

OPERATING DATA REPORT

DOCKET NO. 50-413  
 DATE 1/15/86  
 COMPLETED BY J. A. Reavis  
 TELEPHONE 704/373-7567

OPERATING STATUS

1. Unit Name: Catawba 1
2. Reporting Period: December 1, 1985-December 31, 1985
3. Licensed Thermal Power (MWt): 3411
4. Nameplate Rating (Gross MWe): 1205
5. Design Electrical Rating (Net MWe): 1145
6. Maximum Dependable Capacity (Gross MWe): \_\_\_\_\_
7. Maximum Dependable Capacity (Net MWe): 1145
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:  
None

Notes

9. Power Level To Which Restricted, If Any (Net MWe): None
10. Reasons For Restrictions, If Any: \_\_\_\_\_

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	<u>744.0</u>	<u>4 465.0</u>	<u>4 465.0</u>
12. Number Of Hours Reactor Was Critical	<u>696.3</u>	<u>3 612.3</u>	<u>3 612.3</u>
13. Reactor Reserve Shutdown Hours	<u>---</u>	<u>---</u>	<u>---</u>
14. Hours Generator On-Line	<u>691.1</u>	<u>3 515.7</u>	<u>3 515.7</u>
15. Unit Reserve Shutdown Hours	<u>---</u>	<u>---</u>	<u>---</u>
16. Gross Thermal Energy Generated (MWH)	<u>1 868 354</u>	<u>10 690 180</u>	<u>10 690 180</u>
17. Gross Electrical Energy Generated (MWH)	<u>648 600</u>	<u>3 684 269</u>	<u>3 684 269</u>
18. Net Electrical Energy Generated (MWH)	<u>606 162</u>	<u>3 440 514</u>	<u>3 440 514</u>
19. Unit Service Factor	<u>92.9</u>	<u>78.7</u>	<u>78.7</u>
20. Unit Availability Factor	<u>92.9</u>	<u>78.7</u>	<u>78.7</u>
21. Unit Capacity Factor (Using MDC Net)	<u>71.2</u>	<u>67.3</u>	<u>67.3</u>
22. Unit Capacity Factor (Using DER Net)	<u>71.2</u>	<u>67.3</u>	<u>67.3</u>
23. Unit Forced Outage Rate	<u>7.1</u>	<u>21.3</u>	<u>21.3</u>

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):

NONE

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	_____	_____

*JE24*

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-413  
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MONTH December, 1985

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>679</u>	17	<u>691</u>
2	<u>915</u>	18	<u>689</u>
3	<u>1 070</u>	19	<u>971</u>
4	<u>1 131</u>	20	<u>597</u>
5	<u>1 086</u>	21	<u>---</u>
6	<u>658</u>	22	<u>21</u>
7	<u>654</u>	23	<u>972</u>
8	<u>487</u>	24	<u>1 034</u>
9	<u>493</u>	25	<u>634</u>
10	<u>550</u>	26	<u>1 077</u>
11	<u>688</u>	27	<u>1 122</u>
12	<u>691</u>	28	<u>1 139</u>
13	<u>752</u>	29	<u>1 139</u>
14	<u>1 109</u>	30	<u>1 033</u>
15	<u>1 135</u>	31	<u>1 115</u>
16	<u>962</u>		

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. 50-413  
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 DATE 1/15/86  
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 TELEPHONE 704-373-7567

REPORT MONTH December 1985

No.	Date	Type <sup>1</sup>	Duration (Hours)	Reason <sup>2</sup>	Method of Shutting Down Reactor <sup>3</sup>	License Event Report #	Systems Code <sup>4</sup>	Component Code <sup>5</sup>	Cause & Corrective Action to Prevent Recurrence
46-p	85-12-01	F	--	A	-		CH	PUMPXX	Secured Main Feedwater Pump (B) Due to High Inboard Bearing Temperature
47-p	85-12-02	F	--	A	-		CH	PUMPXX	High Feedwater Pump 1B Journal Bearing Temperature
48-p	85-12-02	F	--	A	-		CH	PUMPXX	High Feedwater Pump 1A Vibration
49-p	85-12-03	F	--	A	-		CH	PUMPXX	High Feedwater Pump 1B Journal Bearing Temperature
50-p	85-12-05	F	--	A	-		CH	HTEXCH	Feedwater Heater Tube Leaks
51-p	85-12-05	F	--	B	-		CC	VALVEX	Control Valve Movement Test
52-p	85-12-05	F	--	A	-		CH	PUMPXX	High Feedwater Pump 1A Outboard Bearing Temperature
53-p	85-12-07	F	--	D	-		RC	FUELXX	Quadrant Power Tilt Ratio Out of Spec
54-p	85-12-10	F	--	A	-		CH	PUMPXX	High Feedwater Pump 1A Outboard Bearing Temperature
55-p	85-12-16	F	--	A	-		CH	PUMPXX	Main Feedwater Pump 1B Inboard Bearing Housing Repair

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

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-413  
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REPORT MONTH December 1985

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56-p	85-12-19	F	--	A	-		CH	PUMPXX	High Feedwater Pump 1B Outboard Bearing Temperature
57-p	85-12-19	F	--	A	-		CH	PUMPXX	High Feedwater Pump 1B Outboard Bearing Temperature
7	85-12-20	F	52.88	A	3		CH	VALVEX	Feedwater Reg. Valve Failure (1CF28) (RX Trip on Lo Lo S/G Level)
58-p	85-12-23	F	--	A	-		CH	PUMPXX	High Feedwater Pump 1B Inboard Journal Bearing Temperature
59-p	85-12-24	F	--	A	-		CH	VALVEX	Feedwater Reg. Valve Failure (1CF28)
60-p	85-12-26	F	--	A	-		CH	PUMPXX	High Feedwater Pump 1B Inboard Journal Bearing Temperature
61-p	85-12-27	S	--	B	-		CC	VALVEX	Control Valve Movement Test
62-p	85-12-30	F	--	A	-		CH	PUMPXX	High Feedwater Pump 1B Inboard Journal Bearing Temperature
63-p	85-12-30	F	--	A	-		CH	PUMPXX	High Feedwater Pump 1B Inboard Bearing Temperature

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)

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REPORT MONTH December 1985

No.	Date	Type <sup>1</sup>	Duration (Hours)	Reason <sup>2</sup>	Method of Shutting Down Reactor <sup>3</sup>	License Event Report #	Systems Code <sup>4</sup>	Component Code <sup>5</sup>	Cause & Corrective Action to Prevent Recurrence
64-p	85-12-31	F	--	A	-		CH	PUMPXX	High Feedwater Pump 1B Inboard Journal Bearing Temperature

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)

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Method:  
 1-Manual  
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Exhibit I - Same Source

Docket No.: 50-413

Unit: Catawba 1

Date. 1/15/86

Month: December, 1985

Catawba Unit 1 began December at 85% power due to bearing temperature problems on a main feedwater pump. Due to these problems, the unit operated at various power levels throughout the month, ending at 95% power.

MONTHLY REFUELING INFORMATION REQUEST

1. Facility name: Catawba Unit 1
2. Scheduled next refueling shutdown: August, 1986
3. Scheduled restart following refueling: November, 1986
4. Will refueling or resumption of operation thereafter require a technical specification change or other license amendment? YES  
If yes, what will these be? Technical Specification Revision

If no, has reload design and core configuration been reviewed by Safety Review Committee regarding unreviewed safety questions? N/A

5. Scheduled date(s) for submitting proposed licensing action and supporting information: N/A
6. Important licensing considerations (new or different design or supplier, unreviewed design or performance analysis methods, significant changes in design or new operating procedures).  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

7. Number of fuel assemblies (a) in the core: 193  
(b) in the spent fuel pool: ---

8. Present licensed fuel pool capacity: 1418  
Size of requested or planned increase: \_\_\_\_\_

9. Projected date of last refueling which can be accommodated by present licensed capacity: August 2008

DUKE POWER COMPANY

Date: January 15, 1986

Name of Contact: J. A. Reavis

Phone: 704-373-7567

CATAWBA NUCLEAR STATION  
MONTHLY OPERATING STATUS REPORT

1. Personnel Exposure

For the month of November, no individual(s) exceeded 10 percent of their allowable annual radiation dose limit.

2. The total station liquid release for November has been compared with the Technical Specifications maximum annual dose commitment and was less than 10 percent of this limit.

The total station gaseous release for November has been compared with the Technical Specifications maximum annual dose commitment and was less than 10 percent of this limit.