

January 10, 2003

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

Serial No. 03-056
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, 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

JE24

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

Approved: DALL 1-13-03
Site Vice President Date

OPERATING DATA REPORT

Docket No.: 50-338
 Date: 01/10/03
 Contact: D. A Heacock
 Telephone: (540) 894-2101

1. Unit Name:..... North Anna Unit 1
2. Reporting Period:..... December, 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

	<u>This Month</u>	<u>Year-To-Date</u>	<u>Cumulative</u>
11. Hours in Reporting Period	744.0	8,760.0	215,004.0
12. Hours Reactor Was Critical	744.0	8,760.0	175,055.8
13. Reactor Reserve Shutdown Hours	0.0	0.0	7,275.2
14. Hours Generator On-Line	744.0	8,760.0	171,789.3
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	2,150,436.4	25,281,053.4	468,711,060.3
17. Gross Electrical Energy Generated (MWH)	731,238.0	8,578,384.0	191,933,615.0
18. Net Electrical Energy Generated (MWH)	695,764.0	8,164,335.0	146,983,902.0
19. Unit Service Factor	100.0%	100.0%	79.9%
20. Unit Availability Factor	100.0%	100.0%	79.9%
21. Unit Capacity Factor (Using MDC Net)	101.1%	100.8%	76.3%
22. Unit Capacity Factor (Using DER Net)	103.1%	102.8%	75.4%
23. Unit Forced Outage Rate	0.0%	0.0%	6.5%

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: 01/10/03
Contact: D. A. Heacock
Telephone: (540) 894-2101

MONTH: December, 2002

Day	Average Daily Power Level (MWe - Net)	Day	Average Daily Power Level (MWe - Net)
1	936	17	936
2	935	18	937
3	936	19	935
4	936	20	935
5	935	21	935
6	932	22	936
7	930	23	935
8	936	24	936
9	936	25	935
10	936	26	935
11	935	27	934
12	937	28	935
13	935	29	934
14	935	30	935
15	935	31	934
16	935		

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: 01/10/03
Contact: D. A. Heacock
Telephone: (540) 894-2101

NORTH ANNA POWER STATION

UNIT NO.: 1
MONTH: December, 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>
December 1, 2002	0000	Began the month in Mode 1, 100% Power, 983 MWe.
December 6, 2002	2308	Commence ramp-down for Turbine Valve Freedom Test ,1-PT-34.3. Unit @ 100% Power, 978 Mwe.
	2345	Stopped Ramp @ 91% Power, 893 Mwe.
December 7, 2002	0019	Turbine Valve Freedom Test complete SAT. Commence ramp to return to 100% Power.
	0430	Unit @ 100% Power, 980 Mwe.
December 31, 2002	2400	Ended the month in Mode 1, 100% Power, 985 MWe.

Docket No.: 50-338
 Unit Name: North Anna Unit 1
 Date: 01/10/03
 Contact: D. A. Heacock
 Telephone: (540) 894-2101

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

REPORT MONTH: December, 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

OPERATING DATA REPORT

Docket No.: 50-339
 Date: 01/10/02
 Contact: D. A. Heacock
 Telephone: (540) 894-2101

- 1. Unit Name: North Anna Unit 2
- 2. Reporting Period: December, 2002
- 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	193,272.0
12. Hours Reactor Was Critical	0.0	6,000.7	163,450.7
13. Reactor Reserve Shutdown Hours	0.0	12.7	7,502.4
14. Hours Generator On-Line	0.0	6,000.0	162,116.4
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	0.0	17,342,125.3	447,855,149.3
17. Gross Electrical Energy Generated (MWH)	0.0	5,792,535.0	147,010,676.0
18. Net Electrical Energy Generated (MWH)	0.0	5,509,695.0	140,303,569.0
19. Unit Service Factor	0.0%	68.5%	83.9%
20. Unit Availability Factor	0.0%	68.5%	83.9%
21. Unit Capacity Factor (Using MDC Net)	0.0%	68.6%	80.6%
22. Unit Capacity Factor (Using DER Net)	0.0%	69.3%	80.0%
23. Unit Forced Outage Rate	0.0%	0.0%	4.1%

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: Unknown
 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: 01/10/03
Contact: D. A. Heacock
Telephone: (540) 894-2101

MONTH: December, 2002

<u>Day</u>	<u>Average Daily Power Level (MWe - Net)</u>	<u>Day</u>	<u>Average Daily Power Level (MWe - Net)</u>
1	000	17	000
2	000	18	000
3	000	19	000
4	000	20	000
5	000	21	000
6	000	22	000
7	000	23	000
8	000	24	000
9	000	25	000
10	000	26	000
11	000	27	000
12	000	28	000
13	000	29	000
14	000	30	000
15	000	31	000
16	000		

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: 01/10/03
Contact: D. A. Heacock
Telephone: (540) 894-2101

NORTH ANNA POWER STATION

UNIT NO.: 2
MONTH: December, 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.

<u>Date</u>	<u>Time</u>	<u>Data</u>
December 1, 2002	0000	Began the month de-fueled
December 31, 2002	2400	Ended the month de-fueled

Docket No.: 50-339
 Unit Name: North Anna Unit 2
 Date: 01/10/03
 Contact: D. A. Heacock
 Telephone: (540) 894-2101

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

REPORT MONTH: December, 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
N2-2002-01	12/01/02	S	744 hrs.	C/B	1				Continuation of refueling / Reactor Vessel Head Replacement Outage

(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