VIRGINIA ELECTRIC AND POWER COMPANY
RICHMOND, VIRGINIA 23261

June 10, 1992

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

Serial No. 92-398
NL&P/JMJ:jmj
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 May 1992.

Very truly yours,

W. L. Stewart
Senior Vice President - Nuclear

Enclosure

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

Mr. M. S. Lesser
NRC Senior Resident Inspector
North Anna Power Station

IE24
1/1

VIRGINIA POWER COMPANY
NORTH ANNA POWER STATION
MONTHLY OPERATING REPORT

MONTH: May YEAR: 1992

Approved:

Station Manager

OPERATING DATA REPORT

DOCKET NO.: 50-338
DATE: June 1, 1992
CONTACT: G. E. Kane
PHONE: (703) 894-2101

OPERATING STATUS

1. Unit Name:.....North Anna 1
2. Reporting Period:.....May 1992
3. Licensed Thermal Power (MWt):..... 2,748
4. Nameplate Rating (Gross MWe):..... 947
5. Design Electrical Rating (Net MWe):..... 907
6. Maximum Dependable Capacity (Gross MWe):.. 894
7. Maximum Dependable Capacity (Net MWe):.... 848

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	744.0	3,647.0	122,219.0
12. Number of Hours Reactor was Critical	744.0	2,105.3	88,793.8
13. Reactor Reserve Shutdown Hours	0.0	31.3	6,758.0
14. Hours Generator On-Line	744.0	2,088.2	85,859.7
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	2,041,639.3	5,571,074.0	228,523,846.4
17. Gross Electrical Energy Generated (MWH)	676,777.0	1,844,035.0	75,101,882.0
18. Net Electrical Energy Generated (MWH)	642,631.0	1,750,101.0	71,104,718.0
19. Unit Service Factor	100.0%	57.3%	70.3%
20. Unit Availability Factor	100.0%	57.3%	70.3%
21. Unit Capacity Factor (using MDC Net)	101.6%	54.2%	65.0%
22. Unit Capacity Factor (using DER Net)	[illegible]	52.9%	64.1%
23. Forced Outage Rate	0.0%	0.0%	12.0%

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each) None

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: June 1, 1992
Contact: G. E. Kane
Phone: (703) 894-2101

MONTH: May 1992

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY LEVEL LEVEL (MWe-Net)
1	867	17	864
2	867	18	864
3	866	19	865
4	866	20	866
5	867	21	866
6	367	22	866
7	867	23	865
8	860	24	863
9	867	25	862
10	867	26	864
11	868	27	863
12	867	28	863
13	868	29	864
14	867	30	865
15	868	31	864
16	867		

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.

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO.: 50-338
UNIT NAME: NA-1
DATE: June 1, 1992
CONTACT: G. E. Kane
PHONE: (703) 894-2101

REPORT MONTH: May 1992

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

UNIT SHUTDOWN AND POWER REDUCTIONS
Explanation Sheet

Docket No.: 50-338

Report Month May Unit Name: NA-1

Year: 1992 Date: June 1, 1992

Contact: G. E. Kane

*No entry this month.

NORTH ANNA POWER STATION

UNIT NO.: 1
MONTH: May

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
May 01, 1992	0000	Began month with unit at 95% power, 909MWe.
May 08, 1992	1000	Commenced unit ramp-down for TVFT.
	1130	TVFT completed satisfactorily.
	1225	Commenced unit ramp-up to 95% power.
	1324	Unit stable at 95% power, 906MWe.
May 31, 1992	2400	Ended month with unit at 95% power, 910MWe.

OPERATING DATA REPORT

DOCKET NO.: 50-339
DATE: June 1, 1992
CONTACT: G. E. Kane
PHONE: (703) 894-2101

OPERATING STATUS

1. Unit Name:.....North Anna 2
2. Reporting Period:.....May 1992
3. Licensed Thermal Power (MWt):..... 2893
4. Nameplate Rating (Gross MWe):..... 947
5. Design Electrical Rating (Net MWe):..... 907
6. Maximum Dependable Capacity (Gross MWe):.. 957
7. Maximum Dependable Capacity (Net MWe):.... 909

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	744.0	3,647.0	100,487.0
12. Number of Hours Reactor was Critical	687.9	2,193.9	81,929.8
13. Reactor Reserve Shutdown Hours	56.1	164.9	6,222.3
14. Hours Generator On-Line	683.2	2,143.9	80,918.3
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	1,949,702.7	5,634,758.2	217,451,891.3
17. Gross Electrical Energy Generated (MWH)	643,876.0	1,846,234.0	71,226,360.0
18. Net Electrical Energy Generated (MWH)	611,855.0	1,749,477.0	68,249,210.0
19. Unit Service Factor	91.8%	58.8%	80.5%
20. Unit Availability Factor	91.8%	58.8%	80.5%
21. Unit Capacity Factor (using MDC Net)	90.5%	52.8%	75.4%
22. Unit Capacity Factor (using DER Net)	90.7%	52.9%	74.9%
23. Forced Outage Rate	0.0%	1.2%	5.9%

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.: 50-339
Unit: NA-2
Date: June 1, 1992
Contact: G. E. Kane
Phone: (703) 894-2101

MONTH: May 1992

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY LEVEL LEVEL (MWe-Net)
1	909	17	909
2	908	18	910
3	908	19	910
4	909	20	910
5	911	21	910
6	912	22	893
7	912	23	26
8	913	24	0
9	914	25	69
10	913	26	854
11	910	27	909
12	912	28	908
13	910	29	908
14	909	30	907
15	910	31	902
16	910		

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.

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO.: 50-339
UNIT NAME: NA-2
DATE: June 1, 1992
CONTACT: G. E. Kane
PHONE: (703) 894-2101

REPORT MONTH: May 1992

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
92-04	920523	S	60.8	B	1	N/A	TD	N/A	Planned outage for Lube Oil System Maintenance.

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
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5:
Exhibit H - Same Source

UNIT SHUTDOWN AND POWER REDUCTIONS
Explanation Sheet

Docket No.: 50-339

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

Year: 1992 **Date:** June 1, 1992

Contact: G. E. Kane

#92-04

May 22, 1992
Commenced unit ramp-down at 0.3%/min for planned Main Turbine Lube Oil System maintenance outage.

May 23, 1992
Main Generator off-line and unit entered Mode 2 at 0235 hours. Unit entered Mode 3 at 0314 hours.

May 25, 1992
Unit entered Mode 2 at 1116 hours. Unit entered Mode 1 at 1430 hours. Main Generator on-line at 1524 hours. Unit stable at approximately 30% power for Chemistry hold at 1625 hours. Commenced unit ramp-up to full power at 2320 hours.

May 26, 1992
Unit stable at 99.2% power with all turbine valves full open at 0515 hours. Commenced throttling open the bypass valves for the first point Feedwater heaters to reach 100% power at 1707 hours. Unit stable at 100% power with first point Feedwater heater bypass valves partially open at 1759 hours.

NORTH ANNA POWER STATION

UNIT NO.: 2
MONTH: May

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
May 01, 1992	0000	Began month with unit at 99% power, 949MWe.
May 07, 1992	1500	Commenced throttling open the bypass valves for the first point Feedwater heaters in order to reach 100% power.
	1630	Unit stable at 100% power, 959MWe, with first point Feedwater heater bypass valves partially open.
May 11, 1992	1420	Decreasing MWe and Main Condenser vacuum. Entered appropriate Abnormal Operating procedure. Reduced power to 95% power.
	1546	Commenced unit ramp-up to 100% power.
	1630	Unit stable at 100% power, 955MWe.
May 22, 1992	2148	Commenced unit ramp-down at 0.3%/min for planned Main Turbine Lube Oil system maintenance outage.
May 23, 1992	0235	Main Generator off-line. Unit entered Mode 2.
	0314	Unit entered Mode 3.
May 25, 1992	1116	Unit entered Mode 2.
	1430	Unit entered Mode 1.
	1524	Main Generator on-line.
	1625	Unit stable at approximately 30% power for Chemistry hold.
	2320	Commenced unit ramp-up to full power.

NORTH ANNA POWER STATION

UNIT NO.: 2
MONTH: May

SUMMARY OF OPERATING EXPERIENCE

May 26, 1992	0515	Unit stable at 99.2% power, 909MWe, with all Turbine valves full open.
	1707	Commenced throttling open the bypass valves for the first point Feedwater heaters in order to reach 100% power.
	1759	Unit stable at 100% power, 952MWe, with first point Feedwater heater bypass valves partially open.
May 31, 1992	2400	Ended month with unit at 100% power, 954MWe.