

VIRGINIA ELECTRIC AND POWER COMPANY
RICHMOND, VIRGINIA 23261

October 9, 1995

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

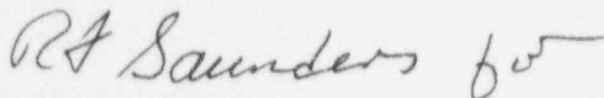
Serial No. 95-513
NL&OS/JHL/CMC
Docket Nos. 50-338
50-339
License Nos. NPF-4
NPF-7

Gentlemen:

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

Enclosed is the September 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

160015

9510160012 950930
PDR ADOCK 05000338
R PDR

IERA
11

VIRGINIA POWER COMPANY
NORTH ANNA POWER STATION
MONTHLY OPERATING REPORT

MONTH: September YEAR: 1995

Approved:

WRutledge
Station Manager
JA

OPERATING DATA REPORT

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

OPERATING STATUS

1. Unit Name:.....North Anna 1
2. Reporting Period:.....September 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.....	720.0	6,551.0	151,427.0
12. Number of Hours Reactor was Critical.....	720.0	6,529.6	114,977.4
13. Reactor Reserve Shutdown Hours.....	0.0	20.9	6,951.4
14. Hours Generator On-Line.....	720.0	6,524.8	111,978.5
15. Unit Reserve Shutdown Hours.....	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH).....	2,082,126.7	18,805,827.2	298,991,407.1
17. Gross Electrical Energy Generated (MWH).....	681,202.0	6,172,149.0	98,247,769.0
18. Net Electrical Energy Generated (MWH).....	647,351.0	5,869,166.0	93,071,452.0
19. Unit Service Factor.....	100.0%	99.6%	73.9%
20. Unit Availability Factor.....	100.0%	99.6%	73.9%
21. Unit Capacity Factor (using MDC Net).....	100.7%	99.8%	68.8%
22. Unit Capacity Factor (using DER Net).....	99.1%	98.8%	67.8%
23. Forced Outage Rate.....	0.0%	0.4%	9.5%

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

MONTH: September 1995

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>897</u>
2	<u>899</u>
3	<u>899</u>
4	<u>899</u>
5	<u>898</u>
6	<u>898</u>
7	<u>898</u>
8	<u>898</u>
9	<u>897</u>
10	<u>898</u>
11	<u>898</u>
12	<u>899</u>
13	<u>898</u>
14	<u>898</u>
15	<u>898</u>
16	<u>899</u>

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	<u>900</u>
18	<u>900</u>
19	<u>901</u>
20	<u>900</u>
21	<u>900</u>
22	<u>889</u>
23	<u>900</u>
24	<u>901</u>
25	<u>901</u>
26	<u>902</u>
27	<u>902</u>
28	<u>902</u>
29	<u>902</u>
30	<u>902</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, 1995	0000	Began month with unit at 100% power, 944 MWe.
September 22, 1995	0855	Commenced unit ramp from 100% power, 947 MWe to 90% power for Turbine Valve Freedom Test (TVFT).
	0945	Stabilized at 90% power, 865 MWe.
	1100	TVFT completed satisfactorily.
	1122	Commenced ramp from 90% power to 100% power.
	1327	Unit stable at 100% power, 940 MWe.
September 30, 1995	2400	Ended month with unit at 100% power, 948 MWe.

UNIT SHUTDOWN AND POWER REDUCTIONS
Explanation Sheet

Docket No.: 50-338

Report Month September Unit Name: NA-1

Year: 1995 Date: October 5, 1995

Contact: J. A. Stall

* No entry this month.

REPORT MONTH: September 1995

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

No.	Date	1 Type	2 Duration (hrs)	3 Reason	4 Method of Shutting Down Reactor	5 Licensee Event Report #	6 System Code	7 Component Code	Cause & Corrective Action to Prevent Recurrence
-----	------	-----------	------------------------	-------------	--	------------------------------------	---------------------	------------------------	---

UNIT SHUTDOWNS AND POWER REDUCTIONS

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

OPERATING STATUS

1. Unit Name:.....North Anna 2
2. Reporting Period:.....September 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.....	720.0	6,551.0	129,695.0
12. Number of Hours Reactor was Critical.....	720.0	4,940.7	107,874.2
13. Reactor Reserve Shutdown Hours.....	0.0	1.3	6,510.2
14. Hours Generator On-Line.....	720.0	4,908.9	106,744.6
15. Unit Reserve Shutdown Hours.....	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	2,082,346.5	13,087,147.9	289,703,111.9
17. Gross Electrical Energy Generated (MWH).....	686,091.0	4,284,925.0	94,761,782.0
18. Net Electrical Energy Generated (MWH).....	652,237.0	4,061,737.0	90,601,705.0
19. Unit Service Factor.....	100.0%	74.9%	82.3%
20. Unit Availability Factor.....	100.0%	74.9%	82.3%
21. Unit Capacity Factor (using MDC Net).....	101.0%	69.6%	77.7%
22. Unit Capacity Factor (using DER Net).....	99.9%	68.4%	77.0%
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: October 5, 1995
 Contact: J. A. Stall
 Phone: (703) 894-2101

MONTH: September 1995

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>896</u>
2	<u>904</u>
3	<u>905</u>
4	<u>906</u>
5	<u>905</u>
6	<u>905</u>
7	<u>905</u>
8	<u>904</u>
9	<u>904</u>
10	<u>905</u>
11	<u>905</u>
12	<u>905</u>
13	<u>905</u>
14	<u>905</u>
15	<u>905</u>
16	<u>906</u>

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	<u>907</u>
18	<u>907</u>
19	<u>907</u>
20	<u>907</u>
21	<u>906</u>
22	<u>905</u>
23	<u>907</u>
24	<u>908</u>
25	<u>907</u>
26	<u>909</u>
27	<u>909</u>
28	<u>909</u>
29	<u>909</u>
30	<u>909</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, 1995	0000	Began month with unit stable at 100% power, 951 MWe.
	0813	Commenced unit ramp-down for Turbine Valve Freedom Test. Unit at 100% power, 947 MWe.
	0841	Unit stable at 91% power, 867 MWe.
	1015	Commenced unit ramp-up following Turbine Valve Freedom Test. Unit at 91% power, 867 MWe.
	1100	Unit stable at 100% power, 947 MWe.
September 30, 1995	2400	Ended month with unit stable at 100% power, 954 MWe.

UNIT SHUTDOWN AND POWER REDUCTIONS
Explanation Sheet

Docket No.: 50-339

Report Month September Unit Name: NA-2

Year: 1995 Date: October 5, 1995

Contact: J. A. Stall

* No Entry This Month

REPORT MONTH: September 1995

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

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

*No Entries 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