

VIRGINIA ELECTRIC AND POWER COMPANY  
RICHMOND, VIRGINIA 23261

September 11, 1995

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

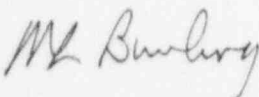
Serial No. 95-468  
NL&P/JHL/CMC  
Docket Nos. 50-338  
50-339  
License Nos. NPF-4  
NPF-7

Gentlemen:

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

Enclosed is the August 1995 Monthly Operating Report for North Anna Power Station Units 1 and 2.

Very truly yours,



M. L. Bowling, Manager  
Nuclear-Licensing and Operations Support

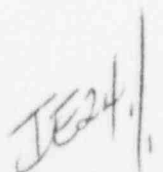
Enclosure

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

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VIRGINIA POWER COMPANY  
NORTH ANNA POWER STATION  
MONTHLY OPERATING REPORT

MONTH: August YEAR: 1995

Approved:



Station Manager

JRA

OPERATING DATA REPORT

DOCKET NO.: 50-338  
 DATE: September 5, 1995  
 CONTACT: J. A. Stall  
 PHONE: (703) 894-2101

OPERATING STATUS

1. Unit Name:.....North Anna 1
2. Reporting Period:.....August 1995
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

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9. Power level to which restricted, if any (Net MWe):   N/A
10. Reasons for restrictions, if any:   N/A

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	This Month	Y-t-D	Cumulative
11. Hours in Reporting Period.....	744.0	5,831.0	150,707.0
12. Number of Hours Reactor was Critical.....	744.0	5,809.6	114,257.4
13. Reactor Reserve Shutdown Hours.....	0.0	20.9	6,951.4
14. Hours Generator On-Line.....	744.0	5,804.8	111,258.5
15. Unit Reserve Shutdown Hours.....	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH).....	2,151,417.0	16,723,700.5	296,909,280.4
17. Gross Electrical Energy Generated (MWH).....	701,278.0	5,490,947.0	97,566,567.0
18. Net Electrical Energy Generated (MWH).....	666,123.0	5,221,815.0	92,424,101.0
19. Unit Service Factor.....	100.0%	99.6%	73.8%
20. Unit Availability Factor.....	100.0%	99.6%	73.8%
21. Unit Capacity Factor (using MDC Net).....	100.3%	99.7%	68.6%
22. Unit Capacity Factor (using DER Net).....	98.7%	98.7%	67.6%
23. Forced Outage Rate.....	0.0%	0.4%	9.5%

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

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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: September 5, 1995  
 Contact J. A. Stall  
 Phone: (703) 894-2101

MONTH: August 1995

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>894</u>	17	<u>894</u>
2	<u>894</u>	18	<u>895</u>
3	<u>894</u>	19	<u>895</u>
4	<u>895</u>	20	<u>895</u>
5	<u>894</u>	21	<u>896</u>
6	<u>894</u>	22	<u>895</u>
7	<u>895</u>	23	<u>897</u>
8	<u>897</u>	24	<u>897</u>
9	<u>897</u>	25	<u>885</u>
10	<u>896</u>	26	<u>897</u>
11	<u>897</u>	27	<u>897</u>
12	<u>896</u>	28	<u>897</u>
13	<u>895</u>	29	<u>898</u>
14	<u>895</u>	30	<u>898</u>
15	<u>895</u>	31	<u>897</u>
16	<u>894</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: August

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>
August 01, 1995	0000	Began month with unit at 100% power, 942 MWe.
August 04, 1995	0800	Commenced unit ramp-down for Turbine Valve Freedom Test. Unit at 100% power, 942 MWe.
	0832	Unit stable at 92% power, 869 MWe.
	0944	Commenced unit ramp-up following Turbine Valve Freedom Test. Unit at 92% power, 869 MWe.
	1012	Unit stable at 100% power, 945 MWe.
August 25, 1995	0819	Commenced unit ramp-down for Turbine Valve Freedom Test. Unit at 100% power, 946 MWe.
	0847	Stabilized unit and secured ramp-down due to cycling of 1-CH-P-2B. Unit at 98% power, 926 MWe.
	1044	Re-commenced unit ramp-down for Turbine Valve Freedom Test. Unit at 98% power, 926 MWe.
	1130	Unit stable at 91% power, 865 MWe. Secured ramp-down.
	1327	Commenced unit ramp-up following Turbine Valve Freedom Test. Unit at 91% power, 865 MWe.
	1433	Unit stable at 100% power, 945 MWe.
August 31, 1995	2400	Ended month with unit at 100% power, 944 MWe.

UNIT SHUTDOWN AND POWER REDUCTIONS  
Explanation Sheet

Docket No.: 50-338

Report Month August Unit Name: NA-1

Year: 1995 Date: September 5, 1995

Contact: J. A. Stall

\* No entry this month.

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO.: 50-338  
 UNIT NAME: NA-1  
 DATE: September 5, 1995  
 CONTACT: J. A. Stall  
 PHONE: (703) 894-2101

REPORT MONTH: August 1995

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
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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: September 5, 1995  
 CONTACT: J. A. Stall  
 PHONE: (703) 894-2101

OPERATING STATUS

1. Unit Name:.....North Anna 2
2. Reporting Period:.....August 1995
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      

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9. Power level to which restricted, if any (Net MWe):       N/A      

10. Reasons for restrictions, if any:       N/A      

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	This Month	Y-t-D	Cumulative
11. Hours in Reporting Period.....	744.0	5,831.0	128,975.0
12. Number of Hours Reactor was Critical.....	744.0	4,220.7	107,154.2
13. Reactor Reserve Shutdown Hours.....	0.0	1.3	6,510.2
14. Hours Generator On-Line.....	744.0	4,188.9	106,024.6
15. Unit Reserve Shutdown Hours.....	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH) .....	2,138,129.4	11,004,801.4	287,620,765.4
17. Gross Electrical Energy Generated (MWH).....	701,405.0	3,598,834.0	94,075,691.0
18. Net Electrical Energy Generated (MWH).....	666,274.0	3,409,500.0	89,949,468.0
19. Unit Service Factor.....	100.0%	71.8%	82.2%
20. Unit Availability Factor.....	100.0%	71.8%	82.2%
21. Unit Capacity Factor (using MDC Net).....	99.8%	65.7%	77.5%
22. Unit Capacity Factor (using DER Net).....	98.7%	64.5%	76.9%
23. Forced Outage Rate.....	0.0%	0.0%	5.0%

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

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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: September 5, 1995  
 Contact J. A. Stall  
 Phone: (703) 894-2101

MONTH: August 1995

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>901</u>	17	<u>900</u>
2	<u>900</u>	18	<u>900</u>
3	<u>899</u>	19	<u>901</u>
4	<u>895</u>	20	<u>902</u>
5	<u>900</u>	21	<u>902</u>
6	<u>900</u>	22	<u>902</u>
7	<u>902</u>	23	<u>903</u>
8	<u>726</u>	24	<u>903</u>
9	<u>886</u>	25	<u>903</u>
10	<u>903</u>	26	<u>903</u>
11	<u>903</u>	27	<u>903</u>
12	<u>902</u>	28	<u>904</u>
13	<u>902</u>	29	<u>905</u>
14	<u>901</u>	30	<u>904</u>
15	<u>901</u>	31	<u>904</u>
16	<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.: 2  
 MONTH: August

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>
August 01, 1995	0000	Began month with unit stable at 100% power, 950 MWe.
August 04, 1995	0800	Commenced unit ramp-down for Turbine Valve Freedom Test. Unit at 100% power, 942 MWe.
	0832	Unit stable at 92% power, 869 MWe.
	0944	Commenced unit ramp-up following Turbine Valve Freedom Test. Unit at 92% power, 869 MWe.
	1012	Unit stable at 100% power, 945 MWe.
August 08, 1995	0200	Commenced unit ramp-down for waterbox maintenance. Unit at 100% power, 949 MWe.
	0258	Unit stable at 84% power, 800 MWe.
August 09, 1995	0142	Commenced unit ramp-up following waterbox maintenance. Unit at 80% power, 770 MWe.
	0255	Unit stable at 100% power, 948 MWe.
August 31, 1995	2400	Ended month with unit stable at 100% power, 951 MWe.

UNIT SHUTDOWN AND POWER REDUCTIONS  
Explanation Sheet

Docket No.: 50-339

Report Month August Unit Name: NA-2

Year: 1995 Date: September 5, 1995

Contact: J. A. Stall

\* No Entry This Month

REPORT MONTH: August 1995

DOCKET NO.: 50-339  
UNIT NAME: NA-2  
DATE: September 5, 1995  
CONTACT: J. A. Stall  
PHONE: (703) 894-2101

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
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\*No Entries This Month

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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