

VIRGINIA ELECTRIC AND POWER COMPANY
RICHMOND, VIRGINIA 23261

July 12, 1994

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

Serial No. 94-405
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 June 1994.

Very truly yours,



J. P. O'Hanlon
Senior Vice President - Nuclear

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

JE24

VIRGINIA POWER COMPANY
NORTH ANNA POWER STATION
MONTHLY OPERATING REPORT

MONTH: June YEAR: 1994

Approved:

J. B. Sel

Station Manager
grd.

OPERATING DATA REPORT

DOCKET NO.: 50-338

DATE: July 1, 1994

CONTACT: J. A. Stall

PHONE: (703) 894-2101

OPERATING STATUS

1. Unit Name:.....North Anna 1
2. Reporting Period:.....June 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.....	720.0	4,343.0	140,459.0
12. Number of Hours Reactor was Critical.....	720.0	4,343.0	104,748.7
13. Reactor Reserve Shutdown Hours.....	0.0	0.0	6,826.8
14. Hours Generator On-Line.....	720.0	4,343.0	101,783.9
15. Unit Reserve Shutdown Hours.....	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH).....	2,063,440.9	12,540,474.2	270,992,710.6
17. Gross Electrical Energy Generated (MWH).....	679,205.0	4,136,180.0	89,051,537.0
18. Net Electrical Energy Generated (MWH).....	644,883.0	3,935,839.0	84,342,424.0
19. Unit Service Factor.....	100.0%	100.0%	72.5%
20. Unit Availability Factor.....	100.0%	100.0%	72.5%
21. Unit Capacity Factor (using MDC Net).....	99.5%	100.7%	67.2%
22. Unit Capacity Factor (using DER Net).....	98.8%	99.9%	66.2%
23. Forced Outage Rate.....	0.0%	0.0%	10.3%

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

MONTH: June 1994

DAY AVERAGE DAILY POWER
LEVEL (MWe-Net)

1	<u>908</u>
2	<u>906</u>
3	<u>905</u>
4	<u>906</u>
5	<u>905</u>
6	<u>904</u>
7	<u>904</u>
8	<u>903</u>
9	<u>905</u>
10	<u>899</u>
11	<u>906</u>
12	<u>905</u>
13	<u>904</u>
14	<u>903</u>
15	<u>904</u>
16	<u>903</u>

DAY AVERAGE DAILY POWER
LEVEL (MWe-Net)

17	<u>904</u>
18	<u>903</u>
19	<u>902</u>
20	<u>902</u>
21	<u>901</u>
22	<u>901</u>
23	<u>899</u>
24	<u>879</u>
25	<u>880</u>
26	<u>871</u>
27	<u>867</u>
28	<u>866</u>
29	<u>862</u>
30	<u>860</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: June

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>
June 01, 1994	0000	Began month with unit at 100% power, 953 MWe.
June 10, 1994	0833	Commenced unit ramp-down for TVFT.
	0934	Unit stable at approximately 90% power, 867 MWe for TVFT.
	1017	TVFT completed satisfactorily.
	1020	Commenced unit ramp-up to 100% power.
	1343	Unit stable at 100% power, 956 MWe.
June 23, 1994	2333	Commenced unit coastdown in preparation for the Fall refueling outage.
June 30, 1994	2400	Ended month with unit at 96% power, 905 MWe.

UNIT SHUTDOWN AND POWER REDUCTIONS
Explanation Sheet

Docket No.: 50-338

Report Month June Unit Name: NA-1

Year: 1994 Date: July 1, 1994

Contact: J. A. Stall

*No entry this month.

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH: June 1994

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

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 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

OPERATING DATA REPORT

DOCKET NO.: 50-339

DATE: July 1, 1994

CONTACT: J. A. Stall

PHONE: (703) 894-2101

OPERATING STATUS

1. Unit Name:.....North Anna 2
2. Reporting Period:.....June 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	4,343.0	118,727.0
12. Number of Hours Reactor was Critical.....	545.7	4,142.9	98,516.5
13. Reactor Reserve Shutdown Hours.....	69.9	95.7	6,508.9
14. Hours Generator On-Line.....	541.8	4,101.3	97,418.7
15. Unit Reserve Shutdown Hours.....	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	1,485,673.9	11,527,386.5	263,853,044.2
17. Gross Electrical Energy Generated (MWH).....	477,288.0	3,743,760.0	86,359,236.0
18. Net Electrical Energy Generated (MWH).....	452,180.0	3,577,479.0	82,627,180.0
19. Unit Service Factor.....	75.3%	94.4%	82.1%
20. Unit Availability Factor.....	75.3%	94.4%	82.1%
21. Unit Capacity Factor (using MDC Net).....	70.8%	92.9%	77.3%
22. Unit Capacity Factor (using DER Net).....	69.2%	90.8%	76.7%
23. Forced Outage Rate.....	24.8%	5.6%	5.4%

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

MONTH: June 1994

DAY AVERAGE DAILY POWER
LEVEL (MWe-Net)

1	<u>650</u>
2	<u>0</u>
3	<u>0</u>
4	<u>0</u>
5	<u>0</u>
6	<u>0</u>
7	<u>0</u>
8	<u>0</u>
9	<u>128</u>
10	<u>345</u>
11	<u>887</u>
12	<u>888</u>
13	<u>888</u>
14	<u>888</u>
15	<u>887</u>
16	<u>886</u>

DAY AVERAGE DAILY POWER
LEVEL (MWe-Net)

17	<u>886</u>
18	<u>885</u>
19	<u>885</u>
20	<u>884</u>
21	<u>884</u>
22	<u>885</u>
23	<u>885</u>
24	<u>885</u>
25	<u>885</u>
26	<u>885</u>
27	<u>886</u>
28	<u>887</u>
29	<u>886</u>
30	<u>887</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: June

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>
June 01, 1994	0000	Began month with unit at 100% power, 940 MWe.
	1454	Commenced unit ramp-down to bring unit off-line to repair leakage on the B RCP seal injection line.
	2035	Main generator off-line.
	2045	Unit entered Mode 2.
	2053	Unit entered Mode 3.
	2121	Notification of Unusual Event (NOUE) declared due to a RCS leakage rate requiring unit shutdown in accordance with Technical Specification 3.4.6.2.
June 02, 1994	0353	Unit entered Mode 4.
	0943	Unit entered Mode 5. Terminated NOUE.
June 06, 1994	1805	Unit entered Mode 4 after completion of B RCP repairs.
June 08, 1994	0828	Unit entered Mode 3.
June 09, 1994	0312	Unit entered Mode 2.
	0628	Unit entered Mode 1.
	0650	Main generator placed on-line, ramping unit to 30% power.
	0917	Unit stable at 30% power, 240 MWe for chemistry hold.
June 10, 1994	1538	Commenced unit ramp-up after release from chemistry hold.
June 11, 1994	0230	Unit at 100% power, 935 MWe, with first point feedwater heater bypass valves full open and the heater discharge valves partially closed.
June 30, 1994	2400	Ended month with unit at 100% power, 934 MWe.

UNIT SHUTDOWN AND POWER REDUCTIONS
Explanation Sheet

Docket No.: 50-339

Report Month June Unit Name: NA-2

Year: 1994 Date: July 1, 1994

Contact: J. A. Stall

#94-05

June 01, 1994

Commenced unit ramp-down to remove unit from line due to leakage from B RCP seal injection line at 1454 hours. Main generator off-line at 2035 hours. Unit entered Mode 2 at 2045 hours. Unit entered Mode 3 at 2053 hours. Notification of Unusual Event declared at 2121 hours.

June 02, 1994

Unit entered Mode 4 at 0353 hours. Unit entered Mode 5 and terminated NOUE at 0943 hours.

June 06, 1994

Unit entered Mode 4 at 1805 hours.

June 08, 1994

Unit entered Mode 3 at 0828 hours.

June 09, 1994

Unit entered Mode 2 at 0312 hours. Unit entered Mode 1 at 0628 hours. Main generator on-line at 0650 hours.

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH: June 1994

DOCKET NO.: 50-339
UNIT NAME: NA-2
DATE: July 1, 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	Component Code	5 Cause & Corrective Action to Prevent Recurrence
94-05	940601	F	178.2	A	1	N2-94-005-00	AB	P	Unit shutdown to repair leakage from B RCP seal injection line.

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