAY</u>	<u>Avg. Power Level</u>	<u>DAY</u>	<u>Avg. Power Level</u>
1	1,086	16	542
2	1,087	17	468
3	1,087	18	(30)
4	1,087	19	(22)
5	1,088	20	(17)
6	1,088	21	(17)
7	1,089	22	(18)
8	1,088	23	(21)
9	1,070	24	(30)
10	5	25	(43)
11	(42)	26	(44)
12	350	27	(38)
13	537	28	(30)
14	541	29	(30)
15	540	30	(39)

## 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 : October 12, 1998  
 COMPLETED BY : D. S. Freeman  
 TELEPHONE : (504) 739-6575

REPORTING PERIOD : September, 1998

Number	Date (yymmdd)	* Type	Outage	** Reason	***	Cause, Comments and Corrective Actions
			Duration (Hours)		Shutdown Method	
98-04	980910	S	47.6	A	1	Anomalies were discovered in the oil of Main Transformer B, predicating future failure of the transformer. A controlled shutdown of the unit was performed to disconnect the transformer. The plant then operated at a reduced power level with the remaining Main Transformer while the damaged one was swapped out with a spare. (see CR-98-1179)
98-05	980917	F	314.8	A	1	Elevated levels of leakage were being experienced from the Pressurizer Code Safety Valves. The unit was conservatively shut down due to leak-rate projections. Both Safety Valves were replaced. (see CR-98-1195) Return to power was delayed by 4½ days due to the threat by Hurricane Georges and requirements to receive NRC and FEMA approval for post-hurricane restart.

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*	**
<u>TYPE</u>	<u>REASON</u>
F - Forced	A - Equipment Failure (explain)
S - Scheduled	B - Maintenance or Test
	C - Refueling
	D - Regulatory Restriction
	E - Operator Training and License Examination
***	
<u>METHOD</u>	
1 - Manual	F - Administrative
2 - Manual Scram	G - Operational Error (explain)
3 - Automatic Scram	H - Other (explain)
4 - Continuation from Previous Period	
5 - Power Reduction	
6 - Other (explain)	