

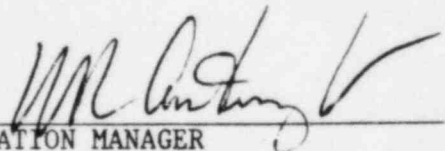
VIRGINIA ELECTRIC AND POWER COMPANY

NORTH ANNA POWER STATION

MONTHLY OPERATING REPORT

MONTH January YEAR 1983

APPROVED:

  
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STATION MANAGER

# OPERATING DATA REPORT

DOCKET NO. 50-338  
DATE 02-01-83  
COMPLETED BY G. D. Schmitendorf  
TELEPHONE (703) 894-5151 X2502

## OPERATING STATUS

Notes

1. Unit Name: North Anna 1
2. Reporting Period: January 1983
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	744	744	40,825
12. Number of Hours Reactor Was Critical	0	0	27,123
13. Reactor Reserve Shutdown Hours	744	744	1,998.1
14. Hours Generator On-Line	0	0	26,382.2
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	0	0	68,259,354
17. Gross Electrical Energy Generated (MWH)	0	0	21,784,532
18. Net Electrical Energy Generated (MWH)	0	0	20,520,733
19. Unit Service Factor	0	0	64.6
20. Unit Availability Factor	0	0	64.6
21. Unit Capacity Factor (Using MDC Net)	0	0	58.1
22. Unit Capacity Factor (Using DER Net)	0	0	55.4
23. Unit Forced Outage Rate	100.0	100.0	9.6
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: 03-10-83
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	02-01-83
COMPLETED BY	G. D. Schmitendorf
TELEPHONE	(703) 894-5151 X2502

REPORT MONTH January

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
82-12	821205	F	744	A	3	82-85	SF	INSTRU	The transformer failure of the previous month caused extensive damage to the main generator. The main generator and the three main transformers are being replaced.

1	2	3	4
F: Forced S: Scheduled	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)	Method: 1-Manual 2-Manual Scram. 3-Automatic Scram 4-Continuations 5-Load Reduction 9-Other	Exhibit F - Instructions for Preparation of Data Entry Sheets for Licensee Event Report (LER) File (NUREG-C161)  5 Exhibit H - Same Source

# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-338

UNIT NA-1

DATE 02-01-83

COMPLETED BY G. Schmitendor

TELEPHONE 703-894-5151X2502

MONTH January

DAY AVERAGE DAILY POWER LEVEL  
(MWe-Net)

1	<u>0</u>
2	<u>0</u>
3	<u>0</u>
4	<u>0</u>
5	<u>0</u>
6	<u>0</u>
7	<u>0</u>
8	<u>0</u>
9	<u>0</u>
10	<u>0</u>
11	<u>0</u>
12	<u>0</u>
13	<u>0</u>
14	<u>0</u>
15	<u>0</u>
16	<u>0</u>

DAY AVERAGE DAILY POWER LEVEL  
(MWe-Net)

17	<u>0</u>
18	<u>0</u>
19	<u>0</u>
20	<u>0</u>
21	<u>0</u>
22	<u>0</u>
23	<u>0</u>
24	<u>0</u>
25	<u>0</u>
26	<u>0</u>
27	<u>0</u>
28	<u>0</u>
29	<u>0</u>
30	<u>0</u>
31	<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.

Page 1 of 1

UNIT SHUTDOWN AND POWER REDUCTIONS

EXPLANATION SHEET      DOCKET NO. 50-338

REPORT MONTH January      UNIT NAME NA-1

YEAR 1983      DATE 02-01-83

COMPLETED BY G. D. Schmitendorf

NO ENTRIES THIS MONTH

# OPERATING DATA REPORT

DOCKET NO. 50-339  
DATE 02-01-83  
COMPLETED BY G. D. Schmitendorf  
TELEPHONE (703) 894-5151 X2502

## OPERATING STATUS

Notes

1. Unit Name: North Anna 2
2. Reporting Period: January 1983
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	744	744	18,696
12. Number of Hours Reactor Was Critical	693.3	693.3	13,196.4
13. Reactor Reserve Shutdown Hours	95.9	95.9	2,117.7
14. Hours Generator On-Line	648.1	648.1	13,100.8
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	1,547,712	1,547,712	33,273,732
17. Gross Electrical Energy Generated (MWH)	508,021	508,021	11,097,317
18. Net Electrical Energy Generated (MWH)	479,398	479,398	10,529,016
19. Unit Service Factor	87.1	87.1	70.0
20. Unit Availability Factor	87.1	87.1	70.0
21. Unit Capacity Factor (Using MDC Net)	72.4	72.4	63.3
22. Unit Capacity Factor (Using DER Net)	71.0	71.0	62.1
23. Unit Forced Outage Rate	12.9	12.9	19.6
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):			

Refueling Outage 04-01-83 thru 05-13-83

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 02-01-83  
 COMPLETED BY G. D. Schmitendorf  
 TELEPHONE (703) 894-5151 X2502

REPORT MONTH January

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
83-01	830104		95.9	A	1	NA	NA	NA	Hydrogen leak in Main Generator. Leaks located, repaired, and unit returned to power.
83-02	830114		0	A	5	NA	NA	NA	Load Reduction in order to reduce High Cation Conductivity of the S/G Chemistry. Condenser tube leaks were found and repairs were made.
83-03	830118		0	A	5	NA	NA	NA	Load Reduction in order to reduce High Cation Conductivity of the S/G Chemistry. Condenser tube leaks were found and repairs were made.
83-04	830120		0	A	5	NA	NA	NA	Load Reduction in order to reduce High Cation Conductivity of the S/G Chemistry. Condenser tube leaks were found and repairs were made.

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



# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-339

UNIT NA-2

DATE 02-01-83

COMPLETED BY G. Schmitendor

TELEPHONE 703-894-5151X2502

MONTH January

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>858</u>	17	<u>863</u>
2	<u>864</u>	18	<u>327</u>
3	<u>836</u>	19	<u>798</u>
4	<u>28</u>	20	<u>858</u>
5	<u>0</u>	21	<u>249</u>
6	<u>0</u>	22	<u>792</u>
7	<u>0</u>	23	<u>864</u>
8	<u>294</u>	24	<u>865</u>
9	<u>857</u>	25	<u>869</u>
10	<u>855</u>	26	<u>870</u>
11	<u>856</u>	27	<u>870</u>
12	<u>857</u>	28	<u>870</u>
13	<u>859</u>	29	<u>862</u>
14	<u>383</u>	30	<u>869</u>
15	<u>237</u>	31	<u>869</u>
16	<u>497</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.



UNIT SHUTDOWN AND POWER REDUCTIONS

EXPLANATION SHEET      DOCKET NO. 50-339

REPORT MONTH January      UNIT NAME NA-2

YEAR 1983      DATE 02-01-83

COMPLETED BY G. D. Schmitendorf

83-01      (A)      (1)      At 2115 on January 3, 1983 with the Unit at 100% power a unit rampdown to off-line was commenced due to Hydrogen leaks at the Main Generator. The generator was taken off-line at 0305 on January 4, 1983, with the reactor maintained critical. At 1044 on January 5, 1983, a Reactor Trip due to Steam Generator Low-Low level occurred. The unit was stabilized in Mode 3 (Hot Standby) while awaiting completion of repairs to the Main Generator. Repairs to the Main Generator Hydrogen system were completed and the reactor reached criticality at 1325 January 7, 1983. The unit was placed on-line at 0257 and reached 100% power at 2300 January 8, 1983.