VIRGINIA ELECTRIC AND POWER COMPANY
RICHMOND, VIRGINIA 23261

May 12, 2000

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

Serial No. 00-254
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 April 2000 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
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
APRIL 2000

Approved: _____ 5-12-00
Site Vice President Date

OPERATING DATA REPORT

Docket No.: 50-338
Date: 05/05/00
Contact: D. A. Heacock
Telephone: (540) 894-2101

1. Unit Name:..... North Anna Unit 1
2. Reporting Period:..... April 2000
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): ... 940
7. Maximum Dependable Capacity (Net MWe): 893

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	719.0	2,903.0	191,603.0
12.	Hours Reactor Was Critical	561.8	2,267.3	152,452.5
13.	Reactor Reserve Shutdown Hours	24.5	39.2	7,173.4
14.	Hours Generator On-Line	530.5	2,235.1	149,254.9
15.	Unit Reserve Shutdown Hours	0.0	0.0	0.0
16.	Gross Thermal Energy Generated (MWH)	1,433,869.1	5,729,968.4	404,686,906.5
17.	Gross Electrical Energy Generated (MWH)	483,163.0	1,950,430.0	170,236,573.0
18.	Net Electrical Energy Generated (MWH)	458,282.0	1,850,186.0	126,335,886.0
19.	Unit Service Factor	73.8%	77.0%	77.9%
20.	Unit Availability Factor	73.8%	77.0%	77.9%
21.	Unit Capacity Factor (Using MDC Net)	71.4%	71.4%	73.8%
22.	Unit Capacity Factor (Using DER Net)	70.3%	70.3%	72.7%
23.	Unit Forced Outage Rate	0.0%	0.0%	7.4%

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: 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: 05/05/00
Contact: D. A. Heacock
Telephone: (540) 894-2101

MONTH: April, 2000

Day	Average Daily Power Level (MWe - Net)	Day	Average Daily Power Level (MWe - Net)
1	000	17	935
2	000	18	934
3	000	19	932
4	000	20	933
5	000	21	935
6	000	22	935
7	000	23	935
8	014	24	935
9	192	25	930
10	552	26	932
11	787	27	934
12	934	28	936
13	933	29	795
14	934	30	931
15	935		
16	934		

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: 05/05/00
Contact: D. A. Heacock
Telephone: (540) 894-2101

NORTH ANNA POWER STATION

UNIT NO.: 1
MONTH: April, 2000

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
April 1, 2000	0000	Began the month in Mode 5.
April 6, 2000	1311	Entered Mode 4.
	1846	Entered Mode 3.
April 7, 2000	1340	Entered Mode 2.
	1414	Reactor critical.
April 8, 2000	0853	Entered Mode 1.
	2133	Placed Unit 1 on-line.
April 12, 2000	0241	Unit 1 is at 99.5% power, 982 MWe.
April 27, 2000	1254	Ramped Unit 1 to 95% power for governor valve maintenance.
	1406	Completed governor valve maintenance.
	1548	Ramped Unit 1 to 100% power, 984 MWe.
April 29, 2000	1232	Ramping to 60% power, to repair bus duct cooling fan 1-GM-F-1.
	1553	Unit 1 at 60% power, 575 MWe.
	2105	Completed maintenance on 1-GM-F-1. Ramping Unit to 100% power.
April 30, 2000	0152	Unit 1 is at 100% power.
	2400	Ended the month in Mode 1, 100% power, 980 MWe.

Docket No.: 50-338
Unit Name: North Anna Unit 1
Date: 05/05/00
Contact: D. A. Heacock
Telephone: (540) 894-2101

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

REPORT MONTH: April, 2000

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
4/1/00	S	188.5	C	1	NA	NA	NA	Continuation of scheduled refueling outage
4/29/00	F	13.5	B	NA	NA	NA	NA	Ramped down to 60% power to repair bus duct cooling fan 1-GM-F-1.

(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 (Explain)

(3)
METHOD:
1 - Manual
2 - Manual Scram
3 - Automatic Scram
4 - Other (Explain)

(4)
Exhibit G - Instructions for Preparation of Data Entry Sheets for Licensee Event Report (LER) File (NUREG 0161)

(5)
Exhibit 1 - Same Source

OPERATING DATA REPORT

Docket No.: 50-339
Date: 05/05/00
Contact: D. A. Heacock
Telephone: (540) 894-2101

1. Unit Name:..... North Anna Unit 2
2. Reporting Period:..... April, 2000
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): ... 944
7. Maximum Dependable Capacity (Net MWe): 897

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	719.0	2,903.0	169,871.0
12.	Hours Reactor Was Critical	686.1	2,870.1	144,738.3
13.	Reactor Reserve Shutdown Hours	31.0	31.0	7,338.6
14.	Hours Generator On-Line	664.4	2,848.0	143,456.8
15.	Unit Reserve Shutdown Hours	0.0	0.0	0.0
16.	Gross Thermal Energy Generated (MWH)	1,908,949.3	8,185,133.9	394,706,387.5
17.	Gross Electrical Energy Generated (MWH)	638,547.0	2,746,135.0	129,256,313.0
18.	Net Electrical Energy Generated (MWH)	608,571.0	2,617,198.0	123,416,416.0
19.	Unit Service Factor	92.4%	98.1%	84.5%
20.	Unit Availability Factor	92.4%	98.1%	84.5%
21.	Unit Capacity Factor (Using MDC Net)	94.4%	100.5%	80.8%
22.	Unit Capacity Factor (Using DER Net)	93.3%	99.4%	80.1%
23.	Unit Forced Outage Rate	7.5%	1.8%	4.5%

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: 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.: 50-339
Unit Name: North Anna Unit 2
Date: 05/05/00
Contact: D. A. Heacock
Telephone: (540) 894-2101

MONTH: April, 2000

Day	Average Daily Power Level (MWe - Net)	Day	Average Daily Power Level (MWe - Net)
1	924	17	929
2	917	18	929
3	344	19	927
4	000	20	926
5	110	21	926
6	880	22	928
7	916	23	928
8	917	24	928
9	925	25	927
10	924	26	928
11	924	27	928
12	925	28	927
13	928	29	925
14	923	30	927
15	929		
16	928		

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: 05/05/00
Contact: D. A. Heacock
Telephone: (540) 894-2101

NORTH ANNA POWER STATION

UNIT NO.: 2
MONTH: April, 2000

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
April 1, 2000	0000	Began the month in Mode 1, 100% power, 970 MWe.
April 3, 2000	0857	Automatic reactor trip due to 2C station service transformer secondary feeder cable failure.
April 4, 2000	0557	Entered Mode 2.
	0624	Reactor critical.
	0749	Entered Mode 1.
	1146	Manual reactor trip due to loss of reactor coolant loop flow.
	2247	Entered Mode 2.
	2314	Reactor critical.
April 5, 2000	0010	Entered Mode 1.
	1536	Placed Unit 2 on-line.
April 6, 2000	0548	Unit at 100% power, 960 MWe.
April 30, 2000	2400	Ended the month in Mode 1, 100% power, 969 MWe.

Docket No.: 50-339
Unit Name: North Anna Unit 2
Date: 05/05/00
Contact: D. A. Heacock
Telephone: (540) 894-2101

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

REPORT MONTH: April, 2000

Date	(1) Type	Duration Hours	(2) Reason	(3) Method of Shutting Down Rx	LER No.	(4) System Code	(5) Component Code	Cause & Corrective Action to Prevent Recurrence
4/3/00	F	54.6*	A	3	N2-00-001-00	EA	CBL5	Automatic reactor trip due to 2C station service transformer (SST) secondary feeder cable failure. The cable was repaired and the 2C SST was returned to service.
4/4/00	F		G	2	N2-00-002-00	AB	P	Manual reactor trip due to loss of reactor coolant loop flow when the incorrect potential transformer fuse drawer for the "F" emergency transfer bus was opened. Remedial training was provided to Operations personnel involved. A change to the controlling procedure for clearing tags and locating fuses was initiated.

* Total duration for both events

---

(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 (Explain)

(3)
METHOD:
1 - Manual
2 - Manual Scram
3 - Automatic Scram
4 - Other (Explain)

(4)
Exhibit G - Instructions for Preparation of Data Entry Sheets for Licensee Event Report (LER) File (NUREG 0161)

(5)
Exhibit 1 - Same Source