

VIRGINIA ELECTRIC AND POWER COMPANY
RICHMOND, VIRGINIA 23261

April 12, 1994

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

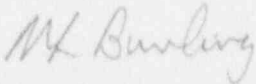
Serial No. 94-214
NL&P/JMJ:jmj
Docket Nos. 50-338
50-339
License Nos. NPF-4
NPF-7

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 March 1994.

Very truly yours,



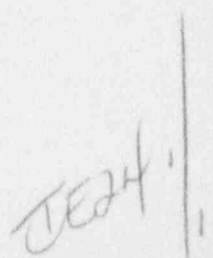
M. L. Bowling, Manager
Nuclear Licensing & Programs

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

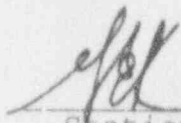
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VIRGINIA POWER COMPANY
NORTH ANNA POWER STATION
MONTHLY OPERATING REPORT

MONTH: March YEAR: 1994

Approved:



Station Manager
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OPERATING DATA REPORT

DOCKET NO.: 50-338
 DATE: April 4, 1994
 CONTACT: G. E. Kane
 PHONE: (703) 894-2101

OPERATING STATUS

1. Unit Name:.....North Anna 1
2. Reporting Period:.....March 1994
3. Licensed Thermal Power (Mwt):..... 2,893
4. Nameplate Rating (Gross MWe):..... 947
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	2,160.0	138,276.0
12. Number of Hours Reactor was Critical.....	744.0	2,160.0	102,565.7
13. Reactor Reserve Shutdown Hours.....	0.0	0.0	6,826.8
14. Hours Generator On-Line.....	744.0	2,160.0	99,600.9
15. Unit Reserve Shutdown Hours.....	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH).....	2,151,451.6	6,246,637.4	264,698,873.8
17. Gross Electrical Energy Generated (MWH).....	710,057.0	2,059,317.0	86,974,674.0
18. Net Electrical Energy Generated (MWH).....	676,247.0	1,960,632.0	82,367,217.0
19. Unit Service Factor.....	100.0%	100.0%	72.0%
20. Unit Availability Factor.....	100.0%	100.0%	72.0%
21. Unit Capacity Factor (using MDC Net).....	101.0%	100.9%	66.7%
22. Unit Capacity Factor (using DER Net).....	100.2%	100.1%	65.7%
23. Forced Outage Rate.....	0.0%	0.0%	10.5%

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	_____	_____

NORTH ANNA POWER STATION

UNIT NO.: 1
 MONTH: March

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>
March 01, 1994	0000	Began month with unit at 100% power, 954 MWe.
March 11, 1994	1124	Commenced unit ramp-down for TVFT.
	1210	Unit stable at approximately 92% power, 880 MWe for TVFT.
	1259	TVFT completed satisfactorily. Commenced unit ramp-up to 100% power.
	1523	Unit stable at 100% power, 951 MWe.
March 16, 1994	0430	Commenced unit ramp-down to allow removal of 1-FW-E-1B from service due to excessive steam leakage.
	0515	Unit stable at approximately 99% power, 929 MWe.
	1708	Repairs complete. Commenced ramp-up to 100% power.
	1737	Unit stable at 100% power, 955 MWe.
March 31, 1994	2400	Ended month with unit at 100% power, 956 MWe.

UNIT SHUTDOWN AND POWER REDUCTIONS
Explanation Sheet

Docket No.: 50-338

Report Month March Unit Name: NA-1

Year: 1994 Date: April 4, 1994

Contact: G. E. Kane

*No entry this month.

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO.: 50-338
 UNIT NAME: NA-1
 DATE: April 4, 1994
 CONTACT: G. E. Kane
 PHONE: (703) 894-2101

REPORT MONTH: March 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	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: April 4, 1994
 CONTACT: G. E. Kane
 PHONE: (703) 894-2101

OPERATING STATUS

1. Unit Name:.....North Anna 2
2. Reporting Period:.....March 1994
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):.. 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	2,160.0	116,544.0
12. Number of Hours Reactor was Critical.....	744.0	2,143.9	96,517.5
13. Reactor Reserve Shutdown Hours.....	0.0	16.1	6,429.3
14. Hours Generator On-Line.....	744.0	2,130.5	95,447.9
15. Unit Reserve Shutdown Hours.....	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	2,151,891.3	6,083,188.8	258,308,846.5
17. Gross Electrical Energy Generated (MWH).....	698,883.0	1,972,533.0	84,568,009.0
18. Net Electrical Energy Generated (MWH).....	665,239.0	1,876,595.0	80,926,296.0
19. Unit Service Factor.....	100.0%	98.6%	81.9%
20. Unit Availability Factor.....	100.0%	98.6%	81.9%
21. Unit Capacity Factor (using MDC Net).....	100.8%	97.9%	77.1%
22. Unit Capacity Factor (using DER Net).....	98.6%	95.8%	76.6%
23. Forced Outage Rate.....	0.0%	1.4%	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: April 4, 1994
 Contact: G. E. Kane
 Phone: (703) 894-2101

MONTH: March 1994

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	894	17	894
2	894	18	894
3	894	19	894
4	894	20	894
5	894	21	894
6	895	22	894
7	894	23	895
8	895	24	894
9	895	25	890
10	894	26	895
11	893	27	895
12	894	28	895
13	894	29	896
14	894	30	895
15	894	31	895
16	894		

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: March

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>
March 01, 1994	0000	Began month with unit at 100% power, 942 MWe.
March 25, 1994	0915	Commenced unit ramp-down for TVFT.
	0954	Unit stable at 93% power, 875 MWe for TVFT.
	1058	TVFT completed satisfactorily. Commenced unit ramp-up to 100% power.
	1225	Unit stable at 100% power, 936 MWe.
March 31, 1994	2400	Ended month with unit at 100% power, 941 MWe.

UNIT SHUTDOWN AND POWER REDUCTIONS
Explanation Sheet

Docket No.: 50-339

Report Month March Unit Name: NA-2

Year: 1994 Date: April 4, 1994

Contact: G. E. Kane

*No entry this month.

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO.: 50-339
 UNIT NAME: NA-2
 DATE: April 4, 1994
 CONTACT: G. E. Kane
 PHONE: (703) 894-2101

REPORT MONTH: March 1994

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
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*No entry this month.

1: Type	2: Reason	3: Method	4:	5:
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			
	H=Other (explain)			