VIRGINIA ELECTRIC AND POWER COMPANY

NORTH ANNA POWER STATION

MONTHLY OPERATING REPORT

MONTH August YEAR 1980

APPROVED:

W. R. Costanzo

STATION MANAGER

8009290321

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-338
UNIT NA 1
DATE 9-9-80
COMPLETED BY W. A. Woodsmall, III
TELEPHONE (703) 894-5151

MONTH August

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	809	17	631
2	810	18	833
3	808	19	838
4	808	20	838
5	808	21	838
6	807	22	838
7	807	23	836
8	807	24	828
9	809	25	820
10	744	26	810
11	832	27	835
12	831	28	841
13	830	29	835
14	809	30	829
15	834	31	837
16	830		

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)

OPERATING DATA REPORT

DOCKET NO. 50-338
DATE 09-09-80
COMPLETED BY W.A.Woodsmall,III
TELEPHONE 703/894-5151

OPERATING STATUS

1. Unit Name: North Anna 1
2. Reporting Period: August 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): 880
7. Maximum Dependable Capacity (Net MWe): 850
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	5,855	19,632
12. Number Of Hours Reactor Was Critical	744	4,979.8	15,145.0
13. Reactor Reserve Shutdown Hours	0	55.6	203.9
14. Hours Generator On-Line	744	4,780.7	14,833.9
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	2,037,456	12,158,081	38,437,994
17. Gross Electrical Energy Generated (MWH)	648,429	3,806,398	12,152,747
18. Net Electrical Energy Generated (MWH)	611,343	3,577,404	11,430,850
19. Unit Service Factor	100	81.6	75.5
20. Unit Availability Factor	100	81.6	75.5
21. Unit Capacity Factor (Using MDC Net)	96.7	71.9	68.5
22. Unit Capacity Factor (Using DER Net)	90.6	67.4	64.2
23. Unit Forced Outage Rate	0	11.3	6.8

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):
    Refueling-six weeks: December 1980 and January 1981

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		

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 80-338
UNIT NAME North Anna 1
DATE 9-9-80
COMPLETED BY Neufer
TELEPHONE (703) 894-5151 ext. 221

REPORT MONTH August 1980

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
No significant power reductions or plant shutdown's.									

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)

OPERATING DATA REPORT

DOCKET NO. 50-339
DATE 9-9-80
COMPLETED BY W. A. Woodsmall, III
TELEPHONE (703) 894-5151

OPERATING STATUS

1. Unit Name: North Anna 2
2. Reporting Period: August 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
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:
Item 3 changed from 139 to 2775 by Full Power License dated 8-21-80.
9. Power Level To Which Restricted, If Any (Net MWe): N/A
10. Reasons For Restrictions, If Any: N/A

Notes

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	744	1,208	1,208
12. Number Of Hours Reactor Was Critical	225.8	736.4	736.4
13. Reactor Reserve Shutdown Hours	0	0	0
14. Hours Generator On-Line	55	55	55
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	39,455	43,817	43,817
17. Gross Electrical Energy Generated (MWH)	8,174	8,174	8,174
18. Net Electrical Energy Generated (MWH)	6,562	6,562	6,562
19. Unit Service Factor	N/A	N/A	N/A
20. Unit Availability Factor	N/A	N/A	N/A
21. Unit Capacity Factor (Using MDC Net)	N/A	N/A	N/A
22. Unit Capacity Factor (Using DER Net)	N/A	N/A	N/A
23. Unit Forced Outage Rate	N/A	N/A	N/A

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):
TMI Modifications: November 1, 1980: 11 days
Maintenance: April 1, 1981: 11 days

25. If Shut Down At End Of Report Period, Estimated Date of Startup: 09-4-80

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

	Forecast	Achieved
INITIAL CRITICALITY		6/12/80
INITIAL ELECTRICITY		8/25/80
COMMERCIAL OPERATION	11/15/80	

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AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-339
UNIT NA 2
DATE 9-9-80
COMPLETED BY W. A. Woodsmall, III
TELEPHONE (703) 894-5151

MONTH August

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	0	17	0
2	0	18	0
3	0	19	0
4	0	20	0
5	0	21	0
6	0	22	0
7	0	23	0
8	0	24	0
9	0	25	28
10	0	26	14
11	0	27	102
12	0	28	128
13	0	29	0
14	0	30	0
15	0	31	0
16	0		

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

DOCKET NO. 50-339
UNIT NAME North Anna 2
DATE 09-09-80
COMPLETED BY A.G. Neufer
TELEPHONE 703/894-5151

REPORT MONTH August

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
Initial Power Generation begins 08-25-80 at 0547. (Not commercial)									
80-01	80-08-26	F	18.1	H*	3				Turbine trip/ Reactor trip when generator breaker was opened. Placed recorders on Reactor Protection Circuits to trace cause.
80-02	80-08-27	F	2.4	H*	3				Turbine Trip/Reactor Trip when Overspeed Protection Controller was activated during test.
80-03	80-08-28	F	2.0	A*	3				Steam Generator Lo Level Reactor Trip caused by loss of Feedwater Flow when Condensate Pump Suction Strainers were clogged up. Cleaned strainers.
80-04	80-08-23	F	79.5	D	1	-80-051/03L-0	HH	VALVEX	Unit Shutdown to comply with Technical Specifications TS. 3.6.3.1 Feedwater/ Containment Penetration Isolation.

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 SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH August

DOCKET NO. 50-339
UNIT NAME North Anna 2
DATE 09-09-80
COMPLETED BY A.G.Neufer
TELEPHONE 703/894-5151

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
80-04 Shut Down		F	Continues through end of month.						

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.
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Exhibit I - Same Source

(9/77)

UNIT SHUTDOWN AND POWER REDUCTIONS

EXPLANATION SHEET DOCKET NO. 50-339

REPORT MONTH August UNIT NAME North Anna 2

YEAR 1980 DATE 09-09-80

COMPLETED BY A. G. Neufer

80-01 Unit was being removed from service for a scheduled turbine overspeed test. When the last generator output breaker was opened, the turbine and reactor tripped. An improperly set transmitter PT-MS-232 caused turbine valves to pulse open raising the 1st stage press to greater than 10% (turbine power greater than 10% with generator output breakers open causes a turbine trip) resulting in a turbine trip and reactor trip.

80-02 When the Overspeed Protection Controller pulsed during the planned overspeed test it caused First Stage Impulse Pressure to go greater than 10% inducing a signal to reinstate the at-power trips.

80-03 Condensate Pump Suction Strainers clogged up causing a loss of Feedwater Flow.