

VIRGINIA ELECTRIC AND POWER COMPANY
RICHMOND, VIRGINIA 23261

June 9, 1994

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

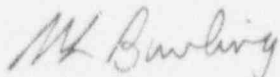
Serial No. 94-348
NL&P/GSS
Docket Nos. 50-338
50-339
License Nos. NPF-4
NPF-7

Gentlemen:

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

Enclosed is the Monthly Operating Report for North Anna Power Station Units 1 and 2 for the month of May 1994.

Very truly yours,



M. L. Bowling, Manager
Nuclear Licensing & Programs

Enclosure

cc: U.S. Nuclear Regulatory Commission
101 Marietta Street, NW
Suite 2900
Atlanta, GA 30323

Mr. R. D. McWhorter
NRC Senior Resident Inspector
North Anna Power Station

IE24
1/1

VIRGINIA POWER COMPANY
NORTH ANNA POWER STATION
MONTHLY OPERATING REPORT

MONTH: May YEAR: 1994

Approved:

gpc



Station Manager

OPERATING DATA REPORT

DOCKET NO.: 50-338
 DATE: June 1, 1994
 CONTACT: J. A. Stall
 PHONE: (703) 894-2101

OPERATING STATUS

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

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	3,623.0	139,739.0
12. Number of Hours Reactor was Critical.....	744.0	3,623.0	104,028.7
13. Reactor Reserve Shutdown Hours.....	0.0	0.0	6,826.8
14. Hours Generator On-Line.....	744.0	3,623.0	101,063.9
15. Unit Reserve Shutdown Hours.....	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH).....	2,151,604.9	10,477,033.3	268,929,269.7
17. Gross Electrical Energy Generated (MWH).....	710,805.0	3,456,975.0	88,372,332.0
18. Net Electrical Energy Generated (MWH).....	676,222.0	3,290,956.0	83,697,541.0
19. Unit Service Factor.....	100.0%	100.0%	72.3%
20. Unit Availability Factor.....	100.0%	100.0%	72.3%
21. Unit Capacity factor (using MDC Net).....	101.0%	100.9%	67.0%
22. Unit Capacity factor (using DER Net).....	100.2%	100.1%	66.0%
23. Forced Outage Rate.....	0.0%	0.0%	10.4%

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each) Refueling, 09/09/94, 48 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: June 1, 1994
 Contact: J. A. Stall
 Phone: (703) 894-2101

MONTH: May 1994

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>908</u>	17	<u>909</u>
2	<u>908</u>	18	<u>909</u>
3	<u>909</u>	19	<u>909</u>
4	<u>909</u>	20	<u>909</u>
5	<u>909</u>	21	<u>909</u>
6	<u>902</u>	22	<u>909</u>
7	<u>910</u>	23	<u>909</u>
8	<u>911</u>	24	<u>908</u>
9	<u>911</u>	25	<u>909</u>
10	<u>910</u>	26	<u>909</u>
11	<u>911</u>	27	<u>909</u>
12	<u>910</u>	28	<u>909</u>
13	<u>909</u>	29	<u>909</u>
14	<u>909</u>	30	<u>908</u>
15	<u>909</u>	31	<u>907</u>
16	<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.: 1
MONTH: May

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>
May 01, 1994	0000	Began month with unit at 100% power, 957 MWe.
May 06, 1994	1137	Commenced unit ramp-down for TVFT.
	1241	Unit stable at approximately 90% power, 870 MWe for TVFT.
	1340	TVFT completed satisfactorily. Commenced unit ramp-up to 100% power.
	1620	Unit stable at 100% power, 956 MWe.
May 31, 1994	2400	Ended month with unit at 100% power, 953 MWe.

UNIT SHUTDOWN AND POWER REDUCTIONS
Explanation Sheet

Docket No.: 50-338

Report Month May Unit Name: NA-1

Year: 1994 Date: June 1, 1994

Contact: J. A. Stall

*No entry this month.

UNIT SHUTDOWNS AND POWER REDUCTIONS

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

REPORT MONTH: May 1994

No.	Date	1 Type	2 Duration (hrs)	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: June 1, 1994
 CONTACT: J. A. Stall
 PHONE: (703) 894-2101

OPERATING STATUS

- 1. Unit Name:.....North Anna 2
- 2. Reporting Period:.....May 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.....	744.0	3,623.0	118,007.0
12. Number of Hours Reactor was Critical.....	744.0	3,597.2	97,970.8
13. Reactor Reserve Shutdown Hours.....	0.0	25.8	6,439.0
14. Hours Generator On-Line.....	744.0	3,559.5	96,876.9
15. Unit Reserve Shutdown Hours.....	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	2,151,926.1	10,141,712.6	262,367,370.3
17. Gross Electrical Energy Generated (MWH).....	698,165.0	3,286,472.0	85,881,948.0
18. Net Electrical Energy Generated (MWH).....	663,628.0	3,125,299.0	82,175,000.0
19. Unit Service Factor.....	100.0%	98.2%	82.1%
20. Unit Availability Factor.....	100.0%	98.2%	82.1%
21. Unit Capacity Factor (using MDC Net).....	100.6%	97.3%	77.3%
22. Unit Capacity Factor (using DER Net).....	98.3%	95.1%	76.8%
23. Forced Outage Rate.....	0.0%	1.8%	5.3%

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: June 1, 1994
 Contact: J. A. Stall
 Phone: (703) 894-2101

MONTH: May 1994

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	893
2	893
3	893
4	893
5	893
6	893
7	893
8	894
9	893
10	892
11	893
12	893
13	892
14	892
15	892
16	892

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	893
18	892
19	892
20	892
21	893
22	892
23	891
24	891
25	891
26	891
27	885
28	891
29	891
30	891
31	890

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: May

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>
May 01, 1994	0000	Began month with unit at 100% power, 939 MWe.
May 10, 1994	0833	Belt broke on bus duct cooling fan. Commenced unit ramp-down.
	0851	Unit stable at approximately 95% power, 886 MWe after replacement of bus duct cooling fan belts.
	0916	Commenced unit ramp-up to full power.
	0950	Unit stable at 100% power, 934 MWe.
May 27, 1994	0917	Commenced unit ramp-down for TVFT.
	0945	Unit stable at 91% power, 857 MWe for TVFT.
	1020	TVFT completed satisfactorily.
	1040	Commenced unit ramp-up to 100% power.
May 31, 1994	1150	Unit stable at 100% power, 934 MWe.
	2400	Ended month with unit at 100% power, 940 MWe.

UNIT SHUTDOWN AND POWER REDUCTIONS
Explanation Sheet

Docket No.: 50-339

Report Month May Unit Name: NA-2

Year: 1994 Date: June 1, 1994

Contact: J. A. Stall

*No entry this month.

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO.: 50-339
 UNIT NAME: NA-2
 DATE: June 1, 1994
 CONTACT: J. A. Stall
 PHONE: (703) 894-2101

REPORT MONTH: May 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
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*No entry this month.

1: Type F=Forced S=Scheduled	2: Reason A=Equipment Failure (explain) B=Maintenance or Test C=Refueling D=Regulatory Restriction E=Operator Training & License Examination F=Administrative G=Operational Error H=Other (explain)	3: Method 1=Manual 2=Manual Scram 3=Automatic Scram 4=Continuations 5=Load Reduction 9=Other	4: Exhibit F - Instructions for preparation of Data Entry Sheets for Licensee Event Report (LER) File (NUREG-0161) 5: Exhibit H - Same Source
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