VIRGINIA ELECTRIC AND POWER COMPANY

NORTH ANNA POWER STATION

MONTHLY OPERATING REPORT

MONTH Jan. YEAR 1979

(Revised 11-05-79)

SUBMITTED:

SUPERINTENDENT - OPERATIONS

APPROVED:

MANAGER

1367 306

OPERATING DATA REPORT

DOCKET NO. 50-338
DATE 11-5-79
COMPLETED BY W. R. Madison
TELEPHONE (703) 894-5151



OPERATING STATUS

1. Unit Name: North Anna
2. Reporting Period: January 1979 (Revised)
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
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:
N/A

Notes

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 | 744 | 5,761 |
| 12. Number Of Hours Reactor Was Critical | 640.7 | 640.7 | 5,327.5 |
| 13. Reactor Reserve Shutdown Hours | 0 | 0 | 96.8 |
| 14. Hours Generator On-Line | 640.7 | 640.7 | 5,292.4 |
| 15. Unit Reserve Shutdown Hours | 0 | 0 | 0 |
| 16. Gross Thermal Energy Generated (MWH) | 1,710,165 | 1,710,165 | 13,906,960 |
| 17. Gross Electrical Energy Generated (MWH) | 544,465 | 544,465 | 4,444,902 |
| 18. Net Electrical Energy Generated (MWH) | 513,410 | 513,410 | 4,177,990 |
| 19. Unit Service Factor | 86.1 | 86.1 | 92.5 |
| 20. Unit Availability Factor | 86.1 | 86.1 | 92.5 |
| 21. Unit Capacity Factor (Using MDC Net) | 76.8 | 76.8 | 80.8 |
| 22. Unit Capacity Factor (Using DER Net) | 76.1 | 76.1 | 80.0 |
| 23. Unit Forced Outage Rate | 13.9 | 13.9 | 3.2 |

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):
Snubber Inspection April 1979, 1 week

25. If Shut Down At End Of Report Period, Estimated Date of Startup: February 3, 1979
26. Units In Test Status (Prior to Commercial Operation):

| | Forecast | Achieved |
|---|---|---|
| INITIAL CRITICALITY | | |
| INITIAL ELECTRICITY | | |
| COMMERCIAL OPERATION | | |

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(9/77)

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-338
UNIT NAME North Anna
DATE 11-5-79
COMPLETED BY W. R. Madison
TELEPHONE (703) 894-5151

REPORT MONTH January 1979 (Revised)

| 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 |
|---|---|---|---|---|---|---|---|---|---|
| 79-01 | 790127 | F | 103.3 | A* | 1 | LER/RO 79-012 | CF | VALVEX | Manual reactor, turbine generator shutdown due to excessive unidentified primary plant leakage. Repacked MOV-1700 residual heat removal system isolation valve, also outage was extended for other primary and secondary maintenance. |

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

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*See Attached Sheet
NOTE: Outage 79 01

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UNIT SHUTDOWN AND POWER REDUCTIONS

EXPLANATION SHEET

DOCKET NO. 50-338

REPORT MONTH January UNIT NAME North Anna

YEAR 1979 DATE 11-5-79

COMPLETED BY W. R. MADISON

79-01 (A) Excessive packing gland leakage from MOV-1700, the residual heat removal system suction valve, of greater than 1 gallon per minute. Technical specifications permit primary plant unidentified leakage of 1 gpm or less. The unit was removed from service and the reactor shutdown at 1641. The plant was then cooled down and depressurized. The maintenance was completed on 1-28-79 at 1940. The plant was heated to 547°F on 1-29-79 at 1245 and a leakrate calculation was performed. Again leakage was excessive. It was determined that the pressurizer spray valves were leaking between their bodies and bonnets. The plant was then cooled down and depressurized to allow maintenance. January shutdown 78-33 continued into February 1979.