

VIRGINIA ELECTRIC AND POWER COMPANY  
RICHMOND, VIRGINIA 23261

October 12, 1994

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

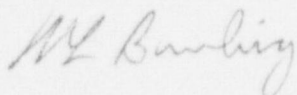
Serial No. 94-588  
NL&P/GSS R0  
Docket Nos. 50-338  
50-339  
License Nos. NPF-4  
NF -7

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 September 1994.

Very truly yours,



M. L. Bowling, Manager  
Nuclear Licensing and Programs

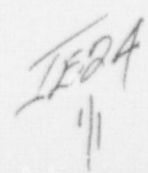
Enclosure

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

190030


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VIRGINIA POWER COMPANY  
NORTH ANNA POWER STATION  
MONTHLY OPERATING REPORT

MONTH: September YEAR: 1994

Approved:



Station Manager



OPERATING DATA REPORT

DOCKET NO.: 50-338  
 DATE: October 5, 1994  
 CONTACT: J. A. Stall  
 PHONE: (703) 894-2101

OPERATING STATUS

1. Unit Name:.....North Anna 1
2. Reporting Period:.....September 1994
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):.. 948
7. Maximum Dependable Capacity (Net MWe):.... 900

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.....	720.0	6,551.0	142,667.0
12. Number of Hours Reactor was Critical.....	192.4	6,023.4	106,429.1
13. Reactor Reserve Shutdown Hours.....	27.2	27.2	6,854.0
14. Hours Generator On-Line.....	192.3	6,023.3	103,464.2
15. Unit Reserve Shutdown Hours.....	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH).....	319,002.3	16,131,433.7	274,583,670.1
17. Gross Electrical Energy Generated (MWH).....	100,865.0	5,314,195.0	90,229,552.0
18. Net Electrical Energy Generated (MWH).....	92,503.0	5,038,866.0	85,445,451.0
19. Unit Service Factor.....	26.7%	91.9%	72.5%
20. Unit Availability Factor.....	26.7%	91.9%	72.5%
21. Unit Capacity Factor (using MDC Net).....	14.3%	85.5%	67.0%
22. Unit Capacity Factor (using DER Net).....	14.2%	84.8%	66.0%
23. Forced Outage Rate.....	0.0%	0.0%	10.2%

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each) Refueling, 09/09/94, 31 days

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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: October 5, 1994  
 Contact: J. A. Stall  
 Phone: (703) 894-2101

MONTH: September 1994

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>505</u>	17	<u>0</u>
2	<u>484</u>	18	<u>0</u>
3	<u>466</u>	19	<u>0</u>
4	<u>485</u>	20	<u>0</u>
5	<u>484</u>	21	<u>0</u>
6	<u>483</u>	22	<u>0</u>
7	<u>481</u>	23	<u>0</u>
8	<u>445</u>	24	<u>0</u>
9	<u>15</u>	25	<u>0</u>
10	<u>0</u>	26	<u>0</u>
11	<u>0</u>	27	<u>0</u>
12	<u>0</u>	28	<u>0</u>
13	<u>0</u>	29	<u>0</u>
14	<u>0</u>	30	<u>0</u>
15	<u>0</u>		
16	<u>0</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: September

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>
September 01, 1994	0000	Began month with unit at 60.3% power, 550 MWe in a power coastdown for upcoming refueling outage.
September 09, 1994	0017	Main Generator taken off-line for refueling outage.
	0025	Unit entered Mode 3.
	1000	Unit entered Mode 4.
September 10, 1994	0335	Unit entered Mode 5.
September 14, 1994	0042	Unit entered Mode 6.
September 18, 1994	1430	Unit defueled.
September 24, 1994	1500	Unit entered Mode 6.
September 29, 1994	1717	Unit entered Mode 5.
September 30, 1994	2400	Ended month with unit in Mode 5.

UNIT SHUTDOWN AND POWER REDUCTIONS  
Explanation Sheet

Docket No.: 50-338

Report Month September Unit Name: NA-1

Year: 1994 Date: October 5, 1994

Contact: J. A. Stall

#94-06      September 09, 1994  
Unit manually taken off-line at 0017 hours and shutdown  
for normally scheduled refueling outage.

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO.: 50-338  
 UNIT NAME: NA-1  
 DATE: October 5, 1994  
 CONTACT: J. A. Stall  
 PHONE: (703) 894-2101

REPORT MONTH: September 1994

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
94-06	940909	S	527.7	C	1	N/A	N/A	N/A	

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: October 5, 1994  
 CONTACT: J. A. Stall  
 PHONE: (703) 894-2101

OPERATING STATUS

1. Unit Name:.....North Anna 2
2. Reporting Period:.....September 1994
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):.. 935
7. Maximum Dependable Capacity (Net MWe):.... 887

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.....	720.0	6,551.0	120,935.0
12. Number of Hours Reactor was Critical.....	720.0	6,350.9	100,724.5
13. Reactor Reserve Shutdown Hours.....	0.0	95.7	6,508.9
14. Hours Generator On-Line.....	720.0	6,309.3	99,626.7
15. Unit Reserve Shutdown Hours.....	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH) .....	2,070,988.9	18,002,360.9	270,228,018.6
17. Gross Electrical Energy Generated (MWH).....	665,603.0	5,814,703.0	88,410,179.0
18. Net Electrical Energy Generated (MWH).....	631,619.0	5,524,257.0	84,573,958.0
19. Unit Service Factor.....	100.0%	96.3%	82.4%
20. Unit Availability Factor.....	100.0%	96.3%	82.4%
21. Unit Capacity Factor (using MDC Net).....	98.9%	95.1%	77.7%
22. Unit Capacity Factor (using DER Net).....	96.7%	93.0%	77.1%
23. Forced Outage Rate.....	0.0%	3.7%	5.3%

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): Refueling/Steam Generator Replacement, 03/11/95, 105 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: October 5, 1994  
 Contact: J. A. Stall  
 Phone: (703) 894-2101

MONTH: September 1994

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>884</u>	17	<u>884</u>
2	<u>886</u>	18	<u>882</u>
3	<u>799</u>	19	<u>881</u>
4	<u>803</u>	20	<u>881</u>
5	<u>887</u>	21	<u>882</u>
6	<u>886</u>	22	<u>881</u>
7	<u>885</u>	23	<u>882</u>
8	<u>885</u>	24	<u>882</u>
9	<u>882</u>	25	<u>882</u>
10	<u>881</u>	26	<u>881</u>
11	<u>882</u>	27	<u>882</u>
12	<u>882</u>	28	<u>882</u>
13	<u>882</u>	29	<u>882</u>
14	<u>882</u>	30	<u>883</u>
15	<u>881</u>		
16	<u>882</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: September

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>
September 01, 1994	0000	Began month with unit at 100% power, 930 MWe.
September 03, 1994	0227	Commenced unit ramp-down for TVFT.
	0300	Unit stable at 91.5% power, 850 MWe for TVFT.
September 04, 1994	1825	TVFT completed satisfactorily.
	1829	Commenced unit ramp-up to 100% power.
	1932	Unit stable at 100% power, 931 MWe.
September 30, 1994	2400	Ended month with unit at 100% power, 930 MWe.

UNIT SHUTDOWN AND POWER REDUCTIONS  
Explanation Sheet

Docket No.: 50-339

Report Month September Unit Name: NA-2

Year: 1994 Date: October 5, 1994

Contact: J. A. Stall

\*No entry this month.

REPORT MONTH: September 1994

DOCKET NO.: 50-339  
UNIT NAME: NA-2  
DATE: October 5, 1994  
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 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