VIRGINIA ELECTRIC AND POWER COMPANY
RICHMOND, VIRGINIA 23261

April 15, 1992

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

Serial No. 92-248
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 March 1992.

Very truly yours,

W. L. Stewart
Senior Vice President - Nuclear

Enclosures

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

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VIRGINIA POWER COMPANY
NORTH ANNA POWER STATION
MONTHLY OPERATING REPORT

MONTH: March YEAR: 1992

Approved:

Station Manager

OPERATING DATA REPORT

DOCKET NO.: 50-338
DATE: April 2, 1992
CONTACT: G. E. Kane
PHONE: (703) 894-2101

OPERATING STATUS

1. Unit Name:.....North Anna 1
2. Reporting Period:.....March 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: Licensed Thermal Power revised per Unit 1 T.S. Amendment 153 - effective 03/03/92. Maximum Dependable Capacities revised due to T.S. Amendment 153. The MDC changes are effective 03/05/92.

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	747.0	2,184.0	120,756.0
12. Number of Hours Reactor was Critical	642.3	642.3	87,330.8
13. Reactor Reserve Shutdown Hours	36.3	36.3	6,758.0
14. Hours Generator On-Line	625.2	625.2	84,396.7
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	1,568,086.9	1,568,086.9	224,520,859.3
17. Gross Electrical Energy Generated (MWH)	517,074.0	517,074.0	73,774,921.0
18. Net Electrical Energy Generated (MWH)	489,549.0	489,549.0	69,844,166.0
19. Unit Service Factor	84.0%	28.6%	69.9%
20. Unit Availability Factor	84.0%	28.6%	69.9%
21. Unit Capacity Factor (using MDC Net)	76.9%	25.1%	64.6%
22. Unit Capacity Factor (using DER Net)	72.5%	24.7%	63.8%
23. Forced Outage Rate	0.0%	0.0%	12.2%

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: April 2, 1992
Contact: G. E. Kane
Phone: (703) 894-2101

MONTH: March 1992

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY LEVEL LEVEL (MWe-Net)
1	0	17	865
2	0	18	866
3	0	19	867
4	0	20	866
5	5	21	864
6	222	22	865
7	231	23	865
8	277	24	864
9	734	25	865
10	858	26	864
11	864	27	842
12	862	28	821
13	856	29	855
14	862	30	863
15	867	31	864
16	865		

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: April 2, 1992
CONTACT: G. E. Kane
PHONE: (703) 894-2101

REPORT MONTH: March 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
92-01	920110	S	118.8	B	4	N/A	SB	SG	S/G inspections and maintenance planned.

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 March **Unit Name:** NA-1

Year: 1992 **Date:** April 2, 1992

Contact: G. E. Kane

#92-01 January 10, 1992
Unit in Mode 5 for planned inspection and maintenance of Steam Generators.

March 03, 1992
Unit entered Mode 4 at 1729 hours.

March 04, 1992
Unit entered Mode 3 at 0417 hours.

March 05, 1992
Unit entered Mode 2 at 0545 hours. Unit entered Mode 1 at 2049 hours. Main Generator placed on-line at 2248 hours.

March 10, 1992
Unit stable at 95% power, 900MWe at 0332 hours.

NORTH ANNA POWER STATION

UNIT NO.: 1
MONTH: March

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
March 01, 1992	0000	Began month with unit in Mode 5.
March 03, 1992	1729	Unit entered Mode 4.
March 04, 1992	0417	Unit entered Mode 3.
March 05, 1992	0545	Unit entered Mode 2.
	2049	Unit entered Mode 1.
	2248	Main generator placed on-line.
March 06, 1992	0010	Unit stable at approximately 30% power for Chemistry hold.
March 08, 1992	1533	Cleared chemistry hold. Commenced unit ramp-up.
March 09, 1992	0046	Unit stable at approximately 50% power, 435MWe, for AFD and QPTR determinations.
	0130	Commenced unit ramp-up.
	0555	Unit stable at approximately 86% power, 762MWe, for calorimetric.
	0830	Commenced unit ramp-up to 95% power.
	0907	Unit stable at 95% power (per Delta T), 852MWe.
March 10, 1992	0130	Commenced unit ramp-up to 95% calorimetric power.
	0332	Unit stable at 95% power, 900MWe.
March 27, 1992	1130	Commenced unit ramp-down to 90% power for condenser waterbox maintenance.
	1200	Unit stable at 90% power, 869MWe.

UNIT NO.: 1
MONTH: March

SUMMARY OF OPERATING EXPERIENCE

March 28, 1992	2334	Ramped unit down 50MWe due to decreasing condenser vacuum. Auxiliary Steam supply valve had been isolated.
March 29, 1992	0015	Returned unit to 90% power.
	0350	Commenced unit ramp-up to 95% power.
	0435	Unit stable at 95% power.
March 31, 1992	2400	Ended month with unit at 95% power, 907MWe.

OPERATING DATA REPORT

DOCKET NO.: 50-339
DATE: April 2, 1992
CONTACT: G. E. Kane
PHONE: (703) 894-2101

OPERATING STATUS

1. Unit Name:.....North Anna 2
2. Reporting Period:.....March 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	2,184.0	99,024.0
12. Number of Hours Reactor was Critical	0.0	1,347.1	81,083.0
13. Reactor Reserve Shutdown Hours	0.0	40.4	6,097.8
14. Hours Generator On-Line	0.0	1,331.2	80,105.6
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	0.0	3,431,941.1	215,249,074.2
17. Gross Electrical Energy Generated (MWH)	0.0	1,121,145.0	70,501,271.0
18. Net Electrical Energy Generated (MWH)	0.0	1,061,728.0	67,561,461.0
19. Unit Service Factor	0.0%	61.0%	80.9%
20. Unit Availability Factor	0.0%	61.0%	80.9%
21. Unit Capacity Factor (using MDC Net)	0.0%	53.5%	75.8%
22. Unit Capacity Factor (using DER Net)	0.0%	53.6%	75.2%
23. Forced Outage Rate	0.0%	2.0%	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: 04/24/92
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: April 2, 1992
Contact: G. E. Kane
Phone: (703) 894-2101

MONTH: March 1992

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY LEVEL 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	29	0
14	0	30	0
15	0	31	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.: 50-339
UNIT NAME: NA-2
DATE: April 2, 1992
CONTACT: G. E. Kane
PHONE: (703) 894-2101

REPORT MONTH: March 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
92-03	920226	S	744.0	C	4	N/A	N/A	N/A	Unit shutdown in preparation for refueling. S/G maintenance/inspection planned.

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

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Exhibit H - Same Source

UNIT SHUTDOWN AND POWER REDUCTIONS
Explanation Sheet

Docket No.: 50-339

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

Year: 1992 **Date:** April 2, 1992

Contact: G. E. Kane

#92-03 February 26, 1992
Main Generator taken off-line at 1413 hours in preparation for refueling outage. Unit entered Mode 3 at 1501 hours.

February 27, 1992
Unit entered Mode 4 at 0449 hours. Unit entered Mode 5 at 1930 hours.

March 07, 1992
Unit entered Mode 6 at 0522 hours.

March 14, 1992
Reactor defueled at 0640 hours.

March 23, 1992
Reactor fuel on-load commenced at 0633 hours.

March 26, 1992
Reactor fuel on-load completed at 0413 hours.

NORTH ANNA POWER STATION

UNIT NO.: 2
MONTH: March

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
March 01, 1992	2400	Began month with unit in Mode 5.
March 07, 1992	0522	Unit entered Mode 6.
March 14, 1992	0640	Reactor defueled.
March 23, 1992	0633	Reactor fuel on-load commenced.
March 26, 1992	0413	Reactor fuel on-load completed.
March 31, 1992	2400	Ended month with unit in Mode 6.