

VIRGINIA ELECTRIC AND POWER COMPANY
RICHMOND, VIRGINIA 23261

November 8, 1995

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

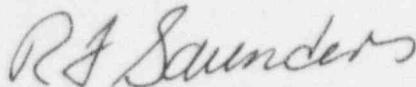
Serial No. 95-580
NL&OS/JHL/CMC
Docket Nos. 50-338
50-339
License Nos. NPF-4
NPF-7

Gentlemen:

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

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

Very truly yours,



R. F. Saunders
Vice President-Nuclear Operations

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: October YEAR: 1995

Approved:

JET WRM
Station Manager

OPERATING DATA REPORT

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

OPERATING STATUS

- 1. Unit Name:.....North Anna 1
- 2. Reporting Period:.....October 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.....	745.0	7,296.0	152,172.0
12. Number of Hours Reactor was Critical.....	745.0	7,274.6	115,722.4
13. Reactor Reserve Shutdown Hours.....	0.0	20.9	6,951.4
14. Hours Generator On-Line.....	745.0	7,269.8	112,723.5
15. Unit Reserve Shutdown Hours.....	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH).....	2,154,437.2	20,960,264.4	301,145,844.3
17. Gross Electrical Energy Generated (MWH).....	706,678.0	6,878,827.0	98,954,447.0
18. Net Electrical Energy Generated (MWH).....	671,999.0	6,541,165.0	93,743,451.0
19. Unit Service Factor.....	100.0%	99.6%	74.1%
20. Unit Availability Factor.....	100.0%	99.6%	74.1%
21. Unit Capacity Factor (using MDC Net).....	101.0%	99.9%	68.9%
22. Unit Capacity Factor (using DER Net).....	99.5%	98.8%	67.9%
23. Forced Outage Rate.....	0.0%	0.4%	9.4%

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): Refueling Outage Scheduled for February 10, 1995, Duration 34 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: November 5, 1995
 Contact: J. A. Stall
 Phone: (703) 894-2101

MONTH: October 1995

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>902</u>	17	<u>904</u>
2	<u>902</u>	18	<u>905</u>
3	<u>901</u>	19	<u>901</u>
4	<u>901</u>	20	<u>902</u>
5	<u>901</u>	21	<u>902</u>
6	<u>901</u>	22	<u>901</u>
7	<u>901</u>	23	<u>901</u>
8	<u>901</u>	24	<u>901</u>
9	<u>902</u>	25	<u>902</u>
10	<u>904</u>	26	<u>901</u>
11	<u>904</u>	27	<u>894</u>
12	<u>904</u>	28	<u>903</u>
13	<u>904</u>	29	<u>902</u>
14	<u>904</u>	30	<u>902</u>
15	<u>905</u>	31	<u>902</u>
16	<u>903</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: October

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>
October 01, 1995	0000	Began month with unit at 100% power, 948 MWe.
October 27, 1995	0918	Commenced power reduction from 100%, 948 MWe for Turbine Valve Freedom Test (TVFT).
	1004	Unit stable at 93% power, 875 MWe for TVFT.
	1111	Completed TVFT satisfactorily.
	1133	Commenced ramp up to 100% power from 92% power, 873 MWe.
	1245	Unit stable at 100% power, 944 MWe.
October 31, 1995	2400	Ended month with unit at 100% power, 947 MWe.

UNIT SHUTDOWN AND POWER REDUCTIONS
Explanation Sheet

Docket No.: 50-338

Report Month October Unit Name: NA-1

Year: 1995 Date: November 5, 1995

Contact: J. A. Stall

* No entry this month.

UNIT SHUTDOWNS AND POWER REDUCTIONS

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

REPORT MONTH: October 1 1995

No.	Date	1 Type	Duration (hrs)	2 Reason	3 Method of Shutting Down Reactor	Licensee Event Report #	4 System Code	Component Code	5	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: November 5, 1995
 CONTACT: J. A. Stall
 PHONE: (703) 894-2101

OPERATING STATUS

- 1. Unit Name:.....North Anna 2
- 2. Reporting Period:.....October 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.....	745.0	7,296.0	130,440.0
12. Number of Hours Reactor was Critical.....	745.0	5,685.7	108,619.2
13. Reactor Reserve Shutdown Hours.....	0.0	1.3	6,510.2
14. Hours Generator On-Line.....	745.0	5,653.9	107,489.6
15. Unit Reserve Shutdown Hours.....	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	2,149,192.2	15,236,340.1	291,852,304.1
17. Gross Electrical Energy Generated (MWH).....	708,837.0	4,993,762.0	95,470,619.0
18. Net Electrical Energy Generated (MWH).....	674,144.0	4,735,881.0	91,275,849.0
19. Unit Service Factor.....	100.0%	77.5%	82.4%
20. Unit Availability Factor.....	100.0%	77.5%	82.4%
21. Unit Capacity Factor (using MDC Net).....	100.9%	72.8%	77.8%
22. Unit Capacity Factor (using DER Net).....	99.8%	71.6%	77.2%
23. Forced Outage Rate.....	0.0%	0.0%	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: November 5, 1995
 Contact: J. A. Stall
 Phone: (703) 894-2101

MONTH: October 1995

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>910</u>	17	<u>906</u>
2	<u>909</u>	18	<u>907</u>
3	<u>908</u>	19	<u>909</u>
4	<u>908</u>	20	<u>909</u>
5	<u>908</u>	21	<u>909</u>
6	<u>841</u>	22	<u>909</u>
7	<u>884</u>	23	<u>909</u>
8	<u>907</u>	24	<u>909</u>
9	<u>906</u>	25	<u>910</u>
10	<u>905</u>	26	<u>909</u>
11	<u>905</u>	27	<u>909</u>
12	<u>904</u>	28	<u>910</u>
13	<u>905</u>	29	<u>910</u>
14	<u>905</u>	30	<u>910</u>
15	<u>906</u>	31	<u>911</u>
16	<u>905</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: October

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>
October 01, 1995	0000	Began month with unit stable at 100% power, 954 MWe.
October 06, 1995	0738	Commenced unit ramp down for Turbine Valve Freedom Test (TVFT) from 100% power, 946 MWe.
	0809	Unit stable at 90% power, 862 MWe.
	0900	Completed TVFT satisfactorily. Holding power at 90% for Condenser Waterbox inspections.
October 07, 1995	0418	Commenced unit ramp following "A" Condenser Waterbox maintenance from 90% power, 854 Mwe. One tube was plugged.
	0517	Stopped ramp at 98% power, 924 Mwe for calorimetric.
	0625	Commenced ramp to 100% power.
	0647	Unit stable at 100% power, 947 Mwe.
October 31, 1995	2400	Ended month with unit stable at 100% power, 959 Mwe.

UNIT SHUTDOWN AND POWER REDUCTIONS
Explanation Sheet

Docket No.: 50-339

Report Month October Unit Name: NA-2

Year: 1995 Date: November 5, 1995

Contact: J. A. Stall

* No Entry This Month

REPORT MONTH: October 1 1995

DOCKET NO.: 50-339
UNIT NAME: NA-2
DATE: November 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 Entry This Month

1: Type	2: Reason	3: Method	4:
F=Forced	A=Equipment Failure (explain)	1=Manual	Exhibit F - Instructions
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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