

August 10, 2002

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


Serial No. 02-490
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 July, 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

IE24

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

Approved:

DAH

Site Vice President

8-8-02

Date

OPERATING DATA REPORT

Docket No.: 50-338
 Date: 08/10/02
 Contact: D. A. Heacock
 Telephone: (540) 894-2101

- 1. Unit Name: North Anna Unit 1
- 2. Reporting Period: July, 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	5,087.0	211,331.0
12. Hours Reactor Was Critical	744.0	5,087.0	171,382.8
13. Reactor Reserve Shutdown Hours	0.0	0.0	7,275.2
14. Hours Generator On-Line	744.0	5,087.0	168,116.3
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	2,151,280.9	14,704,476.8	458,134,483.7
17. Gross Electrical Energy Generated (MWH)	726,186.0	4,991,945.0	188,347,176.0
18. Net Electrical Energy Generated (MWH)	690,678.0	4,753,633.0	143,573,200.0
19. Unit Service Factor	100.0%	100.0%	79.6%
20. Unit Availability Factor	100.0%	100.0%	79.6%
21. Unit Capacity Factor (Using MDC Net)	100.4%	101.0%	75.8%
22. Unit Capacity Factor (Using DER Net)	102.4%	103.0%	74.9%
23. Unit Forced Outage Rate	0.0%	0.0%	6.7%

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: 08/10/02
Contact: D. A. Heacock
Telephone: (540) 894-2101

MONTH: July, 2002

<u>Day</u>	<u>Average Daily Power Level (MWe - Net)</u>	<u>Day</u>	<u>Average Daily Power Level (MWe - Net)</u>
1	930	17	929
2	929	18	928
3	928	19	928
4	926	20	928
5	926	21	927
6	927	22	927
7	928	23	927
8	928	24	928
9	928	25	929
10	928	26	929
11	929	27	929
12	929	28	929
13	930	29	928
14	931	30	927
15	930	31	928
16	929		

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: 08/10/02
Contact: D. A. Heacock
Telephone: (540) 894-2101

NORTH ANNA POWER STATION

UNIT NO.: 1
MONTH: July, 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>
July 1, 2002	0000	Began the month in Mode 1, 100% power, 977 MWe.
July 31, 2002	2400	Ended the month in Mode 1, 100% power, 971 MWe.

Docket No.: 50-338
 Unit Name: North Anna Unit 1
 Date: 08/10/02
 Contact: D. A. Heacock
 Telephone: (540) 894-2101

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

REPORT MONTH: July, 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: 08/10/02
 Contact: D. A. Heacock
 Telephone: (540) 894-2101

- | | | |
|----|--|-------------------|
| 1. | Unit Name: | North Anna Unit 2 |
| 2. | Reporting Period: | July, 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	5,087.0	189,599.0
12.	Hours Reactor Was Critical	744.0	5,087.0	162,537.0
13.	Reactor Reserve Shutdown Hours	0.0	0.0	7,489.7
14.	Hours Generator On-Line	744.0	5,087.0	161,203.4
15.	Unit Reserve Shutdown Hours	0.0	0.0	0.0
16.	Gross Thermal Energy Generated (MWH)	2,151,336.2	14,708,431.4	445,221,455.4
17.	Gross Electrical Energy Generated (MWH)	714,458.0	4,917,800.0	146,135,941.0
18.	Net Electrical Energy Generated (MWH)	678,641.0	4,678,848.0	139,472,722.0
19.	Unit Service Factor	100.0%	100.0%	85.0%
20.	Unit Availability Factor	100.0%	100.0%	85.0%
21.	Unit Capacity Factor (Using MDC Net)	99.5%	100.3%	81.7%
22.	Unit Capacity Factor (Using DER Net)	100.6%	101.4%	81.1%
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: _____
 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: 08/10/02
Contact: D. A. Heacock
Telephone: (540) 894-2101

MONTH: July, 2002

<u>Day</u>	<u>Average Daily Power Level (MWe - Net)</u>	<u>Day</u>	<u>Average Daily Power Level (MWe - Net)</u>
1	913	17	913
2	912	18	913
3	911	19	912
4	911	20	912
5	910	21	912
6	911	22	910
7	912	23	911
8	912	24	912
9	912	25	913
10	912	26	912
11	914	27	913
12	913	28	913
13	913	29	912
14	914	30	911
15	914	31	911
16	914		

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: 08/10/02
Contact: D. A. Heacock
Telephone: (540) 894-2101

NORTH ANNA POWER STATION

UNIT NO.: 2
MONTH: July, 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>
July 1, 2002	0000	Began the month in Mode 1, 100% power, 960 MWe.
July 31, 2002	2400	Ended the month in Mode 1, 100% power, 955 MWe.

Docket No.: 50-339
 Unit Name: North Anna Unit 2
 Date: 08/10/02
 Contact: D. A. Heacock
 Telephone: (540) 894-2101

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

REPORT MONTH: July, 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:
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 H - Other (explain)

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