

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

March 13, 2002

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


Serial No. 02-147  
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 2002 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

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VIRGINIA ELECTRIC AND POWER COMPANY  
NORTH ANNA POWER STATION  
MONTHLY OPERATING REPORT  
FEBRUARY 2002

Approved: DAW 3-12-02  
Site Vice President Date

RR

## OPERATING DATA REPORT

Docket No.: 50-338  
 Date: 03/05/02  
 Contact: D. A. Heacock  
 Telephone: (540) 894-2101

- 1. Unit Name: ..... North Anna Unit 1
- 2. Reporting Period: ..... February 2002
- 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:  
N/A

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	207,660.0
12. Hours Reactor Was Critical	672.0	1,416.0	167,711.8
13. Reactor Reserve Shutdown Hours	0.0	0.0	7,275.2
14. Hours Generator On-Line	672.0	1,416.0	164,445.3
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	1,943,242.7	4,093,777.5	447,523,784.4
17. Gross Electrical Energy Generated (MWH)	660,967.0	1,392,284.0	184,747,515.0
18. Net Electrical Energy Generated (MWH)	629,368.0	1,325,728.0	140,145,295.0
19. Unit Service Factor	100.0%	100.0%	79.2%
20. Unit Availability Factor	100.0%	100.0%	79.2%
21. Unit Capacity Factor (Using MDC Net)	101.2%	101.2%	75.4%
22. Unit Capacity Factor (Using DER Net)	103.3%	103.2%	74.4%
23. Unit Forced Outage Rate	0.0%	0.0%	6.8%

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): N/A  
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  
Estimated start-up dates are no longer provided.  
(Reference: Letter Serial No. 00-070, dated February 11, 2000)

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

	FORECAST	ACHIEVED
INITIAL CRITICALITY	_____	_____
INITIAL ELECTRICITY	_____	_____
COMMERCIAL OPERATION	_____	_____

## AVERAGE DAILY UNIT POWER LEVEL

Docket No.: 50-338  
Unit Name: North Anna Unit 1  
Date: 03/05/02  
Contact: D. A. Heacock  
Telephone: (540) 894-2101

MONTH: February, 2002

Day	Average Daily Power Level (MWe - Net)	Day	Average Daily Power Level (MWe - Net)
1	937	17	936
2	937	18	937
3	936	19	936
4	936	20	936
5	936	21	937
6	937	22	937
7	936	23	938
8	936	24	937
9	937	25	937
10	936	26	937
11	936	27	938
12	936	28	938
13	936		
14	936		
15	936		
16	936		

### 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: 03/05/02  
Contact: D. A. Heacock  
Telephone: (540) 894-2101

**NORTH ANNA POWER STATION**

**UNIT NO.:** 1  
**MONTH:** February, 2002

**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, 2002	0000	Began the month in Mode 1, 100% power, 983 MWe.
February 28, 2002	2400	Ended the month in Mode 1, 100% power, 984 MWe.

Docket No.: 50-338  
 Unit Name: North Anna Unit 1  
 Date: 03/05/02  
 Contact: D. A. Heacock  
 Telephone: (540) 894-2101

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

REPORT MONTH: February, 2002

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

## AVERAGE DAILY UNIT POWER LEVEL

Docket No.: 50-339  
Unit Name: North Anna Unit 2  
Date: 03/05/02  
Contact: D. A. Heacock  
Telephone: (540) 894-2101

MONTH: February, 2002

<u>Day</u>	<u>Average Daily Power Level (MWe - Net)</u>	<u>Day</u>	<u>Average Daily Power Level (MWe - Net)</u>
1	923	17	923
2	923	18	923
3	923	19	923
4	923	20	923
5	923	21	923
6	923	22	922
7	923	23	922
8	923	24	922
9	924	25	922
10	924	26	922
11	923	27	924
12	923	28	922
13	922		
14	923		
15	923		
16	923		

### 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: 03/05/02  
Contact: D. A. Heacock  
Telephone: (540) 894-2101

**NORTH ANNA POWER STATION**

**UNIT NO.:** 2  
**MONTH:** February, 2002

**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>
February 1, 2002	0000	Began the month in Mode 1, 100% power, 969 MWe.
February 28, 2002	2400	Ended the month in Mode 1, 100% power, 965 MWe.



Docket No.: 50-339  
 Unit Name: North Anna Unit 2  
 Date: 03/05/02  
 Contact: D. A. Heacock  
 Telephone: (540) 894-2101

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

REPORT MONTH: February, 2002

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.

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 REASON:  
 A - Equipment Failure (Explain)  
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