VIRGINIA ELECTRIC AND POWER COMPANY
RICHMOND, VIRGINIA 23261

December 12, 1994

U. S. Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, D.C. 20555

Serial No. 94-697
NL&P/GSS R0
Docket Nos. 50-338
50-339
License Nos. NPF-4
NPF-7

Gentlemen:

VIRGINIA ELECTRIC AND POWER COMPANY
NORTH ANNA POWER STATION UNITS 1 AND 2
MONTHLY OPERATING REPORT

Enclosed is the Monthly Operating Report for North Anna Power Station Units 1 and 2 for the month of November 1994.

Very truly yours,

M. L. Bowling, Manager
Nuclear Licensing and Programs

Enclosure

cc: U.S. Nuclear Regulatory Commission
Region II
101 Marietta Street, NW
Suite 2900
Atlanta, GA 30323

Mr. R. D. McWhorter
NRC Senior Resident Inspector
North Anna Power Station

IE24

VIRGINIA POWER COMPANY
NORTH ANNA POWER STATION
MONTHLY OPERATING REPORT

MONTH: November YEAR: 1994

Approved:

Station Manager

OPERATING DATA REPORT

DOCKET NO.: 50-338
DATE: December 5, 1994
CONTACT: J. A. Stall
PHONE: (703) 894-2101

OPERATING STATUS

1. Unit Name:.....North Anna 1
2. Reporting Period:.....November 1994
3. Licensed Thermal Power (MWt):..... 2,893
4. Nameplate Rating (Gross MWe):..... 994
5. Design Electrical Rating (Net MWe):..... 907
6. Maximum Dependable Capacity (Gross MWe):.. 948
7. Maximum Dependable Capacity (Net MWe):.... 900

8. If changes occur in Capacity Ratings (Items No. 3 thru 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	Y-t-D	Cumulative
11. Hours in Reporting Period	720.0	8,016.0	144,132.0
12. Number of Hours Reactor was Critical	720.0	7,298.1	107,703.8
13. Reactor Reserve Shutdown Hours	0.0	103.7	6,930.5
14. Hours Generator On-Line	720.0	7,268.8	104,709.7
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	2,081,574.2	19,581,692.0	278,033,928.4
17. Gross Electrical Energy Generated (MWH)	687,657.0	6,450,825.0	91,366,182.0
18. Net Electrical Energy Generated (MWH)	655,426.0	6,119,727.0	86,526,312.0
19. Unit Service Factor	100.0%	90.7%	72.6%
20. Unit Availability Factor	100.0%	90.7%	72.6%
21. Unit Capacity Factor (using MDC Net)	101.1%	84.8%	67.2%
22. Unit Capacity Factor (using DER Net)	100.4%	84.2%	66.2%
23. Forced Outage Rate	0.0%	0.0%	10.1%

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each) N/A

25. If Shutdown at end of Report Period, estimated time of Startup: N/A
26. Units 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: NA-1
Date: December 5, 1994
Contact: J. A. Stall
Phone: (703) 894-2101

MONTH: November 1994

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	909	17	911
2	910	18	911
3	911	19	911
4	911	20	912
5	911	21	912
6	911	22	912
7	911	23	912
8	911	24	911
9	911	25	911
10	893	26	910
11	911	27	911
12	911	28	910
13	911	29	910
14	912	30	910
15	911		
16	911		

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.

NORTH ANNA POWER STATION

UNIT NO.: 1
MONTH: November

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
November 01, 1994	0000	Began month with unit at 100% power, 955 MWe.
November 10, 1994	0810	Commenced unit ramp-down for TVFT. Unit at 100% power, 956 MWe.
	0912	Unit stable at 89% power, 860 MWe.
	1211	Commenced unit ramp-up following TVFT. Unit at 89% power, 860 MWe.
	1330	Unit stable at 100% power, 954 MWe.
November 30, 1994	2400	Ended month with unit at 100% power, 954 MWe.

UNIT SHUTDOWN AND POWER REDUCTIONS
Explanation Sheet

Docket No.: 50-338

Report Month November **Unit Name:** NA-1

Year: 1994 **Date:** December 5, 1994

Contact: J. A. Stall

*No entry this month.

DOCKET NO.: 50-338
UNIT NAME: NA-1
DATE: December 5, 1994
CONTACT: J. A. Stall
PHONE: (703) 894-2101

REPORT MONTH: November 1994

No.	Date	1 Type	Duration (hrs)	2 Reason	3 Method of Shutting Down Reactor	Licensee Event Report #	4 System Code	5 Component Code	Cause & Corrective Action to Prevent Recurrence
*No entry this month									

1: Type
F=Forced
S=Scheduled

2: Reason
A=Equipment Failure (explain)
B=Maintenance or Test
C=Refueling
D=Regulatory Restriction
E=Operator Training & License 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 F - 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: December 5, 1994
CONTACT: J. A. Stall
PHONE: (703) 894-2101

OPERATING STATUS

1. Unit Name:..... ..North Anna 2
2. Reporting Period:.....November 1994
3. Licensed Thermal Power (MWt):..... 2893
4. Nameplate Rating (Gross MWe):..... 979
5. Design Electrical Rating (Net MWe):..... 907
6. Maximum Dependable Capacity (Gross MWe):.. 935
7. Maximum Dependable Capacity (Net MWe):.... 887

8. If changes occur in Capacity Ratings (Items No. 3 thru 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	Y-t-D	Cumulative
11. Hours in Reporting Period.....	720.0	8,016.0	122,400.0
12. Number of Hours Reactor was Critical.....	720.0	7,815.9	102,189.5
13. Reactor Reserve Shutdown Hours.....	0.0	95.7	6,508.9
14. Hours Generator On-Line.....	720.0	7,774.3	101,091.7
15. Unit Reserve Shutdown Hours.....	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	2,082,123.7	22,239,248.4	274,464,906.1
17. Gross Electrical Energy Generated (MWH).....	674,580.0	7,185,580.0	89,781,056.0
18. Net Electrical Energy Generated (MWH).....	642,022.0	6,828,238.0	85,877,939.0
19. Unit Service Factor.....	100.0%	97.0%	82.6%
20. Unit Availability Factor.....	100.0%	97.0%	82.6%
21. Unit Capacity Factor (using MDC Net).....	100.5%	96.0%	77.9%
22. Unit Capacity Factor (using DER Net).....	98.3%	93.9%	77.4%
23. Forced Outage Rate.....	0.0%	3.0%	5.2%

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): Refueling/Steam Generator Replacement, 03/25/95, 105 days

25. If Shutdown at end of Report Period, estimated time of Startup: N/A
26. Units 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: NA-2
Date: December 5, 1994
Contact: J. A. Stall
Phone: (703) 894-2101

MONTH: November 1994

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	892	17	893
2	893	18	892
3	891	19	893
4	884	20	893
5	893	21	892
6	892	22	892
7	892	23	892
8	892	24	892
9	892	25	892
10	892	26	891
11	892	27	890
12	892	28	890
13	893	29	890
14	8[illegible]	30	891
15	8[illegible]		
16	8[illegible]		

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.

NORTH ANNA POWER STATION

UNIT NO.: 2
MONTH: November

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
November 01, 1994	0000	Began month with unit at 100% power, 930 MWe.
November 04, 1994	0829	Commenced unit ramp-down for TVFT. Unit at 100% power, 935 MWe.
	0930	Unit stable at 90% power, 850 MWe.
	1043	Commenced unit ramp-up following TVFT. Unit at 90% power, 850 MWe.
	1129	Unit stable at 100% power, 935 MWe.
November 30, 1994	2400	Ended month with unit at 100% power, 935 MWe.

UNIT SHUTDOWN AND POWER REDUCTIONS
Explanation Sheet

Docket No.: 50-339

Report Month October **Unit Name:** NA-2

Year: 1994 **Date:** November 5, 1994

Contact: J. A. Stall

*No entry this month.

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO.: 50-339
UNIT NAME: NA-2
DATE: December 5, 1994
CONTACT: J. A. Stall
PHONE: (703) 894-2101

REPORT MONTH: November 1994

No.	Date	1 Type	Duration (hrs)	2 Reason	3 Method of Shutting Down Reactor	Licensee Event Report #	4 System Code	5 Component Code	Cause & Corrective Action to Prevent Recurrence

*No entry this month.

1: Type
F=Forced
S=Scheduled

2: Reason
A=Equipment Failure (explain)
B=Maintenance or Test
C=Refueling
D=Regulatory Restriction
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3: Method
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