

VIRGINIA ELECTRIC AND POWER COMPANY
RICHMOND, VIRGINIA 23261

August 12, 1992

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

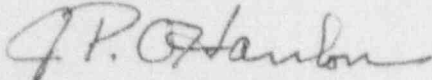
Serial No. 92-524
NL&P/JMJ:jmj
Docket Nos. 50-338
50-339
License Nos. NPF-4
NPF-7

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 1992.

Very truly yours,



for W. L. Stewart
Senior Vice President - Nuclear

Enclosure

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

Mr. M. S. Lesser
NRC Senior Resident Inspector
North Anna Power Station

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VIRGINIA POWER COMPANY
NORTH ANNA POWER STATION
MONTHLY OPERATING REPORT

MONTH: July YEAR: 1992

Approved:

Clayton
Station Manager
CM

OPERATING DATA REPORT

DOCKET NO.: 50-338
 DATE: August 3, 1992
 CONTACT: G. E. Kane
 PHONE: (703) 894-2101

OPERATING STATUS

1. Unit Name:.....North Anna 1
2. Reporting Period:.....July 1992
3. Licensed Thermal Power (MWT):..... 2,748
4. Nameplate Rating (Gross MWe):..... 947
5. Design Electrical Rating (Net MWe):..... 907
6. Maximum Dependable Capacity (Gross MWe):... 894
7. Maximum Dependable Capacity (Net MWe):.... 848

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	5,111.0	123,683.0
12. Number of Hours Reactor was Critical.....	744.0	3,569.3	90,257.8
13. Reactor Reserve Shutdown Hours.....	0.0	36.3	6,758.0
14. Hours Generator On-Line.....	744.0	3,552.2	87,323.7
15. Unit Reserve Shutdown Hours.....	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH).....	2,027,347.9	9,575,544.2	232,528,316.6
17. Gross Electrical Energy Generated (MWH).....	664,293.0	3,161,923.0	76,419,770.0
18. Net Electrical Energy Generated (MWH).....	631,803.0	3,003,889.0	72,358,506.0
19. Unit Service Factor.....	100.0%	69.5%	70.6%
20. Unit Availability Factor.....	100.0%	69.5%	70.6%
21. Unit Capacity Factor (using MDC Net).....	100.1%	67.2%	65.4%
22. Unit Capacity Factor (using DER Net).....	93.6%	64.8%	64.5%
23. Forced Outage Rate.....	0.0%	0.0%	11.8%

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each) Steam Generator Replacement and Refueling Outage, January 1993, approximately 120 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 3, 1992
 Contact: G. E. Kane
 Phone: (703) 894-2101

MONTH: July 1992

DAY AVERAGE DAILY POWER
LEVEL (MWe-Net)

1	<u>860</u>
2	<u>860</u>
3	<u>861</u>
4	<u>861</u>
5	<u>860</u>
6	<u>860</u>
7	<u>860</u>
8	<u>860</u>
9	<u>859</u>
10	<u>860</u>
11	<u>854</u>
12	<u>856</u>
13	<u>858</u>
14	<u>857</u>
15	<u>857</u>
16	<u>858</u>

DAY AVERAGE DAILY LEVEL
LEVEL (MWe-Net)

17	<u>857</u>
18	<u>786</u>
19	<u>836</u>
20	<u>857</u>
21	<u>857</u>
22	<u>857</u>
23	<u>794</u>
24	<u>797</u>
25	<u>797</u>
26	<u>854</u>
27	<u>858</u>
28	<u>860</u>
29	<u>858</u>
30	<u>858</u>
31	<u>857</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.

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH: July 1992

DOCKET NO.: 50-338
UNIT NAME: NA-1
DATE: August 3, 1992
CONTACT: G. E. Kane
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

UNIT SHUTDOWN AND POWER REDUCTIONS
Explanation Sheet

Docket No.: 50-338

Report Month July Unit Name: NA-1

Year: 1992 Date: August 3, 1992

Contact: G. E. Kane

*No entry this month.

NORTH ANNA POWER STATION

UNIT NO.: 1
MONTH: JulySUMMARY 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, 1992	0000	Began month with unit at 95% power, 90 MWe.
July 11, 1992	0815	Commenced unit ramp-down to 870MWe for TVFT.
	0839	Unit stable at 870MWe for TVFT.
	1027	TVFT completed satisfactorily.
	1031	Commenced unit ramp-up to 95% power.
	1116	Unit stable at 95% power, 901MWe.
July 18, 1992	0014	Commenced unit ramp-down to approximately 90% power for repairs to A condenser waterbox.
	0053	Unit stable at 90% power, 822MWe.
July 19, 1992	0609	Commenced unit ramp-up to 95% power following repairs to A condenser waterbox.
	0830	Unit stable at 95% power, 904MWe.
July 23, 1992	0009	Commenced unit ramp-down to approximately 90% power for repairs to condenser waterboxes.
	0100	Unit stable at 89% power, 850MWe.
July 26, 1992	0205	Commenced unit ramp-up to 95% power following repairs to B, C, and D condenser waterboxes.
	0306	Unit stable at 95% power, 906MWe.
July 28, 1992	0412	Fire reported at Intake Structure.
	0425	Initiated "Notification of Unusual Event" due to fire lasting greater than 10 minutes.
	0431	Fire extinguished.
	0459	Terminated "Notification of Unusual Event."
July 31, 1992	2400	Ended month with unit at 95% power, 898MWe.

OPERATING DATA REPORT

DOCKET NO.: 50-339
 DATE: August 3, 1992
 CONTACT: G. E. Kane
 PHONE: (703) 894-2101

OPERATING STATUS

1. Unit Name:.....North Anna 2
2. Reporting Period:.....July 1992
3. Licensed Thermal Power (MWt):..... 2893
4. Nameplate Rating (Gross MWe):..... 947
5. Design Electrical Rating (Net MWe):..... 907
6. Maximum Dependable Capacity (Gross MWe):.. 957
7. Maximum Dependable Capacity (Net MWe):.... 909
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	5,111.0	101,951.0
12. Number of Hours Reactor was Critical.....	744.0	3,657.9	83,393.8
13. Reactor Reserve Shutdown Hours.....	0.0	164.9	6,222.3
14. Hours Generator On-Line.....	744.0	3,607.9	82,382.3
15. Unit Reserve Shutdown Hours.....	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH).....	2,151,315.6	9,867,818.8	221,684,951.9
17. Gross Electrical Energy Generated (MWH).....	706,248.0	3,236,560.0	72,616,686.0
18. Net Electrical Energy Generated (MWH).....	671,058.0	3,071,987.0	69,571,720.0
19. Unit Service Factor.....	100.0%	70.6%	80.8%
20. Unit Availability Factor.....	100.0%	70.6%	80.8%
21. Unit Capacity Factor (using MDC Net).....	99.2%	66.1%	75.8%
22. Unit Capacity Factor (using DER Net).....	99.4%	66.3%	75.2%
23. Forced Outage Rate.....	0.0%	0.7%	5.8%

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: August 3, 1992
 Contact: G. E. Kane
 Phone: (703) 894-2101

MONTH: July 1992

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY LEVEL LEVEL (MWe-Net)
1	<u>904</u>	17	<u>902</u>
2	<u>903</u>	18	<u>902</u>
3	<u>903</u>	19	<u>902</u>
4	<u>904</u>	20	<u>901</u>
5	<u>904</u>	21	<u>901</u>
6	<u>904</u>	22	<u>901</u>
7	<u>904</u>	23	<u>902</u>
8	<u>904</u>	24	<u>902</u>
9	<u>903</u>	25	<u>902</u>
10	<u>903</u>	26	<u>903</u>
11	<u>902</u>	27	<u>902</u>
12	<u>903</u>	28	<u>903</u>
13	<u>902</u>	29	<u>902</u>
14	<u>902</u>	30	<u>902</u>
15	<u>902</u>	31	<u>888</u>
16	<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.

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH: July 1992

DOCKET NO.: 50-339
UNIT NAME: NA-2
DATE: August 3, 1992
CONTACT: G. E. Kane
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
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

UNIT SHUTDOWN AND POWER REDUCTIONS
Explanation Sheet

Docket No.: 50-339

Report Month July Unit Name: NA-2

Year: 1992 Date: August 3, 1992

Contact: G. E. Kane

*No entry this month.

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, 1992	0000	Began month with unit at 100% power, 953MWe.
July 28, 1992	0412	Fire reported at Intake Structure.
	0425	Initiated "Notification of Unusual Event" due to fire lasting greater than 10 minutes.
	0431	Fire extinguished.
	0459	Terminated "Notification of Unusual Event."
July 31, 1992	0840	Commenced unit ramp-down to 890MWe for TVFT.
	0910	Unit stable at 889MWe for TVFT.
	1230	TVFT completed satisfactorily.
	1320	Commenced unit ramp-up to 100% power.
	1502	Unit stable at 100% power, 904MWe.
	2400	Ended month with unit at 100% power, 899MWe.