

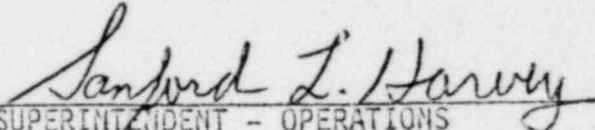
VIRGINIA ELECTRIC AND POWER COMPANY

NORTH ANNA POWER STATION

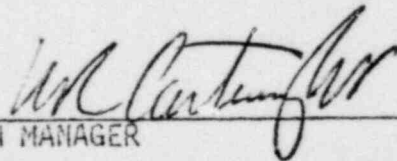
MONTHLY OPERATING REPORT

MONTH May YEAR 1980

SUBMITTED:

  
SUPERINTENDENT - OPERATIONS

APPROVED:

  
STATION MANAGER

8006120304 R

OPERATING DATA REPORT

DOCKET NO. 50-338  
 DATE 6-2-80  
 COMPLETED BY W. R. Madison  
 TELEPHONE 703-894-5151

OPERATING STATUS

1. Unit Name: North Anna 1
2. Reporting Period: May 1980
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): 928
7. Maximum Dependable Capacity (Net MWe): 898
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:  
N/A

Notes

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	<u>744</u>	<u>3,647</u>	<u>17,424</u>
12. Number Of Hours Reactor Was Critical	<u>526.6</u>	<u>2,859.8</u>	<u>13,025</u>
13. Reactor Reserve Shutdown Hours	<u>0</u>	<u>41.9</u>	<u>190.2</u>
14. Hours Generator On-Line	<u>526.6</u>	<u>2,703</u>	<u>12,756.2</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
16. Gross Thermal Energy Generated (MWH)	<u>1,454,808</u>	<u>6,865,077</u>	<u>33,144,990</u>
17. Gross Electrical Energy Generated (MWH)	<u>454,039</u>	<u>2,149,851</u>	<u>10,496,200</u>
18. Net Electrical Energy Generated (MWH)	<u>428,037</u>	<u>2,021,813</u>	<u>9,875,259</u>
19. Unit Service Factor	<u>70.8</u>	<u>74.1</u>	<u>73.2</u>
20. Unit Availability Factor	<u>70.8</u>	<u>74.1</u>	<u>73.2</u>
21. Unit Capacity Factor (Using MDC Net)	<u>64.1</u>	<u>61.7</u>	<u>63.1</u>
22. Unit Capacity Factor (Using DER Net)	<u>63.4</u>	<u>61.1</u>	<u>62.5</u>
23. Unit Forced Outage Rate	<u>29.2</u>	<u>13.2</u>	<u>6.9</u>

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

25. If Shut Down At End Of Report Period, Estimated Date of Startup: June 3, 1980

26. Units In Test Status (Prior to Commercial Operation):	Forecast	Achieved
INITIAL CRITICALITY	<u>      </u>	<u>      </u>
INITIAL ELECTRICITY	<u>      </u>	<u>      </u>
COMMERCIAL OPERATION	<u>      </u>	<u>      </u>

**AVERAGE DAILY UNIT POWER LEVEL**

DOCKET NO. 50-338

UNIT NA 1

DATE 6-2-80

COMPLETED BY W. R. Madison

TELEPHONE 703-894-5151

MONTH May, 1980

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	823	17	811
2	820	18	812
3	818	19	808
4	816	20	811
5	815	21	813
6	813	22	764
7	812	23	0
8	813	24	0
9	814	25	0
10	813	26	0
11	816	27	0
12	796	28	0
13	814	29	0
14	810	30	0
15	813	31	0
16	810		

**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 MONTH May 1980

DOCKET NO. 50-338  
 UNIT NAME North Anna I  
 DATE 6-1-80  
 COMPLETED BY A. G. Neuffer  
 TELEPHONE 703-894-5151 x303

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
80-13	800522	F	217.4	A*	3	80-47/01T	SF	Genera	HI-HI steam generator water level. Feed reg. valve FCV-1498 for "C" steam generator failed open. Valve will be repaired.

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

<sup>2</sup>  
 Reason:  
 A-Equipment Failure (Explain),  
 B-Maintenance of 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-Other (Explain)

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

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

(9/77)

\* See attached sheet.

UNIT SHUTDOWN AND POWER REDUCTIONS

EXPLANATION SHEET

DOCKET NO. 50-338

REPORT MONTH May

UNIT NAME North Anna 1

YEAR 1980

DATE 6-1-80

COMPLETED BY A. G. Neuffer

80-13

(A) 5-22-80 at 2237 Reactor tripped from Hi-Hi S/G water level in "C" S/G. Feed water reg valve FCV-1498 valve actuator/positioner broke off the valve assembly causing the valve to open and allowing it not to be closed remotely.

Note: The unit was previously scheduled for an outage on the following Tuesday morning so at the time of the trip the outage was started.

Highlights:

"Essex" Control Board modification

Draining of steam generators for internal tube side inspection for loose parts and blowdown and check valve maintenance .

A new governor was installed on emergency diesel generator.

This outage will extend through the end of May.

OPERATING DATA REPORT

DOCKET NO. 50-339  
 DATE 6-2-80  
 COMPLETED BY W. R. Madison  
 TELEPHONE 703-894-5151

OPERATING STATUS

1. Unit Name: North Anna 2
2. Reporting Period: May 1980
3. Licensed Thermal Power (MWt): 139
4. Nameplate Rating (Gross MWe): 947
5. Design Electrical Rating (Net MWe): 907
6. Maximum Dependable Capacity (Gross MWe): 928
7. Maximum Dependable Capacity (Net MWe): 898
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:

Notes  
 North Anna 2 License NPF-7 issued for fuel loading and lower power testing on 4-11-80.

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	<u>Criticality</u>	<u>not</u>	<u>achieved</u>
12. Number Of Hours Reactor Was Critical	<u>0</u>	<u>0</u>	<u>0</u>
13. Reactor Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
14. Hours Generator On-Line	<u>0</u>	<u>0</u>	<u>0</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
16. Gross Thermal Energy Generated (MWH)	<u>0</u>	<u>0</u>	<u>0</u>
17. Gross Electrical Energy Generated (MWH)	<u>0</u>	<u>0</u>	<u>0</u>
18. Net Electrical Energy Generated (MWH)	<u>0</u>	<u>0</u>	<u>0</u>
19. Unit Service Factor	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>
20. Unit Availability Factor	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>
21. Unit Capacity Factor (Using MDC Net)	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>
22. Unit Capacity Factor (Using DER Net)	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>
23. Unit Forced Outage Rate	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>

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

N/A

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

	Forecast	Achieved
INITIAL CRITICALITY	<u>6/6/80</u>	<u>_____</u>
INITIAL ELECTRICITY	<u>7/5/80</u>	<u>_____</u>
COMMERCIAL OPERATION	<u>8/12/80</u>	<u>_____</u>

**AVERAGE DAILY UNIT POWER LEVEL**

DOCKET NO. 50-339  
 UNIT NA 2  
 DATE 6-2-80  
 COMPLETED BY W. R. Madison  
 TELEPHONE 703-894-5151

MONTH May, 1980

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.

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH May, 1980

DOCKET NO. 80-339  
 UNIT NAME NA 2  
 DATE 6-2-80  
 COMPLETED BY W. R. Madison  
 TELEPHONE 703-894-5151

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
									Unit in startup status. Criticality has not been achieved.

<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-Other (Explain)

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

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