

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

March 12, 2001

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

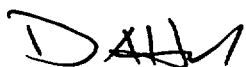
Serial No. 01-148  
NAPS/JHL  
Docket Nos. 50-338  
50-339  
License Nos. NPF-4  
NPF-7

Gentlemen:

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

Enclosed is the February 2001 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  
Sam Nunn 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**  
**FEBRUARY 2001**

Approved:

DAW

Site Vice President

3-12-01

Date

BZ

## OPERATING DATA REPORT

Docket No.: 50-338  
 Date: 03/05/01  
 Contact: D. A. Heacock  
 Telephone: (540) 894-2101

1. Unit Name: ..... North Anna Unit 1
2. Reporting Period: ..... February 2001
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): ... 971
7. Maximum Dependable Capacity (Net MWe): ..... 925
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:  
 MDC gross and net updated per Engineering Transmittal 99-020, Revision 1

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	672.0	1,416.0	198,900.0
12. Hours Reactor Was Critical	672.0	1,416.0	159,683.4
13. Reactor Reserve Shutdown Hours	0.0	0.0	7,239.5
14. Hours Generator On-Line	672.0	1,416.0	156,434.0
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	1,941,214.7	4,090,172.7	425,412,015.3
17. Gross Electrical Energy Generated (MWH)	657,385.0	1,385,906.0	177,250,622.0
18. Net Electrical Energy Generated (MWH)	626,806.0	1,321,459.0	133,020,236.0
19. Unit Service Factor	100.0%	100.0%	78.6%
20. Unit Availability Factor	100.0%	100.0%	78.6%
21. Unit Capacity Factor (Using MDC Net)	100.8%	100.9%	74.8%
22. Unit Capacity Factor (Using DER Net)	102.8%	102.9%	73.7%
23. Unit Forced Outage Rate	0.0%	0.0%	7.1%

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: 03/05/01  
Contact: D. A. Heacock  
Telephone: (540) 894-2101

MONTH: February, 2001

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

### 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: 03/05/01  
Contact: D. A. Heacock  
Telephone: (540) 894-2101

**NORTH ANNA POWER STATION**

**UNIT NO.: 1**  
**MONTH: February, 2001**

**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>
February 1, 2001	0000	Began the month in Mode 1, 100% power, 977 MWe.
February 28, 2001	2400	Ended the month in Mode 1, 100% power, 979 MWe.

Docket No.: 50-338  
 Unit Name: North Anna Unit 1  
 Date: 03/05/01  
 Contact: D. A. Heacock  
 Telephone: (540) 894-2101

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

REPORT MONTH: February, 2001

Report No.	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  
 H - Other (Explain)

(3)  
 METHOD:  
 1 - Manual  
 2 - Manual Scram  
 3 - Automatic Scram  
 4 - Continuations  
 5 - Load Reduction  
 9 - Other

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

(5)  
 Exhibit H - Same Source

# OPERATING DATA REPORT

Docket No.: 50-339  
 Date: 03/05/01  
 Contact: D. A. Heacock  
 Telephone: (540) 894-2101

1. Unit Name: ..... North Anna Unit 2
2. Reporting Period: ..... February, 2001
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): ... 963
7. Maximum Dependable Capacity (Net MWe): ..... 917
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:  
 MDC gross and net updated per Engineering Transmittal 99-020, Revision 1

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

10. Reasons For Restrictions, If Any: N/A

	This Month	Year-To-Date	Cumulative
11. Hours in Reporting Period	672.0	1,416.0	177,168.0
12. Hours Reactor Was Critical	672.0	1,385.3	152,004.6
13. Reactor Reserve Shutdown Hours	0.0	30.1	7,368.7
14. Hours Generator On-Line	672.0	1,382.3	150,720.1
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	1,620,004.7	3,612,225.8	415,281,189.0
17. Gross Electrical Energy Generated (MWH)	545,837.0	1,213,426.0	136,141,694.0
18. Net Electrical Energy Generated (MWH)	517,099.0	1,152,455.0	129,970,526.0
19. Unit Service Factor	100.0%	97.6%	85.1%
20. Unit Availability Factor	100.0%	97.6%	85.1%
21. Unit Capacity Factor (Using MDC Net)	83.9%	88.8%	81.6%
22. Unit Capacity Factor (Using DER Net)	84.8%	89.7%	80.9%
23. Unit Forced Outage Rate	0.0%	2.4%	4.3%

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): March 2001

Type and duration of scheduled shutdowns are no longer provided.

(Reference: Letter Serial No. 00-070, dated February 11, 2000)

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):

	FORECAST	ACHIEVED
INITIAL CRITICALITY		
INITIAL ELECTRICITY		
COMMERCIAL OPERATION		

## AVERAGE DAILY UNIT POWER LEVEL

Docket No.: 50-339  
Unit Name: North Anna Unit 2  
Date: 03/05/01  
Contact: D. A. Heacock  
Telephone: (540) 894-2101

MONTH: February, 2001

Day	Average Daily Power Level (MWe - Net)	Day	Average Daily Power Level (MWe - Net)
1	855	17	750
2	847	18	747
3	839	19	745
4	837	20	742
5	825	21	740
6	822	22	736
7	819	23	720
8	808	24	696
9	805	25	697
10	798	26	695
11	791	27	692
12	788	28	690
13	769		
14	770		
15	767		
16	756		

### 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: 03/05/01  
Contact: D. A. Heacock  
Telephone: (540) 894-2101

**NORTH ANNA POWER STATION**

UNIT NO.: 2  
MONTH: February, 2001

**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.

<u>Date</u>	<u>Time</u>	<u>Data</u>
February 1, 2001	0000	Began the month in Mode 1, 93.1% power, 901 MWe in an end of life power coastdown.
February 28, 2001	2400	Ended the month in Mode 1, 74.4% power, 733 MWe in an end of life power coastdown.

Docket No.: 50-339  
Unit Name: North Anna Unit 2  
Date: 03/05/01  
Contact: D. A. Heacock  
Telephone: (540) 894-2101

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

**REPORT MONTH:** February, 2001

Report No	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

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

(5)  
Exhibit H - Same Source