VIRGINIA ELECTRIC AND POWER COMPANY
RICHMOND, VIRGINIA 23261

October 11, 2004

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

Serial No. 04-618
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 September, 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

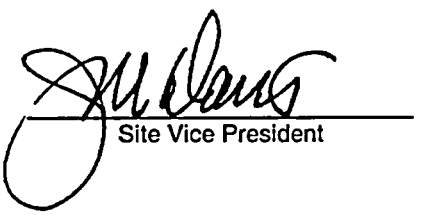
IE24

VIRGINIA ELECTRIC AND POWER COMPANY

NORTH ANNA POWER STATION

MONTHLY OPERATING REPORT

SEPTEMBER 2004

Approved:  Site Vice President

10/8/04
Date

OPERATING DATA REPORT

Docket No.: 50-338
Date: 10/11/04
Contact: J. M. Davis
Telephone: (540) 894-2101

1. Unit Name: ..... North Anna Unit 1
2. Reporting Period: ..... September, 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	720.0	6,575.0	230,339.0
12.	Hours Reactor Was Critical	265.2	5,988.1	188,284.5
13.	Reactor Reserve Shutdown Hours	0.0	0.0	7,582.1
14.	Hours Generator On-Line	264.4	5,955.9	184,946.5
15.	Unit Reserve Shutdown Hours	0.0	0.0	0.0
16.	Gross Thermal Energy Generated (MWH)	751,666.5	17,194,798.4	506,197,113.8
17.	Gross Electrical Energy Generated (MWH)	253,447.0	5,806,302.0	204,601,595.0
18.	Net Electrical Energy Generated (MWH)	240,955.0	5,522,352.0	159,026,170.0
19.	Unit Service Factor	36.7%	90.6%	80.3%
20.	Unit Availability Factor	36.7%	90.6%	80.3%
21.	Unit Capacity Factor (Using MDC Net)	36.2%	90.8%	76.9%
22.	Unit Capacity Factor (Using DER Net)	36.9%	92.6%	76.1%
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: 10/11/04
Contact: J. M. Davis
Telephone: (540) 894-2101

MONTH: September, 2004

Day	Average Daily Power Level (MWe - Net)	Day	Average Daily Power Level (MWe - Net)
1	928	17	000
2	929	18	000
3	928	19	000
4	925	20	000
5	922	21	000
6	919	22	000
7	916	23	000
8	913	24	000
9	909	25	000
10	906	26	000
11	846	27	000
12	001	28	000
13	000	29	000
14	000	30	000
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: 10/11/04
Contact: J. M. Davis
Telephone: (540) 894-2101

NORTH ANNA POWER STATION

UNIT NO.: 1

MONTH: September, 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
September 1, 2004	0000	Began the month in Mode 1, 100% Power, 975 MWe.
September 4, 2004	0000	99.8% Power, Tavg coastdown in progress
September 11, 2004	2033	Commence ramping unit off-line for scheduled Refueling outage. 97.3% Power, 946 MWe.
September 12, 2004	0024	Unit off-line
	0102	Entered Mode 2
	0113	Entered Mode 3
	1034	Entered Mode 4
	1501	Entered Mode 5
September 15, 2004	0652	Entered Mode 6
September 18, 2004	0713	Commence core off-load
September 19, 2004	1933	Core off-load complete
September 25, 2004	1233	Commence core on-load
September 27, 2004	0319	Core on-load is complete
September 30, 2004	0852	Entered Mode 5
September 30, 2004	2400	Ended the month in Mode 5

Docket No.: 50-338
Unit Name: North Anna Unit 1
Date: 10/11/04
Contact: J. M. Davis
Telephone: (540) 894-2101

UNIT SHUTDOWN AND POWER REDUCTION

(EQUAL TO OR GREATER THAN 20%)

REPORT MONTH: September, 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
N1-2004-02	04/09/12	S	455.6	C	1				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)
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: 10/11/04
Contact: J. M. Davis
Telephone: (540) 894-2101

1. Unit Name: ..... North Anna Unit 2
2. Reporting Period: ..... September, 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	720.0	6,575.0	208,607.0
12.	Hours Reactor Was Critical	720.0	5,886.4	177,369.2
13.	Reactor Reserve Shutdown Hours	0.0	0.0	7,547.0
14.	Hours Generator On-Line	720.0	5,869.4	175,936.8
15.	Unit Reserve Shutdown Hours	0.0	0.0	0.0
16.	Gross Thermal Energy Generated (MWH)	2,081,435.6	16,876,305.4	487,602,564.6
17.	Gross Electrical Energy Generated (MWH)	691,727.0	5,635,611.0	160,280,980.0
18.	Net Electrical Energy Generated (MWH)	657,583.0	5,359,586.0	152,925,909.0
19.	Unit Service Factor	100.0%	89.3%	84.3%
20.	Unit Availability Factor	100.0%	89.3%	84.3%
21.	Unit Capacity Factor (Using MDC Net)	99.6%	88.9%	81.3%
22.	Unit Capacity Factor (Using DER Net)	100.7%	89.9%	80.8%
23.	Unit Forced Outage Rate	0.0%	0.4%	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
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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: 10/11/04
Contact: J. M. Davis
Telephone: (540) 894-2101

MONTH: September, 2004

Day	Average Daily Power Level (MWe - Net)	Day	Average Daily Power Level (MWe - Net)
1	910	17	914
2	909	18	915
3	907	19	916
4	907	20	917
5	910	21	917
6	910	22	917
7	911	23	916
8	909	24	916
9	910	25	920
10	911	26	917
11	910	27	916
12	910	28	916
13	913	29	917
14	913	30	916
15	915		
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: 10/11/04
Contact: J. M. Davis
Telephone: (540) 894-2101

NORTH ANNA POWER STATION

UNIT NO.: 2
MONTH: September, 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
September 1, 2004	0000	Began the month in Mode 1, 100% Power, 958 MWe.
September 3, 2004	2301	Commence ramp-down to approx. 890 MWe. to perform Turbine Valve Freedom Test
	2332	Stopped ramp @ 92% Power, 890 MWe.
September 4, 2004	0030	TVFT complete SAT, commence ramp to 100%
	0223	Unit @ 100% Power, 953 MWe.
September 30, 2004	2400	Ended the Month in Mode 1, 100% Power, 964 MWe.

Docket No.: 50-339
Unit Name: North Anna Unit 2
Date: 10/11/04
Contact: J. M. Davis
Telephone: (540) 894-2101

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

REPORT MONTH: September, 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

(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)

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METHOD:
1 - Manual
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