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W3P90-0290
A4.05
QA

April 16, 1990

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:

Enclosed is the subject monthly report which covers the operating statistics for the month of March, 1990. 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

RFB/LWL/ssf
Enclosure

cc: Messrs. R.D. Martin, NRC Region IV
F.J. Hebdon, NRC-NRR
D.L. Wigginton, NRC-NRR
E.L. Blake
W.M. Stevenson
J.T. Wheelock (INPO Records Center)
NRC Resident Inspectors Office

IE24
1/1

NRC MONTHLY OPERATING REPORT

SUMMARY OF OPERATIONS

WATERFORD 3

MARCH 1990

The unit operated at an average reactor power of 90.1% and experienced two (2) forced shutdowns during the period.

PRESSURIZER SAFETY VALVE
FAILURES AND CHALLENGES
WATERFORD 3

During the month of March 1990, there were no pressurizer safety valve failures or challenges.

OPERATING DATA REPORT

UNIT NAME: WATERFORD 3
CITY/STATE: KILLONA/LA
DATE: APRIL 1990

OPERATING STATUS

1. Docket: 50-382
2. Reporting Period: MARCH 1990
3. Utility Contact: PATRICK CENTOLANZI
   Phone Number: (504) 464-3360
4. Licensed Thermal Power (MWt): 3390
5. Nameplate Rating (Gross Mwe): 1200
6. Design Electrical Rating (Net MWe): 1104
7. Maximum Dependable Capacity (Gross MWe): 1120
8. Maximum Dependable Capacity (Net MWe): 1075
9. If Changes Occur in Capacity Ratings (Items Number 4 Through 8) Since Last Report, Give Reasons:
10. Power Level To Which Restricted, if Any (Net MWe): NONE
11. Reasons For Restrictions, If Any: N/A

Notes

		This Month	Yr.-to-Date	Cumulative
12.	Hours In Reporting Period	744.0	2,160.0	39,601.0
13.	Number Of Hours Reactor Was Critical	695.1	1,796.9	31,758.6
14.	Reactor Reserve Shutdown Hours	-0-	-0-	-0-
15	Hours Generator On-Line	686.0	1,773.2	31,199.9
16.	Unit Reserve Shutdown Hours	-0-	-0-	-0-

OPERATING DATA REPORT
(Continued)

		This Month	Yr.-to-Date	Cumulative
17.	Gross Thermal Energy Generated (MWH)	2,271,449	5,670,564	101,377,089
18.	Gross Electrical Energy Generated (MWH)	767,120	1,908,950	34,149,150
19.	Net Electrical Energy Generated (MWH)	733,589	1,817,217	32,487,505
20.	Unit Service Factor	92.2	82.1	78.8
21.	Unit Availability Factor	92.2	82.1	78.8
22.	Unit Capacity Factor (Using MDC Net)	91.7	78.3	76.3
23.	Unit Capacity Factor (Using DER Net)	89.3	76.2	74.3
24.	Unit Forced Outage Rate	7.8	3.2	5.4
25.	Unit Forced Outage Hours	58.0	58.0	1793.4

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

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

28. Units In Test Status (Prior to Commercial Operation):

	Forecast	Achieved
INITIAL CRITICALITY	_____	3/4/85
INITIAL ELECTRICITY	_____	3/18/85
COMMERCIAL OPERATION	_____	9/24/85

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-382
UNIT WATERFORD 3
DATE APRIL 1990
COMPLETED BY PATRICK CENTOLANZI
TELEPHONE 504-464-3360

MONTH MARCH 1990

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	1102	17	1071
2	1101	18	1101
3	1101	19	1102
4	1102	20	1099
5	1100	21	1101
6	1102	22	983
7	1101	23	-43
8	1101	24	304
9	1102	25	899
10	1101	26	1095
11	1102	27	1099
12	1102	28	1097
13	1101	29	315
14	1100	30	650
15	1099	31	1099
16	1080		

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 MARCH 1990

DOCKET NO	50-382
UNIT NAME	WATERFORD 3
DATE	APRIL 1990
COMPLETED BY	PATRICK CENTOLANZI
TELEPHONE	504-464-3360

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
90-04	900322	F	35.0	A	3	90-002	AA	CBD	Root Cause: Fault in Control Element Assembly (CEA) Control System caused two (2) CEAs to drop into the core. Reactor tripped due to high CEA calculator penalty factor.
90-05	900329	F	22.8	A	3	90-003	FK	SWGR	Root Cause: Fault on Electrical Distribution grid caused a reduction in running frequency, which resulted in a Reactor Coolant Pump slow down. Reactor tripped on low Departure from Nucleate Boiling Ratio due to reduced core flow.

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

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