VIRGINIA ELECTRIC AND POWER COMPANY

NORTH ANNA POWER STATION

MONTHLY OPERATING REPORT

MONTH JULY YEAR 1984

APPROVED:

STATION MANAGER

for

OPERATING DATA REPORT

DOCKET NO. 50-338
DATE 08-05-84
COMPLETED BY Joan N. Lee
TELEPHONE (703) 894-5151 X2527

OPERATING STATUS

1. Unit Name: North Anna 1
2. Reporting Period: July, 1984
3. Licensed Thermal Power (MWt): 2775
4. Nameplate Rating (Gross MWe): 947
5. Design Electrical Rating (Net MWe): 907
6. Maximum Dependable Capacity (Gross MWe): 937
7. Maximum Dependable Capacity (Net MWe): 890
8. If Changes Occur in Capacity Ratings (Items No. 3 thru 7) Since Last Report, Give Reasons:

N/A

9. Power Level To Which Restricted, If Any (Net MWe): N/A
10. Reasons For Restrictions, If Any: N/A

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	744	5,111	53,552
12. Number of Hours Reactor Was Critical	0	2,467.6	36,054.1
13. Reactor Reserve Shutdown Hours	0	7.1	3,028.6
14. Hours Generator On-Line	0	2,443.9	35,105.5
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	0	6,596,736	91,648,509
17. Gross Electrical Energy Generated (MWH)	0	2,238,267	29,622,454
18. Net Electrical Energy Generated (MWH)	0	2,126,605	27,957,779
19. Unit Service Factor	0	47.8	65.5
20. Unit Availability Factor	0	47.8	65.5
21. Unit Capacity Factor (Using MDC Net)	0	46.7	58.6
22. Unit Capacity Factor (Using DER Net)	0	45.9	57.5
23. Unit Forced Outage Rate	0	23.0	11.8

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

Unit 1 Scheduled Fall Maintenance, 11-23-84, Scheduled 10 days.

25. If Shut Down At End Of Report Period, Estimated Date of Startup: August 17, 1984
26. Units In Test Status (Prior to Commercial Operation):

	Forecast	Achieved
INITIAL CRITICALITY		
INITIAL ELECTRICITY		
COMMERCIAL OPERATION		

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH July, 1984

DOCKET NO. 50-338
UNIT NAME North Anna 1
DATE 08-05-84
COMPLETED BY Joan Lee
TELEPHONE (703) 894-5151 X2527

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
84-14	840511	S	744	C	1	NA	NA	NA	Refueling outage continued through the month.

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-Continuations
5-Load Reduction
9-Other

4
Exhibit F - Instructions for Preparation of Data Entry Sheets for Licensee Event Report (LER) File (NUREG-0161)

5
Exhibit H - Same Source

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-338

UNIT NA-1

DATE 08-03-84

COMPLETED BY Joan N. Lee

TELEPHONE 703-894-5151X2527

MONTH July, 1984

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	0	17	0
2	0	18	0
3	0	19	0
4	0	20	0
5	0	21	0
6	0	22	0
7	0	23	0
8	0	24	0
9	0	25	0
10	0	26	0
11	0	27	0
12	0	28	0
13	0	29	0
14	0	30	0
15	0	31	0
16	0		

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 SHUTDOWN AND POWER REDUCTIONS

EXPLANATION SHEET DOCKET NO. 50-338

REPORT MONTH July UNIT NAME NA-1

YEAR 1984 DATE 08-03-84

COMPLETED BY Joan Lee

No entries this month.

VIRGINIA ELECTRIC AND POWER COMPANY
NORTH ANNA POWER STATION

UNIT NO. 1

MONTH July

SUMMARY OF OPERATING EXPERIENCE

Listed below in chronological sequence is a summary of operating experiences for this month which required load reductions or resulted in significant non-load related incidents.

DATE	TIME	DATA
July 1, 1984	0000	Began this month with Unit in Mode 6 - Continuation of Scheduled Refueling Outage.
July 31, 1984	2400	Ended this month with Unit 1 in Mode 5. Unit scheduled to return on-line Aug. 17, 1984.

OPERATING DATA REPORT

DOCKET NO. 50-339
DATE 08-05-84
COMPLETED BY Joan N. Lee
TELEPHONE (703) 894-5151 X2527

OPERATING STATUS

Notes:

1. Unit Name: North Anna 2
2. Reporting Period: July, 1984
3. Licensed Thermal Power (MWt): 2775
4. Nameplate Rating (Gross MWe): 947
5. Design Electrical Rating (Net MWe): 907
6. Maximum Dependable Capacity (Gross MWe): 939
7. Maximum Dependable Capacity (Net MWe): 890
8. If Changes Occur in Capacity Ratings (Items No. 3 thru 7) Since Last Report, Give Reasons:

N/A

9. Power Level To Which Restricted, If Any (Net MWe): N/A
10. Reasons For Restrictions, If Any: N/A

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	744	5,111	31,823
12. Number of Hours Reactor Was Critical	744	4,774	24,420.9
13. Reactor Reserve Shutdown Hours	0	14.6	3,794.6
14. Hours Generator On-Line	744	4665.2	24,172.3
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	1,778,681	12,092,978	62,509,019
17. Gross Electrical Energy Generated (MWH)	591,402	3,986,170	20,700,537
18. Net Electrical Energy Generated (MWH)	556,397	3,774,231	19,626,313
19. Unit Service Factor	100.0	91.3	75.9
20. Unit Availability Factor	100.0	91.3	75.9
21. Unit Capacity Factor (Using MDC Net)	84.0	83.0	69.3
22. Unit Capacity Factor (Using DER Net)	82.5	81.4	68.0
23. Unit Forced Outage Rate	0	3.1	13.2

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

Unit 2 Refueling Outage Scheduled 08-29-84, 52 days.

25. If Shut Down At End Of Report Period, Estimated Date of Startup: _____
26. Units In Test Status (Prior to Commercial Operation):

	Forecast	Achieved
INITIAL CRITICALITY		
INITIAL ELECTRICITY		
COMMERCIAL OPERATION		

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH July

DOCKET NO. 50-339
UNIT NAME North Anna 2
DATE 08-05-84
COMPLETED BY Joan Lee
TELEPHONE (703) 894-5151 X2527

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
84-33	840714	S		B/F	9	NA	NA	NA	Ramped down for Turbine Valve Freedom test. Test complete and unit at 860 MW - 90% power. Continuing ramp-down to 75% power to allow Unit 2 to operate during summer peak for fuel conservation until Unit 1 is returned on-line.

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
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3-Automatic Scram
4-Continuations
5-Load Reduction
9-Other

4
Exhibit F - Instructions for Preparation of Data Entry Sheets for Licensee Event Report (LER) File (NUREG-0161)

5
Exhibit H - Same Source

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-339

UNIT NA-2

DATE 08-03-84

COMPLETED BY Joan N. Lee

TELEPHONE 703-894-5151X2527

MONTH July

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	868	17	656
2	859	18	654
3	855	19	654
4	860	20	652
5	860	21	652
6	862	22	652
7	868	23	656
8	871	24	656
9	869	25	657
10	867	26	661
11	867	27	654
12	867	28	652
13	868	29	655
14	718	30	654
15	657	31	744
16	657		

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 SHUTDOWN AND POWER REDUCTIONS

EXPLANATION SHEET DOCKET NO. 50-339

REPORT MONTH July UNIT NAME NA-2

YEAR 1984 DATE 08-05-84

COMPLETED BY Joan Lee

84-33	(1)	On July 14, 1984 at 0115, when Turbine Valve Freedom test was completed, Unit 2 continued ramping down to 75% power. The power reduction was necessary to allow Unit 2 to operate during summer peak for fuel conservation, until Unit 1 is returned on-line. The expected date for Unit 1 to return on line is August 17, 1984. Unit 2 power was increased to 100% on July 31, 1984. Ended the month of July with Unit 2 at 100% power.

VIRGINIA ELECTRIC AND POWER COMPANY
NORTH ANNA POWER STATION

UNIT NO. 2

MONTH July

SUMMARY OF OPERATING EXPERIENCE

Listed below in chronological sequence is a summary of operating experiences for this month which required load reductions or resulted in significant non-load related incidents.

DATE	TIME	DATA
July 1, 1984	0000	Began this month with Unit at 100% power.
July 14, 1984	0020	Commenced rampdown to 860 MW for Turbine Valve Freedom test.
	0040	Unit at 860 MW - 90% power.
	0115	Turbine Valve Freedon test complete. Commenced power reduction to 75% to allow Unit 2 to operate during summer peak until Unit 1 is on line. Unit 2 scheduled refueling outage is August 29, 1984.
July 31, 1984	0950	Commenced rampup to 100% at 3% per hour.
	2400	Ended this month with Unit at 100%.