

VIRGINIA ELECTRIC AND POWER COMPANY
RICHMOND, VIRGINIA 23261

December 10, 2003

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

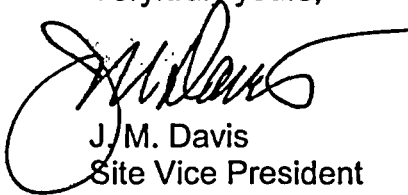
Serial No. 03-605
NAPS/JRP
Docket Nos. 50-338
50-339
License Nos. NPF-4
NPF-7

Gentlemen:

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

Enclosed is the November, 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. M. J. Morgan
NRC Senior Resident Inspector
North Anna Power Station

JE24

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

Approved:



Site Vice President

12/5/03
Date

OPERATING DATA REPORT

Docket No.: 50-338
 Date: 12/10/03
 Contact: J. M. Davis
 Telephone: (540) 894-2101

- 1. Unit Name:..... North Anna Unit 1
- 2. Reporting Period:..... November, 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	720.0	8,016.0	223,020.0
12. Hours Reactor Was Critical	720.0	6,496.6	181,552.4
13. Reactor Reserve Shutdown Hours	0.0	306.9	7,582.1
14. Hours Generator On-Line	720.0	6,457.3	178,246.6
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	2,081,250.3	18,140,089.9	486,851,150.2
17. Gross Electrical Energy Generated (MWH)	704,939.0	6,133,270.0	198,066,885.0
18. Net Electrical Energy Generated (MWH)	671,553.0	5,826,422.0	152,810,324.0
19. Unit Service Factor	100.0%	80.6%	79.9%
20. Unit Availability Factor	100.0%	80.6%	79.9%
21. Unit Capacity Factor (Using MDC Net)	100.8%	78.6%	76.4%
22. Unit Capacity Factor (Using DER Net)	102.8%	80.1%	75.5%
23. Unit Forced Outage Rate	0.0%	3.8%	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: 12/10/03
Contact: J. M. Davis
Telephone: (540) 894-2101

MONTH: November, 2003

<u>Day</u>	<u>Average Daily Power Level (MWe - Net)</u>	<u>Day</u>	<u>Average Daily Power Level (MWe - Net)</u>
1	934	17	934
2	933	18	933
3	933	19	933
4	932	20	934
5	931	21	931
6	932	22	931
7	932	23	934
8	927	24	934
9	926	25	935
10	933	26	934
11	933	27	934
12	932	28	934
13	932	29	934
14	933	30	935
15	933		
16	934		

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: 12/10/03
Contact: J. M. Davis
Telephone: (540) 894-2101

NORTH ANNA POWER STATION

UNIT NO.: 1
MONTH: November, 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>
November 1, 2003	0000	Began the month in Mode 1, 100% power, 978 MWe.
November 21, 2003	2302	Commence rampdown to approx. 890 MWe to perform Turbine Valve Freedom Test.
	2353	Stabilized @ 91% power, 890 MWe.
November 22, 2003	0034	Turbine Valve Freedom Test complete Sat. Commence ramp to 100%.
	0158	100% power, 980 MWe.
November 30, 2003	2400	Ended the month in Mode 1, 100% power, 980 MWe.

Docket No.: 50-338
 Unit Name: North Anna Unit 1
 Date: 12/10/03
 Contact: J. M. Davis
 Telephone: (540) 894-2101

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

REPORT MONTH: November, 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: 12/10/03
 Contact: J. M. Davis
 Telephone: (540) 894-2101

1. Unit Name: North Anna Unit 2
2. Reporting Period: November, 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	720.0	8,016.0	201,288.0
12. Hours Reactor Was Critical	720.0	7,288.1	170,738.8
13. Reactor Reserve Shutdown Hours	0.0	44.6	7,547.0
14. Hours Generator On-Line	720.0	7,207.1	169,323.5
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	2,081,128.6	20,720,300.5	468,575,449.8
17. Gross Electrical Energy Generated (MWH)	698,529.0	6,912,660.0	153,923,336.0
18. Net Electrical Energy Generated (MWH)	665,470.0	6,575,254.0	146,878,823.0
19. Unit Service Factor	100.0%	89.9%	84.1%
20. Unit Availability Factor	100.0%	89.9%	84.1%
21. Unit Capacity Factor (Using MDC Net)	100.8%	89.5%	81.0%
22. Unit Capacity Factor (Using DER Net)	101.9%	90.4%	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
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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: 12/10/03
Contact: J. M. Davis
Telephone: (540) 894-2101

MONTH: November, 2003

<u>Day</u>	<u>Average Daily Power Level (MWe - Net)</u>	<u>Day</u>	<u>Average Daily Power Level (MWe - Net)</u>
1	924	17	925
2	924	18	924
3	922	19	924
4	922	20	925
5	921	21	925
6	923	22	925
7	923	23	925
8	924	24	925
9	925	25	925
10	924	26	925
11	924	27	925
12	925	28	925
13	925	29	926
14	923	30	926
15	923		
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: 12/10/03
Contact: J. M. Davis
Telephone: (540) 894-2101

NORTH ANNA POWER STATION

UNIT NO.: 2
MONTH: November, 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>
November 1, 2003	0000	Began the month in Mode 1, 100% power, 968 MWe.
November 14, 2003	2300	Commence rampdown to approx. 890 MWe to perform Turbine Valve Freedom Test.
	2328	Stabilized @ 91% power, 890 MWe.
November 15, 2003	0003	Turbine Valve Freedom Test complete Sat. Commence ramp to 100%.
	0246	100% power, 970 MWe.
November 30, 2003	2400	Ended the Month in Mode 1, 100% power, 970 MWe.

Docket No.: 50-339
 Unit Name: North Anna Unit 2
 Date: 12/10/03
 Contact: J. M. Davis
 Telephone: (540) 894-2101

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

REPORT MONTH: November, 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

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