VIRGINIA ELECTRIC AND POWER COMPANY

NORTH ANNA POWER STATION

MONTHLY OPERATING REPORT

MONTH March YEAR 1980

SUBMITTED:

SUPERINTENDENT - OPERATIONS

APPROVED:

MANAGER

8004170 211

OPERATING DATA REPORT

DOCKET NO. 50-338
DATE 4-1-80
COMPLETED BY W. R. Madison
TELEPHONE 703-894-5151

OPERATING STATUS

1. Unit Name: North Anna Unit 1
2. Reporting Period: March 1980
3. Licensed Thermal Power (MWt): 2775
4. Nameplate Rating (Gross MWe): 947
5. Design Electrical Rating (Net MWe): 907
6. Maximum Dependable Capacity (Gross MWe): 928
7. Maximum Dependable Capacity (Net MWe): 898

Notes

8. If Changes Occur in Capacity Ratings (Items Number 3 Through 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	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	744	2,184	15,961
12. Number Of Hours Reactor Was Critical	744	1,691.9	11,857.1
13. Reactor Reserve Shutdown Hours	0	37.0	185.3
14. Hours Generator On-Line	744	1,542.7	11,595.9
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	2,016,657	3,706,771	29,986,684
17. Gross Electrical Energy Generated (MWH)	636,429	1,160,508	9,506,857
18. Net Electrical Energy Generated (MWH)	601,060	1,088,034	8,941,480
19. Unit Service Factor	100	70.6	72.7
20. Unit Availability Factor	100	70.6	72.7
21. Unit Capacity Factor (Using MDC Net)	90.0	55.5	62.4
22. Unit Capacity Factor (Using DER Net)	89.1	54.9	61.8
23. Unit Forced Outage Rate	0	6.6	3.8

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):
N/A

25. If Shut Down At End Of Report Period, Estimated Date of Startup: N/A

26. Units In Test Status (Prior to Commercial Operation):

	Forecast	Achieved
INITIAL CRITICALITY		
INITIAL ELECTRICITY		
COMMERCIAL OPERATION		

(9/77)

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-338
UNIT NA 1
DATE 4/1/80
COMPLETED BY W. R. Madison
TELEPHONE (703) 894-5151

MONTH March 1980

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	830	17	775
2	832	18	261
3	830	19	779
4	831	20	827
5	830	21	830
6	827	22	826
7	833	23	826
8	835	24	828
9	833	25	830
10	831	26	831
11	835	27	830
12	806	28	831
13	829	29	835
14	828	30	832
15	830	31	830
16	836		

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.

(9/77)

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH March 1980

DOCKET NO. 50-338
UNIT NAME North Anna 1
DATE 4-1-80
COMPLETED BY A. C. Neufer
TELEPHONE 703-894-5151 ext. 288

No.	Date	Type[1]	Duration (Hours)	Reason[2]	Method of Shutting Down Reactor[3]	Licensee Event Report #	System Code[4]	Component Code[5]	Cause & Corrective Action to Prevent Recurrence
80-11	800317	NA	NA	A*	NA	NA	NA	NA	Significant power reduction of >20% of the average daily power level.

1
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 (Explain)
H-Other (Explain)

3
Method:
1-Manual
2-Manual Scram.
3-Automatic Scram.
4-Other (Explain)

4
Exhibit G - Instructions for Preparation of Data Entry Sheets for Licensee Event Report (LER) File (NUREG-0161)

5
Exhibit I - Same Source

(9/77)

*See attached sheet.

UNIT SHUTDOWN AND POWER REDUCTIONS

EXPLANATION SHEET
REPORT MONTH MARCH
YEAR 1980

DOCKET NO. 50-338
UNIT NAME North Anna 1
DATE: 4-1-80
COMPLETED BY A. G. Neufer

80-11(A) 3/17/80 time 2100 ramped unit down to 250 MWE 33% power due to arcing the 500 KV bus disconnects and generator out put disconnects located in the station switchyard G-108, G56804, G-102 and G-105. At 2343 maintenance was completed in the switchyard, however, the unit was held at approximately 30% power until 3/18/80 at 1745 due to high steam generator cation conductivity. The unit was held at less than full power until 0620 3-19-80 due to unstable steam generator conductivity and an oil leak on "A" feed pump.