

VIRGINIA ELECTRIC AND POWER COMPANY

RICHMOND, VIRGINIA 23261

August 10, 1994

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

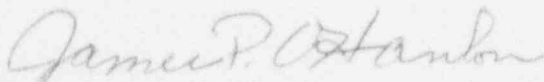
Serial No. 94-461
NL&P/GSS
Docket Nos. 50-338
50-339
License Nos. NPF-4
NPF-7

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 July 1994.

Very truly yours,



James 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

Mr. John P. Edwards
Old Dominion Electric Cooperative
4201 Dominion Blvd, 3rd Floor
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VIRGINIA POWER COMPANY
NORTH ANNA POWER STATION
MONTHLY OPERATING REPORT

MONTH: July YEAR: 1994

Approved:



Station Manager

80

OPERATING DATA REPORT

DOCKET NO.: 50-338
 DATE: August 5, 1994
 CONTACT: J. A. Stall
 PHONE: (703) 894-2101

OPERATING STATUS

1. Unit Name:.....North Anna 1
2. Reporting Period:.....July 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	5,087.0	141,203.0
12. Number of Hours Reactor was Critical.....	744.0	5,087.0	105,492.7
13. Reactor Reserve Shutdown Hours.....	0.0	0.0	6,826.8
14. Hours Generator On-Line.....	744.0	5,087.0	102,527.9
15. Unit Reserve Shutdown Hours.....	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH).....	1,820,747.3	14,361,221.5	272,813,457.9
17. Gross Electrical Energy Generated (MWH).....	600,165.0	4,736,345.0	89,651,702.0
18. Net Electrical Energy Generated (MWH).....	565,845.0	4,501,684.0	84,908,269.0
19. Unit Service Factor.....	100.0%	100.0%	72.6%
20. Unit Availability Factor.....	100.0%	100.0%	72.6%
21. Unit Capacity Factor (using MDC Net).....	84.5%	98.3%	67.3%
22. Unit Capacity Factor (using DER Net).....	83.9%	97.6%	66.3%
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: August 5, 1994
 Contact: J. A. Stall
 Phone: (703) 894-2101

MONTH: July 1994

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>846</u>
2	<u>833</u>
3	<u>831</u>
4	<u>828</u>
5	<u>824</u>
6	<u>821</u>
7	<u>818</u>
8	<u>810</u>
9	<u>790</u>
10	<u>789</u>
11	<u>785</u>
12	<u>783</u>
13	<u>780</u>
14	<u>777</u>
15	<u>774</u>
16	<u>748</u>

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	<u>748</u>
18	<u>745</u>
19	<u>745</u>
20	<u>742</u>
21	<u>737</u>
22	<u>716</u>
23	<u>717</u>
24	<u>714</u>
25	<u>712</u>
26	<u>710</u>
27	<u>708</u>
28	<u>691</u>
29	<u>687</u>
30	<u>685</u>
31	<u>683</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: July

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>
July 01, 1994	0000	Began month with unit at 96% power, 905 MWe in a power coastdown for upcoming refueling outage.
July 31, 1994	2400	Ended month with unit at 76% power, 730 MWe in a power coastdown for upcoming refueling outage.

UNIT SHUTDOWN AND POWER REDUCTIONS
Explanation Sheet

Docket No.: 50-338

Report Month July Unit Name: NA-1

Year: 1994 Date: August 5, 1994

Contact: J. A. Stall

*No entry this month.

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH: July 1994

DOCKET NO.: 50-338
UNIT NAME: NA-1
DATE: August 5, 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	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: August 5, 1994
 CONTACT: J. A. Stall
 PHONE: (703) 894-2101

OPERATING STATUS

1. Unit Name:.....North Anna 2
2. Reporting Period:.....July 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	5,087.0	119,471.0
12. Number of Hours Reactor was Critical.....	744.0	4,886.9	99,260.5
13. Reactor Reserve Shutdown Hours.....	0.0	95.7	6,508.9
14. Hours Generator On-Line.....	744.0	4,845.3	98,162.7
15. Unit Reserve Shutdown Hours.....	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	2,152,062.2	13,779,448.7	266,005,106.4
17. Gross Electrical Energy Generated (MWH).....	691,945.0	4,455,705.0	87,051,181.0
18. Net Electrical Energy Generated (MWH).....	656,804.0	4,234,283.0	83,283,984.0
19. Unit Service Factor.....	100.0%	95.2%	82.2%
20. Unit Availability Factor.....	100.0%	95.2%	82.2%
21. Unit Capacity Factor (using MDC Net).....	99.5%	93.8%	77.4%
22. Unit Capacity Factor (using DER Net).....	97.3%	91.8%	76.9%
23. Forced Outage Rate.....	0.0%	4.8%	5.4%

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): Refueling, 03/11/95, 60 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.: 50-339
Unit: NA-2
Date: August 5, 1994
Contact: J. A. Stall
Phone: (703) 894-2101

MONTH: July 1994

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
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1	<u>886</u>
2	<u>886</u>
3	<u>885</u>
4	<u>885</u>
5	<u>884</u>
6	<u>882</u>
7	<u>883</u>
8	<u>883</u>
9	<u>882</u>
10	<u>882</u>
11	<u>882</u>
12	<u>882</u>
13	<u>882</u>
14	<u>882</u>
15	<u>876</u>
16	<u>882</u>

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
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17	<u>883</u>
18	<u>882</u>
19	<u>882</u>
20	<u>882</u>
21	<u>882</u>
22	<u>882</u>
23	<u>883</u>
24	<u>883</u>
25	<u>883</u>
26	<u>884</u>
27	<u>884</u>
28	<u>884</u>
29	<u>884</u>
30	<u>884</u>
31	<u>884</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: July

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>
July 01, 1994	0000	Began month with unit at 100% power, 934 MWe.
July 15, 1994	0802	Commenced unit ramp-down for TVFT.
	0830	Unit stable at 94% power, 872 MWe for TVFT.
	0945	TVFT completed satisfactorily.
	0947	Commenced unit ramp-up to 100% power.
	1400	Unit stable at 100% power, 922 MWe.
July 31, 1994	2400	Ended month with unit at 100% power, 925 MWe.

UNIT SHUTDOWN AND POWER REDUCTIONS
Explanation Sheet

Docket No.: 50-339

Report Month July Unit Name: NA-2

Year: 1994 Date: August 5, 1994

Contact: J. A. Stall

*No entry this month.

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH: July 1994

DOCKET NO.: 50-339
UNIT NAME: NA-2
DATE: August 5, 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	2: Reason	3: Method	4:
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	F=Administrative	9=Other	
	G=Operational Error		5:
	H=Other (explain)		Exhibit H - Same Source