

**VIRGINIA ELECTRIC AND POWER COMPANY**  
**RICHMOND, VIRGINIA 23261**

July 12, 2000

United States Nuclear Regulatory Commission  
Attention: Document Control Desk  
Washington, D. C. 20555

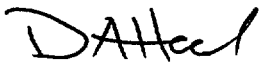
Serial No. 00-352  
NAPS/JHL  
Docket Nos. 50-338  
50-339  
License Nos. NPF-4  
NPF-7

Gentlemen:

**VIRGINIA ELECTRIC AND POWER COMPANY**  
**NORTH ANNA POWER STATION UNIT NOS. 1 AND 2**  
**MONTHLY OPERATING REPORT**

Enclosed is the June 2000 Monthly Operating Report for North Anna Power Station  
Units 1 and 2.

Very truly yours,



D. A. Heacock  
Site Vice President

Enclosure

Commitments made in this letter: None.

cc: U. S. Nuclear Regulatory Commission  
Region II  
Atlanta Federal Center  
61 Forsyth St., SW, Suite 23T85  
Atlanta, Georgia 30303

Mr. M. J. Morgan  
NRC Senior Resident Inspector  
North Anna Power Station

IE24

**VIRGINIA ELECTRIC AND POWER COMPANY**  
**NORTH ANNA POWER STATION**  
**MONTHLY OPERATING REPORT**  
**JUNE 2000**

Approved:

D. A. Hall

Site Vice President

7-11-00

Date

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## OPERATING DATA REPORT

Docket No.: 50-338  
 Date: 07/05/00  
 Contact: D. A. Heacock  
 Telephone: (540) 894-2101

1. Unit Name:..... North Anna Unit 1
2. Reporting Period:..... June 2000
3. Licensed Thermal Power (MWt): ..... 2,893
4. Nameplate Rating (Gross MWe): ..... 979.74
5. Design Electrical Rating (Net MWe): ..... 907
6. Maximum Dependable Capacity (Gross MWe): ... 940
7. Maximum Dependable Capacity (Net MWe): ..... 893

8. If Changes Occur in Capacity Ratings (Items Number 3 Through 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

	<u>This Month</u>	<u>Year-To-Date</u>	<u>Cumulative</u>
11. Hours in Reporting Period	720.0	4,367.0	193,067.0
12. Hours Reactor Was Critical	720.0	3,665.2	153,850.4
13. Reactor Reserve Shutdown Hours	0.0	105.3	7,239.5
14. Hours Generator On-Line	720.0	3,581.2	150,601.0
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	2,080,350.6	9,603,863.2	408,560,801.3
17. Gross Electrical Energy Generated (MWH)	704,435.0	3,260,612.0	171,546,755.0
18. Net Electrical Energy Generated (MWH)	670,939.0	3,097,938.0	127,583,638.0
19. Unit Service Factor	100.0%	82.0%	78.0%
20. Unit Availability Factor	100.0%	82.0%	78.0%
21. Unit Capacity Factor (Using MDC Net)	104.4%	79.4%	73.9%
22. Unit Capacity Factor (Using DER Net)	102.7%	78.2%	72.9%
23. Unit Forced Outage Rate	0.0%	3.2%	7.3%

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 Start-up: N/A

26. Unit In Test Status (Prior to Commercial Operation):

	<u>FORECAST</u>	<u>ACHIEVED</u>
INITIAL CRITICALITY	_____	_____
INITIAL ELECTRICITY	_____	_____
COMMERCIAL OPERATION	_____	_____

## AVERAGE DAILY UNIT POWER LEVEL

Docket No.: 50-338  
Unit Name: North Anna Unit 1  
Date: 07/05/00  
Contact: D. A. Heacock  
Telephone: (540) 894-2101

MONTH: June, 2000

Day	Average Daily Power Level (MWe - Net)	Day	Average Daily Power Level (MWe - Net)
1	935	17	932
2	934	18	931
3	934	19	931
4	934	20	932
5	934	21	931
6	934	22	931
7	934	23	931
8	933	24	931
9	929	25	931
10	930	26	930
11	932	27	930
12	932	28	931
13	933	29	930
14	933	30	929
15	932		
16	932		

### 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.

Docket No.: 50-338  
Unit Name: North Anna Unit 1  
Date: 07/05/00  
Contact: D. A. Heacock  
Telephone: (540) 894-2101

**NORTH ANNA POWER STATION**

**UNIT NO.: 1**  
**MONTH: June, 2000**

**SUMMARY OF OPERATING EXPERIENCE**

Page 1 of 1

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.

<u>Date</u>	<u>Time</u>	<u>Data</u>
June 1, 2000	0000	Began the month in Mode 1, 100% power, 979 MWe.
June 9, 2000	2238	Commenced ramp down for Turbine Valve Freedom Testing (TVFT).
June 10, 2000	2323	TVFT completed satisfactorily.
	0136	Unit at 100% power, 974 MWe.
June 30, 2000	2400	Ended the month in Mode 1, 100% power, 974 MWe.

Docket No.: 50-338  
 Unit Name: North Anna Unit 1  
 Date: 07/05/00  
 Contact: D. A. Heacock  
 Telephone: (540) 894-2101

**UNIT SHUTDOWN AND POWER REDUCTION**  
**(EQUAL TO OR GREATER THAN 20%)**

REPORT MONTH: June, 2000

Date	(1) Type	Duration Hours	(2) Reason	(3) Method of Shutting Down Reactor	LER No.	(4) System Code	(5) Component Code	Cause & Corrective Action to Prevent Recurrence

None during the reporting period.

(1)  
 F: Forced  
 S: Scheduled

(2)  
 REASON:  
 A - Equipment Failure (Explain)  
 B - Maintenance or Test  
 C - Refueling  
 D - Regulatory Restriction  
 E - Operator Training & Licensing Examination  
 F - Administrative  
 G - Operational Error (Explain)

(3)  
 METHOD:  
 1 - Manual  
 2 - Manual Scram  
 3 - Automatic Scram  
 4 - Other (Explain)

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

(5)  
 Exhibit 1 - Same Source

## OPERATING DATA REPORT

Docket No.: 50-339  
 Date: 07/05/00  
 Contact: D. A. Heacock  
 Telephone: (540) 894-2101

1. Unit Name:..... North Anna Unit 2
2. Reporting Period:..... June, 2000
3. Licensed Thermal Power (MWt): ..... 2,893
4. Nameplate Rating (Gross MWe): ..... 979
5. Design Electrical Rating (Net MWe): ..... 907
6. Maximum Dependable Capacity (Gross MWe): ... 944
7. Maximum Dependable Capacity (Net MWe): ..... 897

8. If Changes Occur in Capacity Ratings (Items Number 3 Through 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

	<u>This Month</u>	<u>Year-To-Date</u>	<u>Cumulative</u>
11. Hours in Reporting Period	720.0	4,367.0	171,335.0
12. Hours Reactor Was Critical	720.0	4,334.1	146,202.3
13. Reactor Reserve Shutdown Hours	0.0	31.0	7,338.6
14. Hours Generator On-Line	720.0	4,312.4	144,920.8
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	2,080,463.0	12,415,773.0	398,937,026.6
17. Gross Electrical Energy Generated (MWH)	695,635.0	4,161,563.0	130,671,741.0
18. Net Electrical Energy Generated (MWH)	662,126.0	3,965,346.0	124,764,564.0
19. Unit Service Factor	100.0%	98.7%	84.6%
20. Unit Availability Factor	100.0%	98.7%	84.6%
21. Unit Capacity Factor (Using MDC Net)	102.5%	101.2%	81.0%
22. Unit Capacity Factor (Using DER Net)	101.4%	100.1%	80.3%
23. Unit Forced Outage Rate	0.0%	1.2%	4.4%

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 Start-up: N/A

26. Unit In Test Status (Prior to Commercial Operation):

	<u>FORECAST</u>	<u>ACHIEVED</u>
INITIAL CRITICALITY		
INITIAL ELECTRICITY		
COMMERCIAL OPERATION		

## AVERAGE DAILY UNIT POWER LEVEL

Docket No.: 50-339  
Unit Name: North Anna Unit 2  
Date: 07/05/00  
Contact: D. A. Heacock  
Telephone: (540) 894-2101

MONTH: June, 2000

Day	Average Daily Power Level (MWe - Net)	Day	Average Daily Power Level (MWe - Net)
1	922	17	913
2	918	18	920
3	908	19	920
4	923	20	921
5	919	21	920
6	922	22	920
7	922	23	920
8	922	24	920
9	921	25	920
10	921	26	918
11	921	27	919
12	920	28	919
13	921	29	919
14	921	30	918
15	921		
16	921		

### 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.



Docket No.: 50-339  
Unit Name: North Anna Unit 2  
Date: 07/05/00  
Contact: D. A. Heacock  
Telephone: (540) 894-2101

**NORTH ANNA POWER STATION**

**UNIT NO.: 2**  
**MONTH: June, 2000**

**SUMMARY OF OPERATING EXPERIENCE**

Page 1 of 1

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

<b><u>Date</u></b>	<b><u>Time</u></b>	<b><u>Data</u></b>
June 1, 2000	0000	Began the month in Mode 1, 100% power, 968 MWe.
June 2, 2000	2254	Commenced ramp down for Turbine Valve Freedom Testing (TVFT).
June 3, 2000	0017	TVFT completed satisfactorily.
	0202	Unit at 100% power, 953 MWe.
June 30, 2000	2400	Ended the month in Mode 1, 100% power, 965 MWe.

Docket No.: 50-339  
 Unit Name: North Anna Unit 2  
 Date: 07/05/00  
 Contact: D. A. Heacock  
 Telephone: (540) 894-2101

**UNIT SHUTDOWN AND POWER REDUCTION**  
 (EQUAL TO OR GREATER THAN 20%)

**REPORT MONTH:** June, 2000

	(1)		(2)	(3)		(4)	(5)	
Date	Type	Duration Hours	Reason	Method of Shutting Down Rx	LER No.	System Code	Component Code	Cause & Corrective Action to Prevent Recurrence

None during the reporting period.

(1)  
 F: Forced  
 S: Scheduled

(2)  
 REASON:  
 A - Equipment Failure (Explain)  
 B - Maintenance or Test  
 C - Refueling  
 D - Regulatory Restriction  
 E - Operator Training & Licensing Examination  
 F - Administrative  
 G - Operational Error (Explain)

(3)  
 METHOD:  
 1 - Manual  
 2 - Manual Scram  
 3 - Automatic Scram  
 4 - Other (Explain)

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

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 Exhibit 1 - Same Source