VIRGINIA ELECTRIC AND POWER COMPANY
RICHMOND, VIRGINIA 23261

April 9, 2001

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

Serial No. 01-222
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 March 2001 Monthly Operating Report for North Anna Power Station Units 1 and 2.

Very truly yours,

DAH

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

MARCH 2001

Approved: DAH
Site Vice President

4-9-01
Date

4/9/01

OPERATING DATA REPORT

Docket No.: 50-338
Date: 04/05/01
Contact: D. A. Heacock
Telephone: (540) 894-2101

1. Unit Name: ..... North Anna Unit 1
2. Reporting Period: ..... March 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

		This Month	Year-To-Date	Cumulative
11.	Hours in Reporting Period	744.0	2,160.0	199,644.0
12.	Hours Reactor Was Critical	744.0	2,160.0	160,427.4
13.	Reactor Reserve Shutdown Hours	0.0	0.0	7,239.5
14.	Hours Generator On-Line	744.0	2,160.0	157,178.0
15.	Unit Reserve Shutdown Hours	0.0	0.0	0.0
16.	Gross Thermal Energy Generated (MWH)	2,148,503.9	6,238,676.6	427,560,519.2
17.	Gross Electrical Energy Generated (MWH)	728,753.0	2,114,659.0	177,979,375.0
18.	Net Electrical Energy Generated (MWH)	695,042.0	2,016,501.0	133,715,278.0
19.	Unit Service Factor	100.0%	100.0%	78.7%
20.	Unit Availability Factor	100.0%	100.0%	78.7%
21.	Unit Capacity Factor (Using MDC Net)	101.0%	100.9%	74.9%
22.	Unit Capacity Factor (Using DER Net)	103.0%	102.9%	73.8%
23.	Unit Forced Outage Rate	0.0%	0.0%	7.1%

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):

	FORECAST	ACHIEVED
INITIAL CRITICALITY		
INITIAL ELECTRICITY		
COMMERCIAL OPERATION		

AVERAGE DAILY UNIT POWER LEVEL

Docket No.: 50-338
Unit Name: North Anna Unit 1
Date: 04/05/01
Contact: D. A. Heacock
Telephone: (540) 894-2101

MONTH: March, 2001

Day	Average Daily Power Level (MWe - Net)	Day	Average Daily Power Level (MWe - Net)
1	933	17	935
2	932	18	936
3	933	19	935
4	934	20	935
5	934	21	935
6	933	22	935
7	933	23	935
8	932	24	935
9	932	25	935
10	930	26	935
11	933	27	936
12	935	28	935
13	936	29	934
14	937	30	933
15	936	31	933
16	936		

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: 04/05/01
Contact: D. A. Heacock
Telephone: (540) 894-2101

NORTH ANNA POWER STATION

UNIT NO.: 1
MONTH: March, 2001

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
March 1, 2001	0000	Began the month in Mode 1, 100% power, 979 MWe.
March 9, 2001	2241	Commenced ramp down for Turbine Valve Freedom Testing (TVFT). Unit 1 is at 100% power, 981 MWe.
March 9, 2001	2358	Unit 1 is at 90.5% power, 890 MWe.
March 10, 2001	0035	TVFT was completed satisfactorily. Commenced ramp up to 100% power.
March 10, 2001	0502	Unit 1 is at 100% power, 981 MWe.
March 31, 2001	2400	Ended the month in Mode 1, 100% power, 982 MWe.

Docket No.: 50-338
Unit Name: North Anna Unit 1
Date: 04/05/01
Contact: D. A. Heacock
Telephone: (540) 894-2101

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

REPORT MONTH: March, 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.

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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: 04/05/01
Contact: D. A. Heacock
Telephone: (540) 894-2101

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

		This Month	Year-To-Date	Cumulative
11.	Hours in Reporting Period	744.0	2,160.0	177,912.0
12.	Hours Reactor Was Critical	241.1	1,626.4	152,245.7
13.	Reactor Reserve Shutdown Hours	14.4	44.5	7,383.1
14.	Hours Generator On-Line	240.4	1,622.7	150,960.5
15.	Unit Reserve Shutdown Hours	0.0	0.0	0.0
16.	Gross Thermal Energy Generated (MWH)	503,743.6	4,115,969.4	415,784,932.6
17.	Gross Electrical Energy Generated (MWH)	169,571.0	1,382,997.0	136,311,265.0
18.	Net Electrical Energy Generated (MWH)	159,786.0	1,312,241.0	130,130,312.0
19.	Unit Service Factor	32.3%	75.1%	84.9%
20.	Unit Availability Factor	32.3%	75.1%	84.9%
21.	Unit Capacity Factor (Using MDC Net)	23.4%	66.3%	81.3%
22.	Unit Capacity Factor (Using DER Net)	23.7%	67.0%	80.6%
23.	Unit Forced Outage Rate	0.0%	2.0%	4.3%

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: April 9, 2001

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

	FORECAST	ACHIEVED
INITIAL CRITICALITY		
INITIAL ELECTRICITY		
COMMERCIAL OPERATION		

AVERAGE DAILY UNIT POWER LEVEL

Docket No.: 50-339
Unit Name: North Anna Unit 2
Date: 04/05/01
Contact: D. A. Heacock
Telephone: (540) 894-2101

MONTH: March, 2001

Day	Average Daily Power Level (MWe - Net)	Day	Average Daily Power Level (MWe - Net)
1	688	17	000
2	682	18	000
3	674	19	000
4	673	20	000
5	669	21	000
6	671	22	000
7	671	23	000
8	658	24	000
9	655	25	000
10	616	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: 04/05/01
Contact: D. A. Heacock
Telephone: (540) 894-2101

NORTH ANNA POWER STATION

UNIT NO.: 2
MONTH: March, 2001

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
March 1, 2001	0000	Began the month in Mode 1, 74.4% power, 733 MWe in an end of life power coastdown.
March 2, 2001	1545	Commenced a ramp down from 732 MWe due to high vibrations on turbine #1 bearing.
March 2, 2001	1600	Stabilized at 72% power, 724 MWe.
March 5, 2001	2250	Commenced a ramp down from 72% power, 715 MWe due to high vibrations on turbine #1 bearing.
March 5, 2001	2315	Stabilized at 70% power, 695 MWe.
March 6, 2001	0310	Commenced a ramp up from 69.9% power, 690 MWe due to high vibrations on turbine #1 bearing.
March 6, 2001	0316	Stabilized at 73% power, 718 MWe.
March 10, 2001	2058	Commenced ramp down for scheduled refueling outage. Unit 2 is at 72% power, 698 MWe.
March 11, 2001	0026	Main generator is off line.
March 11, 2001	0104	Entered Mode 3.
March 11, 2001	0119	Manual reactor trip due to failure of "B" control bank group 2 step counter. (Only the shutdown banks were withdrawn at the time of the manual reactor trip.)
March 11, 2001	1110	Entered Mode 4.
March 11, 2001	1530	Entered Mode 5.
March 14, 2001	2345	Entered Mode 6.
March 31, 2001	2400	Ended the month in Mode 6.

Docket No.: 50-339
Unit Name: North Anna Unit 2
Date: 04/05/01
Contact: D. A. Heacock
Telephone: (540) 894-2101

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

REPORT MONTH: March, 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
N2-2001-02	3/11/01	S	503.6	C	1				Unit shutdown for a scheduled refueling 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)
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1 - Manual
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