VIRGINIA ELECTRIC AND POWER COMPANY
RICHMOND, VIRGINIA 23261

May 12, 2003

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

Serial No. 03-342
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 April, 2003, 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

JE24

VIRGINIA ELECTRIC AND POWER COMPANY
NORTH ANNA POWER STATION
MONTHLY OPERATING REPORT
APRIL 2003

Approved: _____ 5-13-03
Site Vice President Date

OPERATING DATA REPORT

Docket No.: 50-338
Date: 05/12/03
Contact: D. A. Heacock
Telephone: (540) 894-2101

1. Unit Name:..... North Anna Unit 1
2. Reporting Period:..... April, 2003
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	719.0	2,879.0	217,883.0
12.	Hours Reactor Was Critical	311.5	1,585.2	176,641.0
13.	Reactor Reserve Shutdown Hours	67.3	80.9	7,356.1
14.	Hours Generator On-Line	285.3	1,557.5	173,346.8
15.	Unit Reserve Shutdown Hours	0.0	0.0	0.0
16.	Gross Thermal Energy Generated (MWH)	728,761.4	3,993,968.8	472,705,029.1
17.	Gross Electrical Energy Generated (MWH)	243,528.0	1,350,253.0	193,283,868.0
18.	Net Electrical Energy Generated (MWH)	229,137.0	1,275,718.0	148,259,620.0
19.	Unit Service Factor	39.7%	54.1%	79.6%
20.	Unit Availability Factor	39.7%	54.1%	79.6%
21.	Unit Capacity Factor (Using MDC Net)	34.5%	47.9%	75.9%
22.	Unit Capacity Factor (Using DER Net)	35.1%	48.9%	75.0%
23.	Unit Forced Outage Rate	5.7%	1.1%	6.5%

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: 05/12/03
Contact: D. A. Heacock
Telephone: (540) 894-2101

MONTH: April, 2003

Day	Average Daily Power Level (MWe - Net)	Day	Average Daily Power Level (MWe - Net)
1	000	17	000
2	000	18	110
3	000	19	349
4	000	20	148
5	000	21	673
6	000	22	877
7	000	23	916
8	000	24	932
9	000	25	934
10	000	26	934
11	000	27	935
12	000	28	934
13	000	29	933
14	000	30	935
15	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.: 50-338
Unit Name: North Anna Unit 1
Date: 05/12/03
Contact: D. A. Heacock
Telephone: (540) 894-2101

NORTH ANNA POWER STATION

UNIT NO.: 1
MONTH: April, 2003

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, 2003	0000	Began the month defueled.
April 3, 2003	0936	Entered Mode 6
April 4, 2003	1953	Core on-load complete
April 7, 2003	0756	Entered Mode 5
April 13, 2003	1114	Entered Mode 4
	1630	Entered Mode 3
April 14, 2003	1957	Entered Mode 4
April 15, 2003	0015	Entered Mode 5
April 16, 2003	1614	Entered Mode 4
	2216	Entered Mode 3
April 17, 2003	1222	Entered Mode 2
	1402	Reactor Critical
	1420	Commence Physics Testing
April 18, 2003	0158	Physics Testing complete
	0444	Entered Mode 1
	0929	Generator On-line
	1041	Stabilized Power @ 28% power, 214 Mwe.
April 19, 2003	0320	Commence ramp-up
	1848	Stabilized @ 74% power, 739 Mwe for Flux map.
	2008	Manual Reactor Trip due to #2 & 4 Throttle Valves drifting shut from low EHC pressure.

Docket No.: 50-338
Unit Name: North Anna Unit 1
Date: 05/12/03
Contact: D. A. Heacock
Telephone: (540) 894-2101

NORTH ANNA POWER STATION

UNIT NO.: 1
MONTH: April, 2003

SUMMARY OF OPERATING EXPERIENCE

Date	Time	Data
April 20, 2003	0559	Commence U1 Reactor Startup
	0615	Entered Mode 2
	0635	Reactor Critical
	0940	Entered Mode 1
	1321	Unit On-line
	1430	Stabilized power @ 30%, 240 Mwe. for Calorimetric
	1544	Commence Ramp-up
	1628	Unit @ 40% power, 340 Mwe.
	2045	Commence ramp to 75%
April 21, 2003	0500	Stabilized power @ 74%, 735 Mwe. for Flux Map
	2050	Commence Ramp-up
April 22, 2003	0600	Holding power @ 90%
	1004	Commence power increase
	1027	Stabilized power @ 98%, 948 Mwe. for Calorimetric
	1037	Calorimetric complete SAT.
	1050	Commence power increase to 100%
	1150	Stabilized power @ 100%, 956 Mwe.
April 30, 2003	2400	Ended the month in Mode 1, 100% power, 980 Mwe.

Docket No.: 50-338
Unit Name: North Anna Unit 1
Date: 05/12/03
Contact: D. A. Heacock
Telephone: (540) 894-2101

UNIT SHUTDOWN AND POWER REDUCTION

(EQUAL TO OR GREATER THAN 20%)

REPORT MONTH: April, 2003

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
N1-2003-01	03/04/18	S	416.5	B/C	1				Continuation of Refueling / Reactor Head Replacement
N1-2003-02	03/04/19	F	17.2	A	1				Failure of interface diaphragm caused # 2 & 4 Throttle Valves to drift closed.

(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: 05/12/03
Contact: D. A. Heacock
Telephone: (540) 894-2101

1. Unit Name: ..... North Anna Unit 2
2. Reporting Period: ..... April, 2003
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	719.0	2,879.0	196,151.0
12.	Hours Reactor Was Critical	716.8	2,151.1	165,601.8
13.	Reactor Reserve Shutdown Hours	1.8	44.6	7,547.0
14.	Hours Generator On-Line	709.2	2,070.1	164,186.5
15.	Unit Reserve Shutdown Hours	0.0	0.0	0.0
16.	Gross Thermal Energy Generated (MWH)	2,030,269.9	5,883,883.8	453,739,033.1
17.	Gross Electrical Energy Generated (MWH)	675,930.0	1,955,575.0	148,966,251.0
18.	Net Electrical Energy Generated (MWH)	642,855.0	1,858,804.0	142,162,373.0
19.	Unit Service Factor	98.6%	71.9%	83.7%
20.	Unit Availability Factor	98.6%	71.9%	83.7%
21.	Unit Capacity Factor (Using MDC Net)	97.5%	70.4%	80.5%
22.	Unit Capacity Factor (Using DER Net)	98.6%	71.2%	79.9%
23.	Unit Forced Outage Rate	1.4%	1.0%	4.0%

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.: 50-339
Unit Name: North Anna Unit 2
Date: 05/12/03
Contact: D. A. Heacock
Telephone: (540) 894-2101

MONTH: April, 2003

Day	Average Daily Power Level (MWe - Net)	Day	Average Daily Power Level (MWe - Net)
1	246	17	913
2	904	18	918
3	910	19	917
4	915	20	917
5	917	21	919
6	917	22	920
7	916	23	924
8	917	24	924
9	917	25	923
10	916	26	923
11	915	27	923
12	914	28	916
13	914	29	914
14	914	30	917
15	912		
16	912		

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: 05/12/03
Contact: D. A. Heacock
Telephone: (540) 894-2101

NORTH ANNA POWER STATION

UNIT NO.: 2
MONTH: April, 2003

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, 2003	0000	Began the month in Mode 3
	0148	Entered Mode 2
	0215	Reactor Critical
	0256	Entered Mode 1
	0952	Closed G202; Unit On-line
	1050	Unit @ 30% power for Chemistry Hold
	1618	Cleared Chemistry Hold; Commence ramp to 45% power
	1712	Holding @ 45% power
	1801	Commence ramp-up
	1955	Holding @ 75% power, 720 Mwe.
	2025	Commence ramp to 90%
	2135	Holding ramp @ 90% power, 858 Mwe.
	2315	Increasing power to 98%
April 2, 2003	0011	Secured ramp @ 98% power, 944 Mwe.
	0031	Commence ramp to 100%
	0122	Unit @ 100% power, 960 Mwe.
April 30, 2003	2400	Ended the Month in Mode 1, 100% power, 960 Mwe.

Docket No.: 50-339
Unit Name: North Anna Unit 2
Date: 05/12/03
Contact: D. A. Heacock
Telephone: (540) 894-2101

UNIT SHUTDOWN AND POWER REDUCTION

(EQUAL TO OR GREATER THAN 20%)

REPORT MONTH: April, 2003

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
N2-2003-01	03/04/01	F	9.8	A	3				Continuation of Scram on 03/03/31 Failure of 2-FW-FCY-2498 (fuse) driver card for 2-FW-FCV-2498.

(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
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