

VIRGINIA ELECTRIC AND POWER COMPANY  
RICHMOND, VIRGINIA 23261

March 9, 2004

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

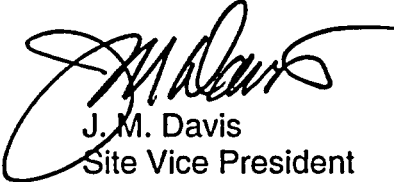
Serial No. 04-131  
NAPS/JRP  
Docket Nos. 50-338  
50-339  
License Nos. NPF-4  
NPF-7

Gentlemen:

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

Enclosed is the February, 2004, Monthly Operating Report for North Anna Power Station Units 1 and 2.

Very truly yours,



J. M. Davis  
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. G. A. Hutto  
NRC Senior Resident Inspector  
North Anna Power Station

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

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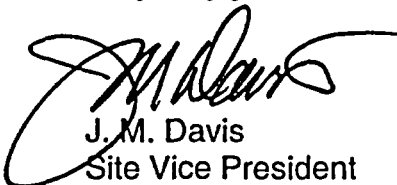
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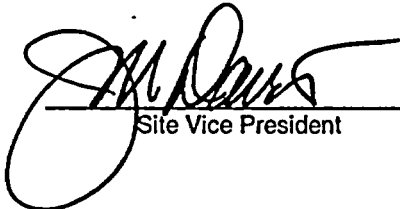
Commitments made in this letter: None.

cc: U. S. Nuclear Regulatory Commission  
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Mr. G. A. Hutto  
NRC Senior Resident Inspector  
North Anna Power Station

**VIRGINIA ELECTRIC AND POWER COMPANY  
NORTH ANNA POWER STATION  
MONTHLY OPERATING REPORT  
FEBRUARY 2004**

Approved:

  
\_\_\_\_\_  
Site Vice President

3/9/04  
Date

# **OPERATING DATA REPORT**

Docket No.: 50-338  
 Date: 03/09/04  
 Contact: J. M. Davis  
 Telephone: (540) 894-2101

1. Unit Name: ..... North Anna Unit 1
2. Reporting Period:..... February, 2004
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

	<u>This Month</u>	<u>Year-To-Date</u>	<u>Cumulative</u>
11. Hours in Reporting Period	696.0	1,440.0	225,204.0
12. Hours Reactor Was Critical	563.8	1,307.8	183,604.2
13. Reactor Reserve Shutdown Hours	0.0	0.0	7,582.1
14. Hours Generator On-Line	532.5	1,276.5	180,267.1
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	1,528,982.5	3,679,945.3	492,682,260.7
17. Gross Electrical Energy Generated (MWH)	514,946.0	1,242,748.0	200,038,041.0
18. Net Electrical Energy Generated (MWH)	489,785.0	1,182,186.0	154,686,004.0
19. Unit Service Factor	76.5%	88.6%	80.0%
20. Unit Availability Factor	76.5%	88.6%	80.0%
21. Unit Capacity Factor (Using MDC Net)	76.1%	88.8%	76.5%
22. Unit Capacity Factor (Using DER Net)	77.6%	90.5%	75.7%
23. Unit Forced Outage Rate	0.0%	0.0%	6.4%

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):

	<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: 03/09/04  
 Contact: J. M. Davis  
 Telephone: (540) 894-2101

MONTH: February, 2004

Day	Average Daily Power Level (MWe - Net)	Day	Average Daily Power Level (MWe - Net)
1	931	17	931
2	930	18	932
3	930	19	932
4	930	20	902
5	930	21	015
6	930	22	000
7	931	23	000
8	932	24	000
9	931	25	000
10	931	26	000
11	932	27	020
12	931	28	847
13	931	29	933
14	932		
15	931		
16	931		

### 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: 03/09/04  
Contact: J. M. Davis  
Telephone: (540) 894-2101

**NORTH ANNA POWER STATION**  
**UNIT NO.: 1**  
**MONTH: February, 2004**

**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, 2004	0000	Began the month in Mode 1, 100% power, 980 MWe.
February 20, 2004	2100	Commenced ramping unit off-line to replace "C" Main Transformer.
February 21, 2004	0154	Opened G12 Breaker; Unit off-line.
	0158	Entered Mode 2.
	0230	Entered Mode 3.
February 26, 2004	1330	Commence Reactor Startup.
	1357	Entered Mode 2.
	1440	Reactor Critical.
	1700	Entered Mode 1.
February 27, 2004	2126	Placed Unit 1 on-line.
February 28, 2004	0850	Unit @ 99.1%, stabilizing @ 100%, 962 MWe.
February 29, 2004	2400	Ended the month in Mode 1, 100% power, 981 MWe.

Docket No.: 50-338  
 Unit Name: North Anna Unit 1  
 Date: 03/09/04  
 Contact: J. M. Davis  
 Telephone: (540) 894-2101

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

REPORT MONTH: February, 2004

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
N1-2004-001	04/02/21	S	163.5	B	1				Unit Shutdown for Replacement of "C" Main Transformer

(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: 03/09/04  
 Contact: J. M. Davis  
 Telephone: (540) 894-2101

1. Unit Name: ..... North Anna Unit 2
2. Reporting Period: ..... February, 2004
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: 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	696.0	1,440.0	203,472.0
12. Hours Reactor Was Critical	696.0	1,440.0	172,922.8
13. Reactor Reserve Shutdown Hours	0.0	0.0	7,547.0
14. Hours Generator On-Line	696.0	1,440.0	171,507.5
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	2,011,766.1	4,162,486.1	474,888,745.3
17. Gross Electrical Energy Generated (MWH)	674,812.0	1,397,514.0	156,042,883.0
18. Net Electrical Energy Generated (MWH)	641,753.0	1,329,529.0	148,895,852.0
19. Unit Service Factor	100.0%	100.0%	84.3%
20. Unit Availability Factor	100.0%	100.0%	84.3%
21. Unit Capacity Factor (Using MDC Net)	100.6%	100.7%	81.2%
22. Unit Capacity Factor (Using DER Net)	101.7%	101.8%	80.7%
23. Unit Forced Outage Rate	0.0%	0.0%	3.9%

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):

	<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: 03/09/04  
Contact: J. M. Davis  
Telephone: (540) 894-2101

MONTH: February, 2004

Day	Average Daily Power Level (MWe - Net)	Day	Average Daily Power Level (MWe - Net)
1	925	17	924
2	924	18	924
3	924	19	924
4	924	20	923
5	924	21	912
6	924	22	916
7	925	23	915
8	926	24	915
9	925	25	914
10	925	26	915
11	925	27	913
12	925	28	922
13	925	29	923
14	926		
15	926		
16	925		

### 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: 03/09/04  
Contact: J. M. Davis  
Telephone: (540) 894-2101

**NORTH ANNA POWER STATION**

**UNIT NO.: 2**  
**MONTH: February, 2004**

**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, 2004	0000	Began the month in Mode 1, 100% power, 970 MWe.
February 29, 2004	2400	Ended the Month in Mode 1, 100% power, 970 MWe.

Docket No.: 50-339  
 Unit Name: North Anna Unit 2  
 Date: 03/09/04  
 Contact: J. M. Davis  
 Telephone: (540) 894-2101

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

REPORT MONTH: February, 2004

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

No entries for this period

(1)  
 F: Forced  
 S: Scheduled

(2)  
 REASON:  
 A - Equipment Failure (Explain)  
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