

VIRGINIA ELECTRIC AND POWER COMPANY
RICHMOND, VIRGINIA 23261

August 13, 2001

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

Serial No. 01-496
NAPS/JHL
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 2001 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 2001**

Approved:

DAW

Site Vice President

9-13-01

Date

OPERATING DATA REPORT

Docket No.: 50-338
 Date: 08/05/01
 Contact: D. A. Heacock
 Telephone: (540) 894-2101

1. Unit Name:..... North Anna Unit 1
2. Reporting Period:..... July 2001
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	202,571.0
12. Hours Reactor Was Critical	744.0	5,087.0	163,354.4
13. Reactor Reserve Shutdown Hours	0.0	0.0	7,239.5
14. Hours Generator On-Line	744.0	5,087.0	160,105.0
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	1,969,933.4	14,510,883.1	435,832,725.7
17. Gross Electrical Energy Generated (MWH)	664,817.0	4,912,630.0	180,777,346.0
18. Net Electrical Energy Generated (MWH)	629,526.0	4,677,650.0	136,376,427.0
19. Unit Service Factor	100.0%	100.0%	79.0%
20. Unit Availability Factor	100.0%	100.0%	79.0%
21. Unit Capacity Factor (Using MDC Net)	91.5%	99.4%	75.3%
22. Unit Capacity Factor (Using DER Net)	93.3%	101.4%	74.2%
23. Unit Forced Outage Rate	0.0%	0.0%	7.0%

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): September 2001
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

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: 08/05/01
Contact: D. A. Heacock
Telephone: (540) 894-2101

MONTH: July, 2001

<u>Day</u>	<u>Average Daily Power Level (MWe - Net)</u>	<u>Day</u>	<u>Average Daily Power Level (MWe - Net)</u>
1	925	17	834
2	924	18	824
3	921	19	826
4	918	20	824
5	915	21	821
6	912	22	798
7	909	23	797
8	906	24	795
9	890	25	793
10	878	26	791
11	870	27	789
12	868	28	774
13	863	29	774
14	859	30	771
15	848	31	769
16	844		

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: 08/05/01
Contact: D. A. Heacock
Telephone: (540) 894-2101

NORTH ANNA POWER STATION

UNIT NO.: 1
MONTH: July, 2001

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, 2001	0000	Began the month in Mode 1, 100% power, 974 MWe in an end of cycle temperature coastdown.
July 31, 2001	2400	Ended the month in Mode 1, 83.1% power, 813 MWe in an end of cycle temperature coastdown.

Docket No.: 50-338
 Unit Name: North Anna Unit 1
 Date: 08/05/01
 Contact: D. A. Heacock
 Telephone: (540) 894-2101

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

REPORT MONTH: July, 2001

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: 08/05/01
 Contact: D. A. Heacock
 Telephone: (540) 894-2101

1. Unit Name:..... North Anna Unit 2
2. Reporting Period:..... July, 2001
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	180,839.0
12. Hours Reactor Was Critical	744.0	4,349.7	154,969.0
13. Reactor Reserve Shutdown Hours	0.0	70.2	7,408.8
14. Hours Generator On-Line	744.0	4,316.3	153,654.1
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	2,151,240.9	11,754,915.3	423,423,878.5
17. Gross Electrical Energy Generated (MWH)	715,741.0	3,928,917.0	138,857,185.0
18. Net Electrical Energy Generated (MWH)	680,030.0	3,732,838.0	132,550,909.0
19. Unit Service Factor	100.0%	84.8%	85.0%
20. Unit Availability Factor	100.0%	84.8%	85.0%
21. Unit Capacity Factor (Using MDC Net)	99.7%	80.0%	81.5%
22. Unit Capacity Factor (Using DER Net)	100.8%	80.9%	80.8%
23. Unit Forced Outage Rate	0.0%	0.8%	4.2%

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): N/A

25. If Shut Down at End of Report Period, Estimated Date of Start-up: _____

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: 08/05/01
Contact: D. A. Heacock
Telephone: (540) 894-2101

MONTH: July, 2001

<u>Day</u>	<u>Average Daily Power Level (MWe - Net)</u>	<u>Day</u>	<u>Average Daily Power Level (MWe - Net)</u>
1	911	17	915
2	913	18	914
3	914	19	914
4	914	20	915
5	914	21	914
6	906	22	914
7	899	23	914
8	914	24	914
9	914	25	914
10	915	26	915
11	914	27	917
12	916	28	916
13	915	29	918
14	915	30	917
15	916	31	918
16	915		

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: 08/05/01
Contact: D. A. Heacock
Telephone: (540) 894-2101

NORTH ANNA POWER STATION

UNIT NO.: 2
MONTH: July, 2001

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, 2001	0000	Began the month in Mode 1, 100% power, 960 MWe.
July 6, 2001	1041	Remove "C" high pressure heater drain pump, 2-SD-P-1C, from service for maintenance.
July 7, 2001	2310	Returned "C" high pressure heater drain pump, 2-SD-P-1C, to service.
July 31, 2001	2400	Ended the month in Mode 1, 100% power, 975 MWe.

Docket No.: 50-339
 Unit Name: North Anna Unit 2
 Date: 08/05/01
 Contact: D. A. Heacock
 Telephone: (540) 894-2101

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

REPORT MONTH: July, 2001

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:
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