VIRGINIA ELECTRIC AND POWER COMPANY
RICHMOND, VIRGINIA 23261

March 10, 1993

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

Serial No. 93-129
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 February 1993.

Very truly yours,

M. L. Bowling, Manager
Nuclear Licensing and Programs

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

VIRGINIA POWER COMPANY
NORTH ANNA POWER STATION
MONTHLY OPERATING REPORT

MONTH: February YEAR: 1993

Approved:

Station Manager

OPERATING DATA REPORT

DOCKET NO.: 50-338
DATE: March 4, 1993
CONTACT: G. E. Kane
PHONE: (703) 894-2101

OPERATING STATUS

1. Unit Name:.....North Anna 1
2. Reporting Period:.....February 1993
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.....	672.0	1,416.0	128,772.0
12. Number of Hours Reactor was Critical.....	0.0	84.2	94,015.0
13. Reactor Reserve Shutdown Hours.....	0.0	15.7	6,773.7
14. Hours Generator On-Line.....	0.0	83.0	91,079.7
15. Unit Reserve Shutdown Hours.....	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH).....	0.0	95,402.5	240,271,589.4
17. Gross Electrical Energy Generated (MWH).....	0.0	31,066.0	78,957,971.0
18. Net Electrical Energy Generated (MWH).....	0.0	27,823.0	74,741,763.0
19. Unit Service Factor.....	0.0%	5.9%	70.7%
20. Unit Availability Factor.....	0.0%	5.9%	70.7%
21. Unit Capacity Factor (using MDC Net).....	0.0%	2.3%	65.0%
22. Unit Capacity Factor (using DER Net).....	0.0%	2.2%	64.0%
23. Forced Outage Rate.....	0.0%	0.0%	11.4%

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

25. If Shutdown at end of Report Period, estimated time of Startup: April 21, 1993.
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: Mar. 4, 1993
Contact: G. E. Kane
Phone: (703) 894-2101

MONTH: February 1993

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	0	17	0
2	0	18	0
3	0	19	0
4	0	20	0
5	0	21	0
6	0	22	0
7	0	23	0
8	0	24	0
9	0	25	0
10	0	26	0
11	0	27	0
12	0	28	0
13	0		
14	0		
15	0		
16	0		

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: Mar. 4, 1993
CONTACT: G. E. Kane
PHONE: (703) 894-2101

REPORT MONTH: Feb. 1993

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
93-01	930104	S	672.0	C/H	1	N/A	N/A	N/A	Shutdown for refueling and replacement of Steam Generators.

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 February **Unit Name:** NA-1

Year: 1993 **Date:** Mar. 4, 1993

Contact: G. E. Kane

#93-01 January 4, 1993
Main generator taken off line at 1100 hours for a refueling and steam generator replacement outage.

NORTH ANNA POWER STATION

UNIT NO.: 1
MONTH: February

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
February 01, 1993	0000	Began month with unit defueled for a steam generator replacement outage.
February 28, 1993	2400	Ended month with unit remaining defueled. Old steam generators have been removed and placed in storage. New generators are in place with welding ongoing.

OPERATING DATA REPORT

DOCKET NO.: 50-339
DATE: March 4, 1993
CONTACT: G. E. Kane
PHONE: (703) 894-2101

OPERATING STATUS

1. Unit Name:.....North Anna 2
2. Reporting Period:.....February 1993
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	672.0	1,416.0	107,040.0
12. Number of Hours Reactor was Critical	672.0	1,416.0	88,460.2
13. Reactor Reserve Shutdown Hours	0.0	0.0	6,244.4
14. Hours Generator On-Line	672.0	1,416.0	87,429.1
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	1,943,126.8	4,094,726.0	236,219,490.5
17. Gross Electrical Energy Generated (MWH)	637,415.0	1,342,714.0	77,379,430.0
18. Net Electrical Energy Generated (MWH)	606,883.0	1,278,378.0	74,102,859.0
19. Unit Service Factor	100.0%	100.0%	81.7%
20. Unit Availability Factor	100.0%	100.0%	81.7%
21. Unit Capacity Factor (using MDC Net)	99.4%	99.3%	76.9%
22. Unit Capacity Factor (using DER Net)	99.6%	99.5%	76.3%
23. Forced Outage Rate	0.0%	0.0%	5.5%

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):Refueling outage, September 4, 1993, 60 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: Mar. 4, 1993
Contact: G. E. Kane
Phone: (703) 894-2101

MONTH: February 1993

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	903	17	905
2	903	18	903
3	904	19	899
4	904	20	904
5	904	21	903
6	904	22	903
7	904	23	902
8	904	24	903
9	904	25	901
10	903	26	901
11	904	27	901
12	903	28	902
13	903		
14	904		
15	905		
16	905		

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: Mar. 4, 1993
CONTACT: G. E. Kane
PHONE: (703) 894-2101

REPORT MONTH: Feb. 1993

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
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3: Method
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Exhibit H - Same Source

UNIT SHUTDOWN AND POWER REDUCTIONS
Explanation Sheet

Docket No.: 50-339

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

Year: 1993 **Date:** Mar. 4, 1993

Contact: G. E. Kane

*No entry this month.

NORTH ANNA POWER STATION

UNIT NO.: 2
MONTH: February

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
February 01, 1993	0000	Began month with unit at 100% power, 952 MWe.
Febraury 19, 1993	1302	Commence rampdown to 92% power for TVFT.
	1345	Unit stable at 92% power, 880 MWe.
	1438	Commenced ramp to 100% power following satisfactory completion of TVFT.
	1624	Unit stable at 100% power, 949 MWe.
February 28, 1993	2400	Ended month with unit at 100% power, 949 MWe.