

VIRGINIA ELECTRIC AND POWER COMPANY

NORTH ANNA POWER STATION

MONTHLY OPERATING REPORT

MONTH June YEAR 1984

APPROVED:

  
STATION MANAGER

B407190360 B40705  
PDR ADOCK 05000338  
R PDR

IE24  
11

# OPERATING DATA REPORT

DOCKET NO. 50-338  
DATE 07-05-84  
COMPLETED BY Joan N. Lee  
TELEPHONE (703) 894-5151 X2527

## OPERATING STATUS

1. Unit Name: North Anna 1
2. Reporting Period: June, 1984
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): 937
7. Maximum Dependable Capacity (Net MWe): 890
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	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	720	4,368	52,808
12. Number of Hours Reactor Was Critical	0	2,442.3	36,028.8
13. Reactor Reserve Shutdown Hours	0	7.1	3,028.6
14. Hours Generator On-Line	0	2,420	35,081.6
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	0	6,596,736	91,648,509
17. Gross Electrical Energy Generated (MWH)	0	2,238,267	29,622,454
18. Net Electrical Energy Generated (MWH)	0	2,126,605	27,957,779
19. Unit Service Factor	0	55.4	64.4
20. Unit Availability Factor	0	55.4	66.6
21. Unit Capacity Factor (Using MDC Net)	0	54.7	59.4
22. Unit Capacity Factor (Using DER Net)	0	53.6	58.3
23. Unit Forced Outage Rate	0	23.7	12.0
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):			

Unit 1 Scheduled Fall Maintenance, 11-23-84, 10 days.

25. If Shut Down At End Of Report Period, Estimated Date of Startup: August 8, 1984
26. Units In Test Status (Prior to Commercial Operation):

Forecast

Achieved

INITIAL CRITICALITY  
INITIAL ELECTRICITY  
COMMERCIAL OPERATION

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\_\_\_\_\_  
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## UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-338

UNIT NAME North Anna 1

DATE 07-05-84

COMPLETED BY Joan Lee

TELEPHONE (703) 894-5151 X2527

REPORT MONTH June, 1984

No.	Date	Type <sup>1</sup>	Duration (Hours)	Reason <sup>2</sup>	Method of Shutting Down Reactor <sup>3</sup>	Licensee Event Report #	System Code 4	Component Code 5	Cause & Corrective Action to Prevent Recurrence
84-14	840511	S	720.0	C	1	NA	NA	NA	Refueling outage continued through the month

<sup>1</sup>F: Forced  
S: Scheduled<sup>2</sup>

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)<sup>3</sup>

Method:

1-Manual  
2-Manual Scram.  
3-Automatic Scram  
4-Continuations  
5-Load Reduction  
9-Other<sup>4</sup>Exhibit F - Instructions  
for Preparation of Data  
Entry Sheets for Licensee  
Event Report (LER) File  
(NUREG-0161)<sup>5</sup>

Exhibit H - Same Source

VIRGINIA ELECTRIC AND POWER COMPANY  
NORTH ANNA POWER STATION

UNIT NO. 1

MONTH June

SUMMARY OF OPERATING EXPERIENCE

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>
June 1, 1984	0000	Began this month with Unit in Mode 5. Schedule Refueling Outage.
June 30, 1984	2400	Ended this month with Unit defueled. Schedule Refueling Outage. Expected date for Unit 1 to return on line Aug. 8, 1984.

# OPERATING DATA REPORT

DOCKET NO. 50-339  
DATE 07-05-84  
COMPLETED BY Joan N. Lee  
TELEPHONE (703) 894-5151 X2527

## OPERATING STATUS

Notes:

1. Unit Name: North Anna 2
2. Reporting Period: June, 1984
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): 939
7. Maximum Dependable Capacity (Net MWe): 890
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	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	720	4,368	31,824
12. Number of Hours Reactor Was Critical	713.7	4,236.3	23,865.2
13. Reactor Reserve Shutdown Hours	0	20.4	3,794.6
14. Hours Generator On-Line	692.4	3920.7	23,427.8
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	1,917,911	8,514,647	93,566,420
17. Gross Electrical Energy Generated (MWH)	632,763	3,394,768	20,086,516
18. Net Electrical Energy Generated (MWH)	599,181	3,217,834	19,069,916
19. Unit Service Factor	95.8	89.7	73.6
20. Unit Availability Factor	95.8	89.7	73.6
21. Unit Capacity Factor (Using MDC Net)	93.5	82.8	67.3
22. Unit Capacity Factor (Using DER Net)	91.7	81.2	66.0
23. Unit Forced Outage Rate	0	5.6	15.7
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):			

Unit 2 Refueling Outage Scheduled 08-17-84, 52 days.

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

Forecast

Achieved

INITIAL CRITICALITY  
INITIAL ELECTRICITY  
COMMERCIAL OPERATION

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## UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-339

UNIT NAME North Anna 2

DATE 07-05-84

COMPLETED BY Joan Lee

TELEPHONE (703) 894-5151 X2527

REPORT MONTH June

No.	Date	Type <sup>1</sup>	Duration (Hours)	Reason <sup>2</sup>	Method of Shutting Down Reactor <sup>3</sup>	Licensee Event Report #	System Code <sup>4</sup>	Component Code <sup>5</sup>	Cause & Corrective Action to Prevent Recurrence
84-31	840616	S		B	NA	NA	NA	NA	Ramped down to 90% for Turbine Valve Freedom Test. Unit returned to full power.
84-32	840625	F	27.6	A	3	84-005	NA	NA	Unit 2 Reactor trip due to broken air line to "A" Main Feed Regulator Valve. Repairs were made by installing flexible air lines on all Main Feed Regulator Valves.

<sup>1</sup>F: Forced  
S: Scheduled<sup>2</sup>

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)

<sup>3</sup>

Method:

1-Manual  
 2-Manual Scram.  
 3-Automatic Scram  
 4-Continuations  
 5-Load Reduction  
 9-Other

<sup>4</sup>

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

<sup>5</sup>

Exhibit H - Same Source

UNIT SHUTDOWN AND POWER REDUCTIONS

EXPLANATION SHEET      DOCKET NO. 50-339

REPORT MONTH June      UNIT NAME NA-2

YEAR 1984      DATE 07-05-84

COMPLETED BY Joan Lee

84-32

- (1) On June 25, 1984, at 1328 a Unit 2 Reactor trip was caused by a broken line on "A" Main feed Regulator Valve. Repairs were made and the Unit was on line June 26, 1984 at 1702. On June 27, 1984, at 0410 Unit 2 was at 100% power. Ended this month with Unit at 100% power.

VIRGINIA ELECTRIC AND POWER COMPANY  
NORTH ANNA POWER STATION

UNIT NO. 2

MONTH June

SUMMARY OF OPERATING EXPERIENCE

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>
June 1, 1984	0000	Began this month with Unit at 100% power.
June 16, 1984	0013	Commenced rampdown for Turbine Valve Freedom Test.
	0034	Stabilized power at 865 MW
	0134	Turbine Valve Freedom Test complete. Commenced rampup to 100%.
	0213	Stabilized power at 98% for calorimetric.
	0219	Calorimetric complete. Unit at 100% power.
June 25, 1984	1328	Unit 2 Reactor trip due to broken air line to "A" Main feed Regulator Valve.
	1908	Repairs made. Unit 2 Reactor critical.
June 26, 1984	1702	Unit 2 on line.
June 27, 1984	0410	Unit 2 at 100% power.
June 30, 1984	2400	Ended this month with Unit at 100% power.



VIRGINIA ELECTRIC AND POWER COMPANY  
RICHMOND, VIRGINIA 23261

W. L. STEWART  
VICE PRESIDENT  
NUCLEAR OPERATIONS

July 12, 1984

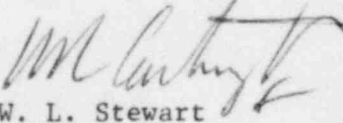
Mr. N. M. Haller, Director  
Office of Management and Program Analysis  
U. S. Nuclear Regulatory Commission  
Washington, D. C. 20555

Serial No. 419  
NO/JHL:acm  
Docket Nos. 50-338  
50-339  
License Nos. NPF-4  
NPF-7

Dear Mr. Haller:

Enclosed is the Monthly Operating Report for North Anna Power Station Unit Nos. 1 and 2 for the month of June, 1984.

Very truly yours,

  
W. L. Stewart

Enclosure (3 copies)

cc: Mr. R. C. DeYoung, Director (12 copies)  
Office of Inspection and Enforcement

Mr. James P. O'Reilly (1 copy)  
Regional Administrator  
Region II

Mr. M. W. Branch  
NRC Resident Inspector  
North Anna Power Station

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