VIRGINIA ELECTRIC AND POWER COMPANY
RICHMOND, VIRGINIA 23261

August 12, 2004

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

Serial No. 04-487
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, 2004, Monthly Operating Report for North Anna Power Station Units 1 and 2.

Sincerely,

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. T. Widmann
NRC Senior Resident Inspector
North Anna Power Station

IE24

VIRGINIA ELECTRIC AND POWER COMPANY

NORTH ANNA POWER STATION

MONTHLY OPERATING REPORT

JULY 2004

Approved: _____ Site Vice President

8/11/04 Date

OPERATING DATA REPORT

Docket No.: 50-338
Date: 08/12/04
Contact: J. M. Davis
Telephone: (540) 894-2101

1. Unit Name: ..... North Anna Unit 1
2. Reporting Period: ..... July, 2004
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

		This Month	Year-To-Date	Cumulative
11.	Hours in Reporting Period	744.0	5,111.0	228,875.0
12.	Hours Reactor Was Critical	744.0	4,978.8	187,275.2
13.	Reactor Reserve Shutdown Hours	0.0	0.0	7,582.1
14.	Hours Generator On-Line	744.0	4,947.5	183,938.1
15.	Unit Reserve Shutdown Hours	0.0	0.0	0.0
16.	Gross Thermal Energy Generated (MWH)	2,151,180.0	14,292,453.4	503,294,768.8
17.	Gross Electrical Energy Generated (MWH)	724,075.0	4,828,202.0	203,623,495.0
18.	Net Electrical Energy Generated (MWH)	688,568.0	4,592,376.0	158,096,194.0
19.	Unit Service Factor	100.0%	96.8%	80.4%
20.	Unit Availability Factor	100.0%	96.8%	80.4%
21.	Unit Capacity Factor (Using MDC Net)	100.1%	97.1%	76.9%
22.	Unit Capacity Factor (Using DER Net)	102.0%	99.1%	76.2%
23.	Unit Forced Outage Rate	0.0%	0.0%	6.2%

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: 08/12/04
Contact: J. M. Davis
Telephone: (540) 894-2101

MONTH: July, 2004

Day	Average Daily Power Level (MWe - Net)	Day	Average Daily Power Level (MWe - Net)
1	928	17	925
2	927	18	926
3	927	19	925
4	927	20	925
5	927	21	925
6	926	22	924
7	926	23	924
8	926	24	925
9	925	25	926
10	926	26	926
11	925	27	926
12	925	28	926
13	924	29	925
14	924	30	925
15	924	31	924
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.: 50-338
Unit Name: North Anna Unit 1
Date: 08/12/04
Contact: J. M. Davis
Telephone: (540) 894-2101

NORTH ANNA POWER STATION

UNIT NO.: 1

MONTH: July, 2004

SUMMARY OF OPERATING EXPERIENCE

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.

Date	Time	Data
July 1, 2004	0000	Began the month in Mode 1, 100% Power, 975 MWe.
July 31, 2004	2359	Ended the month in Mode 1, 100% Power, 974 MWe.

Docket No.: 50-338
Unit Name: North Anna Unit 1
Date: 08/12/04
Contact: J. M. Davis
Telephone: (540) 894-2101

UNIT SHUTDOWN AND POWER REDUCTION

(EQUAL TO OR GREATER THAN 20%)

REPORT MONTH: July, 2004

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

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(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: 08/12/04
Contact: J. M. Davis
Telephone: (540) 894-2101

1. Unit Name: ..... North Anna Unit 2
2. Reporting Period: ..... July, 2004
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

		This Month	Year-To-Date	Cumulative
11.	Hours in Reporting Period	744.0	5,111.0	207,143.0
12.	Hours Reactor Was Critical	744.0	4,422.5	175,905.3
13.	Reactor Reserve Shutdown Hours	0.0	0.0	7,547.0
14.	Hours Generator On-Line	744.0	4,405.4	174,472.9
15.	Unit Reserve Shutdown Hours	0.0	0.0	0.0
16.	Gross Thermal Energy Generated (MWH)	2,151,359.5	12,643,452.7	483,369,711.9
17.	Gross Electrical Energy Generated (MWH)	714,625.0	4,229,338.0	158,874,707.0
18.	Net Electrical Energy Generated (MWH)	679,140.0	4,022,903.0	151,589,226.0
19.	Unit Service Factor	100.0%	86.2%	84.2%
20.	Unit Availability Factor	100.0%	86.2%	84.2%
21.	Unit Capacity Factor (Using MDC Net)	99.5%	85.8%	81.2%
22.	Unit Capacity Factor (Using DER Net)	100.6%	86.8%	80.7%
23.	Unit Forced Outage Rate	0.0%	0.5%	3.8%

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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26. Unit In Test Status (Prior to Commercial Operation):

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INITIAL ELECTRICITY		
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AVERAGE DAILY UNIT POWER LEVEL

Docket No.: 50-339
Unit Name: North Anna Unit 2
Date: 08/12/04
Contact: J. M. Davis
Telephone: (540) 894-2101

MONTH: July, 2004

Day	Average Daily Power Level (MWe - Net)	Day	Average Daily Power Level (MWe - Net)
1	915	17	913
2	914	18	913
3	914	19	914
4	914	20	913
5	914	21	912
6	913	22	912
7	913	23	912
8	913	24	913
9	913	25	914
10	913	26	914
11	913	27	914
12	913	28	913
13	912	29	911
14	912	30	911
15	912	31	911
16	913		

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: 08/12/04
Contact: J. M. Davis
Telephone: (540) 894-2101

NORTH ANNA POWER STATION

UNIT NO.: 2
MONTH: July, 2004

SUMMARY OF OPERATING EXPERIENCE

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.

Date	Time	Data
July 1, 2004	0000	Began the month in Mode 1, 100% Power, 965 MWe.
July 30, 2004	2359	Ended the Month in Mode 1, 100% Power, 960 Mwe.

Docket No.: 50-339
Unit Name: North Anna Unit 2
Date: 08/12/04
Contact: J. M. Davis
Telephone: (540) 894-2101

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

REPORT MONTH: July, 2004

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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