

CORRECTED COPY\*  
01/05/90

OPERATING DATA REPORT

DOCKET NO.: 50-281  
DATE: 10/05/89  
COMPLETED BY: Linda A. Warren  
TELEPHONE: (804)357-3184 x477

OPERATING STATUS

NOTES

1. Unit Name: Surry Unit 2
2. Reporting Period: Sept 1 - 30, 1989
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	<u>720.0</u>	<u>6551.0</u>	<u>143927.0</u>
12. Number of Hours Reactor Was Critical	<u>327.1 *</u>	<u>327.1 *</u>	<u>90021.4 *</u>
13. Reactor Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>328.1</u>
14. Hours Generator On-Line	<u>189.2 *</u>	<u>189.2 *</u>	<u>88482.2 *</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
16. Gross Thermal Energy Generated (MWH)	<u>187755.9</u>	<u>187755.9</u>	<u>206928192.0</u>
17. Gross Electrical Energy Generated (MWH)	<u>46725.0</u>	<u>46725.0</u>	<u>67182969.0</u>
18. Net Electrical Energy Generated (MWH)	<u>40831.0</u>	<u>40831.0</u>	<u>63688209.0</u>
19. Unit Service Factor	<u>26.3%</u>	<u>2.9%</u>	<u>61.5%</u>
20. Unit Available Factor	<u>26.3%</u>	<u>2.9%</u>	<u>61.5%</u>
21. Unit Capacity Factor (Using MDC Net)	<u>7.3%</u>	<u>.8%</u>	<u>56.5%*</u>
22. Unit Capacity Factor (Using DER Net)	<u>7.2%</u>	<u>.8%</u>	<u>56.2%</u>
23. Unit Forced Rate	<u>34.2%*</u>	<u>34.2%*</u>	<u>15.0%*</u>

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 \_\_\_\_\_

9001230020 900115  
 PDR ADDCK 05000280  
 R PDC

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## UNIT SHUTDOWN AND POWER REDUCTION

REPORT MONTH: SEPTEMBER 1989DOCKET NO.: 50-281UNIT NAME: Surry Unit 2DATE: 10/05/89COMPLETED BY: Christie ArneyTELEPHONE: 804-357-3184 x477

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 RECURRENT
*C-9-6	09-01-89	S	432.6	C	1,3	281/88-22			Unit shutdown for Refueling Outage, automatic reactor trip.
*C-10-2	09-19-89	F	20.5	G	3	281/89-10	JB	SG	'B' Steam Generator Lo-Lo Level while attempting to place Main Feed Regulator Valves inservice.
*	09-22-89	F	19.8	B	4	N/A	TA	TB	Unit taken off line for Turbine Overspeed Test and Balancing of Main Turbine. Reactor remained Critical.
*	09-28-89	F	57.9	B	4	N/A	TA	TB	Unit taken off line for Turbine Balancing. Reactor remained critical.

(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 1 - Same Source