

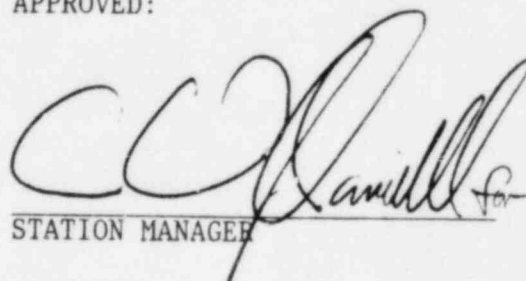
VIRGINIA ELECTRIC AND POWER COMPANY

NORTH ANNA POWER STATION

MONTHLY OPERATING REPORT

MONTH October YEAR 1982

APPROVED:

  
STATION MANAGER

8212290318 821110  
PDR ADOCK 05000338  
R PDR

# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-338

UNIT NA-1

DATE 11-01-82

COMPLETED BY G. Schmitendorf

TELEPHONE 703-894-5151X2502

MONTH October

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

## 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.

# OPERATING DATA REPORT

DOCKET NO. 50-338  
DATE 11-01-82  
COMPLETED BY G. D. Schmitendorf  
TELEPHONE (703) 894-5151 X2502

## OPERATING STATUS

Notes

1. Unit Name: North Anna 1
2. Reporting Period: October 1982
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): 918
7. Maximum Dependable Capacity (Net MWe): 865
8. If Changes Occur in Capacity Ratings (Items No. 3 thru 7) Since Last Report, Give Reasons:

NA

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	745	7,296	38,617
12. Number of Hours Reactor Was Critical	0	3,129.9	26,958.2
13. Reactor Reserve Shutdown Hours	0	21.5	256.4
14. Hours Generator On-Line	0	3,022.9	26,375.9
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	0	7,941,328	68,255,580
17. Gross Electrical Energy Generated (MWH)	0	2,537,888	21,783,410
18. Net Electrical Energy Generated (MWH)	0	2,396,973	20,519,889
19. Unit Service Factor	0	41.4	68.3
20. Unit Availability Factor	0	41.4	68.3
21. Unit Capacity Factor (Using MDC Net)	0	38.0	61.4
22. Unit Capacity Factor (Using DER Net)	0	36.2	58.6
23. Unit Forced Outage Rate	0	7.3	5.1
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):			

25. If Shut Down At End Of Report Period, Estimated Date of Startup: 11-18-82
26. Units In Test Status (Prior to Commercial Operation):

Forecast

Achieved

INITIAL CRITICALITY  
INITIAL ELECTRICITY  
COMMERCIAL OPERATION

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## UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-338

UNIT NAME North Anna 1

DATE 11-01-82

COMPLETED BY G. D. Schmitendorf

TELEPHONE (703) 894-5151 X2502

REPORT MONTH October

No.	Date	Type <sup>1</sup>	Duration (Hours)	Reason <sup>2</sup>	Method of Shutting Down Reactor <sup>3</sup>	Licensee Event Report #	System Code <sup>4</sup>	Component Code <sup>5</sup>	Cause & Corrective Action to Prevent Recurrence
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82-10		S	745	The scheduled refueling outage continues.					
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1	2	3	4
F: Forced	Reason:	Method:	Exhibit F - Instructions
S: Scheduled	A-Equipment Failure (Explain)	1-Manual	for Preparation of Data
	B-Maintenance or Test	2-Manual Scram.	Entry Sheets for Licensee
	C-Refueling	3-Automatic Scram	Event Report (LER) File
	D-Regulatory Restriction	4-Continuations	(NUREG-0161)
	E-Operator Training & License Examination	5-Load Reduction	
	F-Administrative	9-Other	
	G-Operational Error (Explain)		5
	H-Other (Explain)		Exhibit H - Same Source

Page 1 of 1

UNIT SHUTDOWN AND POWER REDUCTIONS

EXPLANATION SHEET      DOCKET NO. 50-338

REPORT MONTH October      UNIT NAME NA-1

YEAR 1982      DATE 11-01-82

COMPLETED BY G. D. Schmitendorf

NO ENTRIES THIS MONTH

# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-339

UNIT NA-2

DATE 11-01-82

COMPLETED BY G. Schmitendorf

TELEPHONE 703-894-5151X2502

MONTH October

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>871</u>	17	<u>876</u>
2	<u>875</u>	18	<u>876</u>
3	<u>875</u>	19	<u>876</u>
4	<u>875</u>	20	<u>877</u>
5	<u>873</u>	21	<u>877</u>
6	<u>873</u>	22	<u>817</u>
7	<u>873</u>	23	<u>876</u>
8	<u>872</u>	24	<u>871</u>
9	<u>870</u>	25	<u>835</u>
10	<u>873</u>	26	<u>838</u>
11	<u>875</u>	27	<u>877</u>
12	<u>877</u>	28	<u>876</u>
13	<u>876</u>	29	<u>876</u>
14	<u>867</u>	30	<u>872</u>
15	<u>876</u>	31	<u>877</u>
16	<u>873</u>		

## 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.

# OPERATING DATA REPORT

DOCKET NO. 50-339  
DATE 11-01-82  
COMPLETED BY G. L. Schmitendorf  
TELEPHONE (703) 394-5151 X2502

## OPERATING STATUS

Notes

1. Unit Name: North Anna 2
2. Reporting Period: October 1982
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:

NA

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	745	7,296	16,488
12. Number of Hours Reactor Was Critical	745	3,631	11,045.8
13. Reactor Reserve Shutdown Hours	0	388.6	2,021.8
14. Hours Generator On-Line	745	3,543.7	11,003.1
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	2,052,138	9,049,290	27,832,131
17. Gross Electrical Energy Generated (MWH)	683,890	3,003,810	9,313,042
18. Net Electrical Energy Generated (MWH)	648,191	2,839,188	8,841,604
19. Unit Service Factor	100	48.6	66.7
20. Unit Availability Factor	100	48.6	66.7
21. Unit Capacity Factor (Using MDC Net)	97.8	43.7	60.3
22. Unit Capacity Factor (Using DER Net)	95.9	42.9	59.1
23. Unit Forced Outage Rate	0	28.8	21.9
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):			

None

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

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## OPERATING DATA REPORT

DOCKET NO. 50-339  
 DATE 10-01-82  
 COMPLETED BY G. D. Schmitendorf  
 TELEPHONE (703) 894-5151 X2502

OPERATING STATUS

Notes

1. Unit Name: North Anna 2
2. Reporting Period: September 1982
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:

NA

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	720	6,551	15,743
12. Number of Hours Reactor Was Critical	693.4	2,886	10,300.8
13. Reactor Reserve Shutdown Hours	29.8	388.6	2,021.8
14. Hours Generator On-Line	690.2	2,798.7	10,258.1
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	1,884,166	6,997,152	25,779,993
17. Gross Electrical Energy Generated (MWH)	626,330	2,319,920	8,629,152
18. Net Electrical Energy Generated (MWH)	595,585	2,190,997	8,193,413
19. Unit Service Factor	95.9	42.7	65.2
20. Unit Availability Factor	95.9	42.7	65.2
21. Unit Capacity Factor (Using MDC Net)	92.9	37.6	58.5
22. Unit Capacity Factor (Using DER Net)	91.2	36.9	57.4
23. Unit Forced Outage Rate	4.1	33.9	23.2
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):			

None

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

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## UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-339  
 UNIT NAME North Anna 2  
 DATE 11-01-82  
 COMPLETED BY G. D. Schmitendorf  
 TELEPHONE (703) 894-5151 X2502

REPORT MONTH October

No.	Date	Type <sup>1</sup>	Duration (Hours)	Reason <sup>2</sup>	Method of Shutting Down Reactor <sup>3</sup>	Licensee Event Report #	System Code 4	Component Code 5	Cause & Corrective Action to Prevent Recurrence
82-17	821022		NA	A	1	NA	NA	NA	Repair of 2-FW-P-1C, Main Feedwater Pump, motor/pump coupling.
82-18	821025		NA	A	1	NA	NA	NA	Repair of 2-FW-P-1A, Main Feedwater Pump, motor/pump coupling.

<sup>1</sup>  
 F: Forced  
 S: Scheduled

<sup>2</sup>  
 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)

<sup>3</sup>  
 Method:  
 1-Manual  
 2-Manual Scram.  
 3-Automatic Scram  
 4-Continuations  
 5-Load Reduction  
 9-Other

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

<sup>5</sup>  
 Exhibit H - Same Source

## UNIT SHUTDOWN AND POWER REDUCTIONS

EXPLANATION SHEET      DOCKET NO. 50-339REPORT MONTH October      UNIT NAME NA-2YEAR 1982      DATE 11-01-82COMPLETED BY G. D. Schmitendorf

- 82-17      (A)      (1)      At 1817 on October 22, 1982 with the unit at 100% power, a rampdown to approximately 60% power was commenced in order to inspect the motor to pump coupling of the "C" Main Feedwater Pump. One of the bolts to the coupling was found partially backed out. The necessary repairs to the motor to pump coupling were completed and the unit was returned to full power, reaching 100% at 0026 on October 23, 1982.
- 82-18      (A)      (1)      At 2030 on October 25, 1982 with the unit at 100% power, a rampdown to approximately 60% power was commenced in order to inspect the motor to pump coupling of "A" Main Feedwater Pump. It was found that several of the bolts of the coupling were loose. The necessary repairs to the motor to pump coupling were completed and the unit was returned to full power, reaching 100% at 0425 on October 26, 1982.