

VIRGINIA ELECTRIC AND POWER COMPANY
RICHMOND, VIRGINIA 23261

August 7, 1996

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

Serial No. 96-401
NAPS/JHL
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 July 1996 Monthly Operating Report for North Anna Power Station Unit 1 and 2.

Very truly yours,

DAH *and for*

W. R. Matthews
Station Manager

Enclosure

cc: U. S. Nuclear Regulatory Commission
Region II
101 Marietta Street, N. W.
Suite 2900
Atlanta, Georgia 30323

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

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PDR ADOCK 05000338
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VIRGINIA POWER COMPANY
NORTH ANNA POWER STATION
MONTHLY OPERATING REPORT

MONTH: July YEAR: 1996

Approved:

JRH

DAltma
Station Manager

OPERATING DATA REPORT

DOCKET NO.: 50-338
 DATE: August 5, 1996
 CONTACT: W. R. Matthews
 PHONE: (540) 894-2101

OPERATING STATUS

1. Unit Name:.....North Anna 1
2. Reporting Period:.....July 1996
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):.. 940
7. Maximum Dependable Capacity (Net MWe):.... 893

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	5,111.0	158,747.0
12. Number of Hours Reactor was Critical.....	744.0	4,410.5	121,596.9
13. Reactor Reserve Shutdown Hours.....	0.0	43.0	6,994.4
14. Hours Generator On-Line.....	744.0	4,382.7	118,570.2
15. Unit Reserve Shutdown Hours.....	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH).....	2,151,630.6	11,906,198.1	317,219,935.2
17. Gross Electrical Energy Generated (MWH).....	704,659.0	3,911,971.0	141,242,584.0
18. Net Electrical Energy Generated (MWH).....	669,434.0	3,712,951.0	98,754,105.0
19. Unit Service Factor.....	100.0%	85.8%	74.7%
20. Unit Availability Factor.....	100.0%	85.8%	74.7%
21. Unit Capacity Factor (using MDC Net).....	100.8%	81.4%	69.6%
22. Unit Capacity Factor (using DER Net).....	99.2%	80.1%	68.6%
23. Forced Outage Rate.....	0.0%	0.0%	9.0%

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: August 5, 1996
 Contact: W.R. Matthews
 Phone: (540) 894-2101

MONTH: July 1996

DAY AVERAGE DAILY POWER
 LEVEL (MWe-Net)

1	<u>898</u>
2	<u>899</u>
3	<u>900</u>
4	<u>901</u>
5	<u>902</u>
6	<u>901</u>
7	<u>900</u>
8	<u>899</u>
9	<u>900</u>
10	<u>900</u>
11	<u>900</u>
12	<u>891</u>
13	<u>900</u>
14	<u>902</u>
15	<u>901</u>
16	<u>900</u>

DAY AVERAGE DAILY POWER
 LEVEL (MWe-Net)

17	<u>900</u>
18	<u>899</u>
19	<u>900</u>
20	<u>901</u>
21	<u>902</u>
22	<u>900</u>
23	<u>900</u>
24	<u>900</u>
25	<u>899</u>
26	<u>900</u>
27	<u>899</u>
28	<u>900</u>
29	<u>899</u>
30	<u>899</u>
31	<u>900</u>

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: July

SUMMARY OF OPERATING EXPERIENCE

Page 1 of 1

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.

<u>Date</u>	<u>Time</u>	<u>Data</u>
July 01, 1996	0000	Began month with unit at 100% power, 947 MWe.
July 12, 1996	1032	Commenced ramp down from 100% power, 948 MWe for Turbine Valve Freedom Test (TVFT).
	1115	Unit stable at 92% power, 876 MWe.
	1255	Commenced ramp from 92% power to 100% power after completion of TVFT.
	1432	Unit stable at 100% power, 942 MWe.
July 31, 1996	2400	Ended month with unit stable at 100% power, 947 MWe.

UNIT SHUTDOWN AND POWER REDUCTIONS
Explanation Sheet

Docket No.: 50-338

Report Month July Unit Name: NA-1

Year: 1996 Date: August 5, 1996

Contact: W. R. Matthews

* No entry this month.

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH: July 1996

DOCKET NO.: 50-338
 UNIT NAME: NA-1
 DATE: August 5, 1996
 CONTACT: W. R. Matthews
 PHONE: (540) 894-2101

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

1: Type	2: Reason	3: Method	4:
F=Forced	A=Equipment Failure (explain)	1=Manual	Exhibit F - Instructions
S=Scheduled	B=Maintenance or Test	2=Manual Scram	for preparation of Data
	C=Refueling	3=Automatic Scram	Entry Sheets for Licensee
	D=Regulatory Restriction	4=Continuations	Event Report (LER) File
	E=Operator Training & License Examination	5=Load Reduction	(NUREG-0161)
	F=Administrative	9=Other	
	G=Operational Error		5:
	H=Other (explain)		Exhibit H - Same Source

OPERATING DATA REPORT

DOCKET NO.: 50-339
 DATE: August 5, 1996
 CONTACT: W. R. Matthews
 PHONE: (540) 894-2101

OPERATING STATUS

1. Unit Name:.....North Anna 2
2. Reporting Period:.....July 1996
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):.. 944
7. Maximum Dependable Capacity (Net MWe):.... 897

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	5,111.0	137,015.0
12. Number of Hours Reactor was Critical.....	744.0	5,111.0	115,168.6
13. Reactor Reserve Shutdown Hours.....	0.0	0.0	6,535.0
14. Hours Generator On-Line.....	744.0	5,111.0	114,034.1
15. Unit Reserve Shutdown Hours.....	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	2,152,004.1	14,782,438.9	310,759,677.6
17. Gross Electrical Energy Generated (MWH).....	703,761.0	4,858,140.0	101,689,558.0
18. Net Electrical Energy Generated (MWH).....	668,502.0	4,623,607.0	97,195,246.0
19. Unit Service Factor.....	100.0%	100.0%	83.2%
20. Unit Availability Factor.....	100.0%	100.0%	83.2%
21. Unit Capacity Factor (using MDC Net).....	100.2%	100.9%	78.9%
22. Unit Capacity Factor (using DER Net).....	99.1%	99.7%	78.2%
23. Forced Outage Rate.....	0.0%	0.0%	4.7%

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): Scheduled Refueling
Outage, September 7, 1996, duration = 30 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: August 5, 1996
 Contact: W.R. Matthews
 Phone: (540) 894-2101

MONTH: July 1996

DAY AVERAGE DAILY POWER
 LEVEL (MWe-Net)

1	<u>897</u>
2	<u>899</u>
3	<u>899</u>
4	<u>900</u>
5	<u>900</u>
6	<u>900</u>
7	<u>900</u>
8	<u>898</u>
9	<u>898</u>
10	<u>898</u>
11	<u>899</u>
12	<u>900</u>
13	<u>900</u>
14	<u>900</u>
15	<u>899</u>
16	<u>899</u>

DAY AVERAGE DAILY POWER
 LEVEL (MWe-Net)

17	<u>898</u>
18	<u>898</u>
19	<u>896</u>
20	<u>900</u>
21	<u>899</u>
22	<u>899</u>
23	<u>899</u>
24	<u>899</u>
25	<u>898</u>
26	<u>897</u>
27	<u>897</u>
28	<u>897</u>
29	<u>897</u>
30	<u>898</u>
31	<u>898</u>

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: July

SUMMARY OF OPERATING EXPERIENCE

Page 1 of 1

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.

<u>Date</u>	<u>Time</u>	<u>Data</u>
July 01, 1996	0000	Began month with unit stable at 100% power, 945 MWe.
July 19, 1996	0751	Commenced unit rampdown for Turbine Valve Freedom Test. Unit at 100% power, 943 MWe.
	0821	Unit stable at 91% power, 860 MWe.
	0837	Turbine Valve Freedom Test completed. Commenced ramp up from 91%, 860 MWe.
	0922	Unit stable at 100% power, 943 MWe.
July 31, 1996	2400	Ended month with unit stable at 100% power, 945 MWe.

UNIT SHUTDOWN AND POWER REDUCTIONS
Explanation Sheet

Docket No.: 50-339

Report Month July Unit Name: NA-2

Year: 1996 Date: August 5, 1996

Contact: W. R. Matthews

* No entry this month.

REPORT MONTH: July 1996

DOCKET NO.: 50-339
UNIT NAME: NA-2
DATE: August 5, 1996
CONTACT: W. R. Matthews
PHONE: (540) 894-2101

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

1: Type	2: Reason	3: Method	4:
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	C=Refueling	3=Automatic Scram	Entry Sheets for Licensee
	D=Regulatory Restriction	4=Continuations	Event Report (LER) File
	E=Operator Training & License Examination	5=Load Reduction	(NUREG-0161)
	F=Administrative	9=Other	
	G=Operational Error		5:
	H=Other (explain)		Exhibit H - Same Source