

VIRGINIA ELECTRIC AND POWER COMPANY
RICHMOND, VIRGINIA 23261

January 8, 2004

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

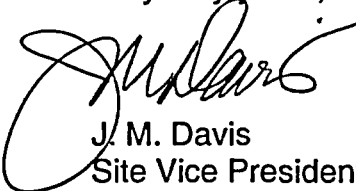
Serial No. 04-012
NAPS/JRP
Docket Nos. 50-338
50-339
License Nos. NPF-4
NPF-7

Gentlemen:

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

Enclosed is the December, 2003, 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

JE24

**VIRGINIA ELECTRIC AND POWER COMPANY
NORTH ANNA POWER STATION
MONTHLY OPERATING REPORT
DECEMBER 2003**

Approved:



Site Vice President

1/9/04

Date

OPERATING DATA REPORT

Docket No.: 50-338
 Date: 01/08/04
 Contact: J. M. Davis
 Telephone: (540) 894-2101

1. Unit Name: North Anna Unit 1
2. Reporting Period:..... December, 2003
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	744.0	8,760.0	223,764.0
12. Hours Reactor Was Critical	744.0	7,240.6	182,296.4
13. Reactor Reserve Shutdown Hours	0.0	306.9	7,582.1
14. Hours Generator On-Line	744.0	7,201.3	178,990.6
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	2,151,165.2	20,291,255.1	489,002,315.4
17. Gross Electrical Energy Generated (MWH)	728,408.0	6,861,678.0	198,795,293.0
18. Net Electrical Energy Generated (MWH)	693,494.0	6,519,916.0	153,503,818.0
19. Unit Service Factor	100.0%	82.2%	80.0%
20. Unit Availability Factor	100.0%	82.2%	80.0%
21. Unit Capacity Factor (Using MDC Net)	100.8%	80.5%	76.4%
22. Unit Capacity Factor (Using DER Net)	102.8%	82.1%	75.6%
23. Unit Forced Outage Rate	0.0%	3.4%	6.3%

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: 01/08/04
Contact: J. M. Davis
Telephone: (540) 894-2101

MONTH: December, 2003

Day	Average Daily Power Level (MWe - Net)	Day	Average Daily Power Level (MWe - Net)
1	933	17	932
2	934	18	932
3	933	19	932
4	933	20	931
5	932	21	932
6	933	22	931
7	933	23	932
8	932	24	932
9	933	25	933
10	933	26	932
11	932	27	932
12	932	28	932
13	932	29	931
14	932	30	931
15	932	31	931
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: 01/08/04
Contact: J. M. Davis
Telephone: (540) 894-2101

NORTH ANNA POWER STATION

UNIT NO.: 1
MONTH: December, 2003

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>
December 1, 2003	0000	Began the month in Mode 1, 100% power, 980 MWe.
December 31, 2003	2400	Ended the month in Mode 1, 100% power, 979 MWe.

Docket No.: 50-338
 Unit Name: North Anna Unit 1
 Date: 01/08/04
 Contact: J. M. Davis
 Telephone: (540) 894-2101

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

REPORT MONTH: December, 2003

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)
 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: 01/08/04
 Contact: J. M. Davis
 Telephone: (540) 894-2101

1. Unit Name: North Anna Unit 2
2. Reporting Period: December, 2003
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	744.0	8,760.0	202,032.0
12. Hours Reactor Was Critical	744.0	8,032.1	171,482.8
13. Reactor Reserve Shutdown Hours	0.0	44.6	7,547.0
14. Hours Generator On-Line	744.0	7,951.1	170,067.5
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	2,150,809.4	22,871,109.9	470,726,259.2
17. Gross Electrical Energy Generated (MWH)	722,033.0	7,634,693.0	154,645,369.0
18. Net Electrical Energy Generated (MWH)	687,500.0	7,262,754.0	147,566,323.0
19. Unit Service Factor	100.0%	90.8%	84.2%
20. Unit Availability Factor	100.0%	90.8%	84.2%
21. Unit Capacity Factor (Using MDC Net)	100.8%	90.4%	81.0%
22. Unit Capacity Factor (Using DER Net)	101.9%	91.4%	80.5%
23. Unit Forced Outage Rate	0.0%	0.3%	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.
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AVERAGE DAILY UNIT POWER LEVEL

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Date: 01/08/04
Contact: J. M. Davis
Telephone: (540) 894-2101

MONTH: December, 2003

<u>Day</u>	<u>Average Daily Power Level (MWe - Net)</u>	<u>Day</u>	<u>Average Daily Power Level (MWe - Net)</u>
1	926	17	922
2	926	18	924
3	926	19	924
4	926	20	924
5	925	21	924
6	925	22	924
7	925	23	923
8	924	24	923
9	924	25	924
10	924	26	923
11	924	27	923
12	925	28	923
13	925	29	923
14	924	30	923
15	924	31	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: 01/08/04
Contact: J. M. Davis
Telephone: (540) 894-2101

NORTH ANNA POWER STATION

UNIT NO.: 2
MONTH: December, 2003

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>
December 1, 2003	0000	Began the month in Mode 1, 100% power, 970 MWe.
December 30, 2003	2400	Ended the Month in Mode 1, 100% power, 969 MWe.

Docket No.: 50-339
 Unit Name: North Anna Unit 2
 Date: 01/08/04
 Contact: J. M. Davis
 Telephone: (540) 894-2101

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

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