



Entergy Operations, Inc.  
17265 River Road  
Killona, LA 70066  
Tel 504 739 6650

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PR

March 12, 2003

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 report which covers the operating statistics for the month of February, 2003. This report is submitted per Section 6.9.1.6 of the Waterford 3 Technical Specifications for Facility Operating License No. NPF-38.

There are no commitments associated with this submittal. Should you have any questions regarding the above, please contact T.M. Manzella at (504) 739-6882.

Very truly yours,

A handwritten signature in black ink, appearing to read "J.A. Ridgel".

J.A. Ridgel  
Acting Licensing Manager

JAR/TMM/ssf  
Attachment

cc: E.W. Merschoff (NRC Region IV), N. Kalyanam (NRC-NRR),  
J. Smith, N.S. Reynolds, B. Lewis (Utility Data Institute, Inc.),  
lerevents@inpo.org - INPO Records Center, NRC Resident  
Inspectors Office

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# **NRC MONTHLY OPERATING REPORT**

## **WATERFORD 3**

### **for February, 2003**

#### **SUMMARY OF OPERATIONS**

The unit operated at an average reactor power level of 85.3% during the period. The plant experienced a forced outage when an automatic turbine trip and reactor power cutback occurred on February 14, 2003. The Reactor was subsequently shutdown by normal operating procedures on February 15, 2003. The plant was returned to power and was connected to the grid on February 18, 2003.

#### **PRESSURIZER SAFETY VALVE FAILURES AND CHALLENGES**

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 : March 10, 2003  
 COMPLETED BY : Bruce Meyers  
 TELEPHONE : (504) 739-6426

## OPERATING STATUS

- |   |   |                       |
|---|---|-----------------------|
| 1. Reporting Period                                   | : | <u>February, 2003</u> |
| Gross Hours in Reporting Period                       | : | <u>672</u>            |
| 2. Currently Authorized Power Level (MWt)             | : | <u>3,441</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>627.1</u>	<u>1,371.1</u>	<u>131,620.3</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>574.3</u>	<u>1,318.3</u>	<u>130,280.8</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>1,972,402</u>	<u>4,528,934</u>	<u>434,262,886</u>
10. Gross Electrical Energy Generated (MWH)	<u>652,825</u>	<u>1,511,231</u>	<u>145,541,342</u>
11. Net Electrical Energy Generated (MWH)	<u>626,457</u>	<u>1,450,666</u>	<u>139,030,900</u>
12. Reactor Service Factor	<u>93.3</u>	<u>96.8</u>	<u>86.1</u>
13. Reactor Availability Factor	<u>93.3</u>	<u>96.8</u>	<u>86.1</u>
14. Unit Service Factor	<u>85.5</u>	<u>93.1</u>	<u>85.3</u>
15. Unit Availability Factor	<u>85.5</u>	<u>93.1</u>	<u>85.3</u>
16. Unit Capacity Factor (using MDC)	<u>86.7</u>	<u>95.3</u>	<u>84.6</u>
17. Unit Capacity Factor (using DER)	<u>84.4</u>	<u>92.8</u>	<u>82.4</u>
18. Unit Forced Outage Rate	<u>14.5</u>	<u>6.9</u>	<u>3.7</u>

# OPERATING DATA REPORT

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UNIT NAME : WATERFORD 3  
DATE OF REPORT : March 10, 2003  
COMPLETED BY : Bruce Meyers  
TELEPHONE : (504) 739-6426

## OPERATING STATUS (Cont.)

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

NONE

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

N/A

21. Unit is in Commercial Operation.

	<u>THIS MONTH</u>	<u>YEAR TO DATE</u>	<u>CUMULATIVE</u>
22. Hours in Reporting Period	<u>672</u>	<u>1,416</u>	<u>152,809</u>
23. Unit Forced Outage Hours	<u>97.7</u>	<u>97.7</u>	<u>4,995.6</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 : March 10, 2003  
 COMPLETED BY : Bruce Meyers  
 TELEPHONE : (504) 739-6426

Reporting Period : February, 2003

( NET MWe )

<u>DAY</u>	<u>Avg. Power Level</u>	<u>DAY</u>	<u>Avg. Power Level</u>
1	<u>1,109</u>	16	<u>0</u>
2	<u>1,110</u>	17	<u>0</u>
3	<u>1,111</u>	18	<u>243</u>
4	<u>1,109</u>	19	<u>1,038</u>
5	<u>1,109</u>	20	<u>1,098</u>
6	<u>1,109</u>	21	<u>1,106</u>
7	<u>1,108</u>	22	<u>1,110</u>
8	<u>1,110</u>	23	<u>1,109</u>
9	<u>1,110</u>	24	<u>1,107</u>
10	<u>1,108</u>	25	<u>1,086</u>
11	<u>1,106</u>	26	<u>1,104</u>
12	<u>1,107</u>	27	<u>1,107</u>
13	<u>1,109</u>	28	<u>1,105</u>
14	<u>474</u>		
15	<u>0</u>		

**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. Reflects On-Line Net Generation.

# UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NUMBER : 50-382  
 UNIT NAME : WATERFORD 3  
 DATE OF REPORT : March 10, 2003  
 COMPLETED BY : Bruce Meyers  
 TELEPHONE : (504) 739-6426

REPORTING PERIOD : February, 2003

Number	Date (yymmdd)	* Type	Outage Duration (Hours)	** Reason	*** Shutdown Method	Cause, Comments and Corrective Actions
03-01	030214	F	97.7	A	6	<p>A main turbine trip occurred on low generator seal oil differential pressure when the air side seal oil pump was de-energized. Valves in the seal oil system did not operate as designed and failed to adequately control oil pressure. A reactor power cutback occurred and the reactor remained critical. Subsequently, the reactor was shut down using normal operating procedures.</p>

\*  
**TYPE**

- F - Forced
- S - Scheduled

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**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)

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**METHOD**

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