

VIRGINIA ELECTRIC AND POWER COMPANY
RICHMOND, VIRGINIA 23261

January 10, 1996

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

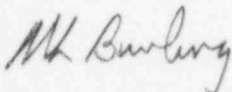
Serial No. 96-010
NL&OS/JHL/CMC
Docket Nos. 50-338
50-339
License Nos. NPF-4
NPF-7

Gentlemen:

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

Enclosed is the December 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: December YEAR: 1995

Approved:

JRH

JRH
Station Manager

OPERATING DATA REPORT

DOCKET NO.: 50-338
 DATE: January 5, 1996
 CONTACT: J. A. Stall
 PHONE: (540) 894-2101

OPERATING STATUS

1. Unit Name:.....North Anna 1
2. Reporting Period:.....December 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

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	8,760.0	153,636.0
12. Number of Hours Reactor was Critical.....	744.0	8,738.6	117,186.4
13. Reactor Reserve Shutdown Hours.....	0.0	20.9	6,951.4
14. Hours Generator On-Line.....	744.0	8,733.8	114,187.5
15. Unit Reserve Shutdown Hours.....	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH).....	2,084,982.1	25,128,157.2	305,313,737.1
17. Gross Electrical Energy Generated (MWH).....	682,434.0	8,242,715.0	100,318,335.0
18. Net Electrical Energy Generated (MWH).....	648,964.0	7,838,868.0	95,041,154.0
19. Unit Service Factor.....	100.0%	99.7%	74.3%
20. Unit Availability Factor.....	100.0%	99.7%	74.3%
21. Unit Capacity Factor (using MDC Net).....	97.7%	99.8%	69.2%
22. Unit Capacity Factor (using DER Net).....	96.2%	98.7%	68.2%
23. Forced Outage Rate.....	0.0%	0.3%	9.3%

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): Refueling Outage Scheduled for February 10, 1996, Duration 29 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.: 50-338
 Unit: NA-1
 Date: January 5, 1996
 Contact: J. A. Stall
 Phone: (540) 894-2101

MONTH: December 1995

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>894</u>	17	<u>879</u>
2	<u>901</u>	18	<u>877</u>
3	<u>901</u>	19	<u>873</u>
4	<u>901</u>	20	<u>871</u>
5	<u>900</u>	21	<u>868</u>
6	<u>900</u>	22	<u>856</u>
7	<u>900</u>	23	<u>838</u>
8	<u>900</u>	24	<u>838</u>
9	<u>901</u>	25	<u>835</u>
10	<u>900</u>	26	<u>832</u>
11	<u>900</u>	27	<u>829</u>
12	<u>900</u>	28	<u>826</u>
13	<u>899</u>	29	<u>814</u>
14	<u>899</u>	30	<u>806</u>
15	<u>899</u>	31	<u>804</u>
16	<u>896</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: December

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>
December 01, 1995	0000	Began month with unit at 100% power, 944 MWe.
	1125	Commenced ramp from 100% power, 944 MWe to perform Turbine Valve Freedom Test (TVFT).
	1210	Unit stable at 91% power, 870 MWe.
	1258	TVFT completed satisfactorily.
	1313	Commenced unit ramp to 100% power from 91% power, 867 MWe.
	1419	Unit stable at 100% power, 945 MWe.
December 15, 1995	1500	Commenced End of Life coastdown for February 1996 Refueling Outage.
December 31, 1995	2400	Ended month with unit at 89.4% power, 849 MWe. Several small unit ramp-downs (<5% power each) have occurred during this month to match Tave and Tref during end-of-cycle coastdown and are not individually recorded in this report.

UNIT SHUTDOWN AND POWER REDUCTIONS
Explanation Sheet

Docket No.: 50-338

Report Month December Unit Name: NA-1

Year: 1995 Date: January 5, 1996

Contact: J. A. Stall

* No entry this month.

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO.: 50-338
 UNIT NAME: NA-1
 DATE: January 5, 1996
 CONTACT: J. A. Stall
 PHONE: (540) 894-2101

REPORT MONTH: December 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: January 5, 1996
 CONTACT: J. A. Stall
 PHONE: (540) 894-2101

OPERATING STATUS

- 1. Unit Name:.....North Anna 2
- 2. Reporting Period:.....December 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 _____

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	8,760.0	131,904.0
12. Number of Hours Reactor was Critical.....	744.0	7,124.1	110,057.6
13. Reactor Reserve Shutdown Hours.....	0.0	26.1	6,535.0
14. Hours Generator On-Line.....	744.0	7,087.4	108,923.1
15. Unit Reserve Shutdown Hours.....	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	2,150,951.2	19,361,274.7	295,977,238.7
17. Gross Electrical Energy Generated (MWH).....	709,995.0	6,354,561.0	96,831,418.0
18. Net Electrical Energy Generated (MWH).....	676,339.0	6,031,671.0	92,571,639.0
19. Unit Service Factor.....	100.0%	80.9%	82.6%
20. Unit Availability Factor.....	100.0%	80.9%	82.6%
21. Unit Capacity Factor (using MDC Net).....	101.3%	77.2%	78.0%
22. Unit Capacity Factor (using DER Net).....	100.2%	75.9%	77.4%
23. Forced Outage Rate.....	0.0%	0.4%	4.9%

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: _____ 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: January 5, 1996
 Contact: J. A. Stall
 Phone: (540) 894-2101

MONTH: December 1995

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>911</u>	17	<u>907</u>
2	<u>911</u>	18	<u>909</u>
3	<u>911</u>	19	<u>910</u>
4	<u>911</u>	20	<u>912</u>
5	<u>910</u>	21	<u>912</u>
6	<u>910</u>	22	<u>910</u>
7	<u>909</u>	23	<u>911</u>
8	<u>909</u>	24	<u>911</u>
9	<u>901</u>	25	<u>912</u>
10	<u>911</u>	26	<u>912</u>
11	<u>910</u>	27	<u>910</u>
12	<u>910</u>	28	<u>908</u>
13	<u>909</u>	29	<u>908</u>
14	<u>909</u>	30	<u>908</u>
15	<u>893</u>	31	<u>908</u>
16	<u>907</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: December

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>
December 01, 1995	0000	Began month with unit stable at 100% power, 955 MWe.
December 08, 1995	2320	Commenced ramping unit from 100% power, 953 MWe to allow removal of 2-FW-E-1B relief valve.
December 09, 1995	0100	Unit stable at 99% power, 935 MWe.
	1347	Feedwater heater, 2-FW-E-1B, returned to service. Commenced ramp to 100% power.
	1400	Unit stable at 100% power, 954 MWe.
December 15, 1995	0907	Commenced ramping unit from 100% power, 953 MWe for Turbine valve Freedom Test (TVFT).
	0940	Unit stable at 90% power, 855 MWe.
	1046	TVFT Completed satisfactorily.
	1324	Commenced ramping unit from 90% power, 871 MWe to 100% power.
	1441	Unit stable at 100% power, 953 MWe.
December 31, 1995	2400	Ended month with unit stable at 100% power, 957 MWe.

UNIT SHUTDOWN AND POWER REDUCTIONS
Explanation Sheet

Docket No.: 50-339

Report Month December Unit Name: NA-2

Year: 1995 Date: January 5, 1996

Contact: J. A. Stall

* No entry this month.

REPORT MONTH: December 1995

DOCKET NO.: 50-339
UNIT NAME: NA-2
DATE: January 5, 1996
CONTACT: J. A. Stall
PHONE: (540) 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:
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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