

VIRGINIA ELECTRIC AND POWER COMPANY

SURRY POWER STATION

MONTHLY OPERATING REPORT

REPORT # 90-08

APPROVED:

  
Station Manager

9010120014 901005  
PDR ADCK 05000280  
R PDC

OPERATING DATA REPORT

DOCKET NO.: 50-280  
 DATE: 09/05/90  
 COMPLETED BY: L.A. Warren  
 TELEPHONE: (804)357-3184 x355

OPERATING STATUS

NOTES

1. Unit Name: Surry Unit 1
2. Reporting Period: AUG. 01-31, 1990
3. Licensed Thermal Power (MWt): 2441
4. Nameplate Rating (Gross MWe): 847.5
5. Design Electrical Rating (Net MWe): 788
6. Maximum Dependable Capacity (Gross MWe): 820
7. Maximum Dependable Capacity (Net MWe): 781
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons: \_\_\_\_\_

9. Power Level To Which Restricted, If Any (Net MWe): \_\_\_\_\_
10. Reason For Restrictions, If Any: \_\_\_\_\_

	<u>THIS MONTH</u>	<u>YTD</u>	<u>CUMULATIVE</u>
11. Hours In Reporting Period	744.0	5831.0	155087.0
12. Number of Hours Reactor Was Critical	744.0	5540.7	98291.5
13. Reactor Reserve Shutdown Hours	0	0	3774.5
14. Hours Generator On-Line	744.0	5527.0	96350.2
15. Unit Reserve Shutdown Hours	0	0	3736.2
16. Gross Thermal Energy Generated (MWH)	1614105.0	13126098.5	224242901.5
17. Gross Electrical Energy Generated (MWH)	519855.0	4385225.0	72930628.0
18. Net Electrical Energy Generated (MWH)	490754.0	4168041.0	69178971.0
19. Unit Service Factor	100%	94.8%	62.1%
20. Unit Availability Factor	100%	94.8%	64.5%
21. Unit Capacity Factor (Using MDC Net)	84.5%	91.5%	57.6%
22. Unit Capacity Factor (Using DER Net)	83.7%	90.7%	56.6%
23. Unit Forced Outage Rate	0	5.2%	20.8%
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): Refueling/Snubber Outage scheduled to begin 10/05/90, 62 days			

25. If Shut Down at End of Report Period Estimated Date of Startup: \_\_\_\_\_
26. Unit In Test Status (Prior to Commercial Operation): FORECAST ACHIEVED

INITIAL CRITICALITY	_____	_____
INITIAL ELECTRICITY	_____	_____
COMMERCIAL OPERATION	_____	_____

OPERATING DATA REPORT

DOCKET NO.: 50-281  
 DATE: 09/05/90  
 COMPLETED BY: L.A. Warren  
 TELEPHONE: (804)357-3184 x355

OPERATING STATUS

NOTES

1. Unit Name: Surry Unit 2
2. Reporting Period: AUG. 01-31, 1990
3. Licensed Thermal Power (Mwt): 2441
4. Nameplate Rating (Gross MWe): 847.5
5. Design Electrical Rating (Net MWe): 788
6. Maximum Dependable Capacity (Gross MWe): 820
7. Maximum Dependable Capacity (Net MWe): 781
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons: \_\_\_\_\_

9. Power Level To Which Restricted, If Any (Net MWe): \_\_\_\_\_
10. Reason For Restrictions, If Any: \_\_\_\_\_

	<u>THIS MONTH</u>	<u>YTD</u>	<u>CUMULATIVE</u>
11. Hours In Reporting Period	744.0	5831.0	151967.0
12. Number of Hours Reactor Was Critical	714.2	5655.2	96853.8
13. Reactor Reserve Shutdown Hours	0	0	328.1
14. Hours Generator On-Line	707.4	5637.7	95286.6
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	1632315.0	13429538.3	223039873.1
17. Gross Electrical Energy Generated (MWH)	526780.0	4460065.0	72540664.0
18. Net Electrical Energy Generated (MWH)	498085.0	4237471.0	68778430.0
19. Unit Service Factor	95.1%	96.7%	62.7%
20. Unit Availability Factor	95.1%	96.7%	62.7%
21. Unit Capacity Factor (Using MDC Net)	85.7%	93%	58.1%
22. Unit Capacity Factor (Using DER Net)	85.0%	92.2%	57.4%
23. Unit Forced Outage Rate	4.9%	3.3%	15.1
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):			

25. If Shut Down at End of Report Period Estimated Date of Startup: \_\_\_\_\_
26. Unit In Test Status (Prior to Commercial Operation): FORECAST ACHIEVED

INITIAL CRITICALITY	_____	_____
INITIAL ELECTRICITY	_____	_____
COMMERCIAL OPERATION	_____	_____

ATTACHMENT 2

VIRGINIA POWER COMPANY  
NORTH ANNA POWER STATION  
MONTHLY OPERATING REPORT

MONTH: August      YEAR: 1990

Approved:

  
Station Manager  
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OPERATING DATA REPORT

DOCKET NO.: 50-338  
 DATE: September 4, 90  
 COMPLETED BY: T. Phillips  
 PHONE: (703) 894-2537

OPERATING STATUS

- 1. Unit Name:.....North Anna 1
- 2. Reporting Period:.....August 1990
- 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):.. 959
- 7. Maximum Dependable Capacity (Net MWe):.... 911

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	5,831.0	106,883.0
12. Number of Hours Reactor was Critical.....	744.0	5,819.4	77,061.9
13. Reactor Reserve Shutdown Hours.....	0.0	0.0	6,603.6
14. Hours Generator On-Line.....	744.0	5,797.0	74,291.0
15. Unit Reserve Shutdown Hours.....	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH).....	2,148,642.4	16,706,471.9	198,597,249.9
17. Gross Electrical Energy Generated (MWH).....	707,195.0	5,542,966.0	65,249,788.0
18. Net Electrical Energy Generated (MWH).....	672,026.0	5,271,222.0	61,766,435.0
19. Unit Service Factor.....	100.0%	99.4%	69.5%
20. Unit Availability Factor.....	100.0%	99.4%	69.5%
21. Unit Capacity Factor (using MDC Net).....	99.2%	99.1%	64.6%
22. Unit Capacity Factor (using DER Net).....	99.6%	99.7%	63.7%
23. Forced Outage Rate.....	0.0	0.6%	13.0%

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_ \*60 day Refueling Outage scheduled 1/4/91 \_\_\_\_\_

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	_____	_____

