

OPERATING DATA REPORT

DOCKET NO 50-413  
 DATE January 15, 1992  
 COMPLETED BY R.A. Williams  
 TELEPHONE 704-373-2987

OPERATING STATUS

Notes \*Nameplate Rating  
 (Gross MWe) calculated as  
 1450,000 MVA x .90 power  
 factor per Page III,  
 NUREG-0020.

1. Unit Name: Catawba 1
2. Reporting Period: December 1, 1991-December 31, 1991
3. Licensed Thermal Power (MWt): 3411
4. Nameplate Rating (Gross MWe): 1305\*
5. Design Electrical Rating (Net MWe): 1145
6. Maximum Dependable Capacity (Gross MWe): 1192
7. Maximum Dependable Capacity (Net MWe): 1129
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: \_\_\_\_\_

This Month      Yr.-to-Date      Cumulative

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	744.0	8760.0	57049.0
12. Number Of Hours Reactor Was Critical	744.0	6372.6	42390.2
13. Reactor Reserve Shutdown Hours	--0--	--0--	--0--
14. Hours Generator On-Line	744.0	6231.0	41395.9
15. Unit Reserve Shutdown Hours	--0--	--0--	--0--
16. Gross Thermal Energy Generated (MWH)	2527212	20184661	133486305
17. Gross Electrical Energy Generated (MWH)	893170	7104920	46869404
18. Net Electrical Energy Generated (MWH)	847090	6647465	43933694
19. Unit Service Factor	100.0	71.1	72.6
20. Unit Availability Factor	100.0	71.1	72.6
21. Unit Capacity Factor (Using MDC Net)	100.9	67.4	67.8
22. Unit Capacity Factor (Using DER Net)	99.4	66.5	67.3
23. Unit Forced Outage Rate	0.0	4.1	11.5

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

Refueling - June 25, 1992, 65 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

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

OPERATING DATA REPORT

DOCKET NO 50-412  
 UNIT Catawba 1  
 DATE January 15, 1991  
 COMPLETED BY R.A. Williams  
 TELEPHONE 704-379-5987

MONTH December, 1991

<u>DAY</u>	<u>AVERAGE DAILY POWER LEVEL (MWe-Net)</u>	<u>DAY</u>	<u>AVERAGE DAILY POWER LEVEL (MWe-Net)</u>
1	<u>1125</u>	17	<u>1143</u>
2	<u>1118</u>	18	<u>1140</u>
3	<u>1131</u>	19	<u>1142</u>
4	<u>1143</u>	20	<u>1143</u>
5	<u>1143</u>	21	<u>1140</u>
6	<u>1142</u>	22	<u>1138</u>
7	<u>1141</u>	23	<u>1137</u>
8	<u>1139</u>	24	<u>1140</u>
9	<u>1132</u>	25	<u>1142</u>
10	<u>1131</u>	26	<u>1144</u>
11	<u>1140</u>	27	<u>1145</u>
12	<u>1139</u>	28	<u>1122</u>
13	<u>1135</u>	29	<u>1146</u>
14	<u>1134</u>	30	<u>1145</u>
15	<u>1146</u>	31	<u>1145</u>
16	<u>1146</u>		

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH December 1991

DOCKET NO. 50-413  
 UNIT NAME CATAWBA 1  
 DATE 01/15/92  
 COMPLETED BY S. W. MUSER  
 TELEPHONE (704)-373-5762

NO.	DATE	(1) TYPE	DURATION HOURS	(2) REASON	(3) METHOD OF SHUT DOWN R/X	LICENSE EVENT REPORT NO.	(4) SYS- TEM CODE	(5) COMPONENT CODE	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
		NO	SHUTDOWNS	OR		REDUCTIONS			

- (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-Operator 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

DOCKET NO: 50-513

UNIT: Catawba 1

DATE: 1/15/92

NARRATIVE SUMMARY

MONTH: December 1991

Catawba Unit 1 began the month of December operating at 100% full power. The unit operated at or near 100% full power for the entire month, and ended the month operating at 100% full power.

Prepared by: S. W. Moser  
Telephone: 704-373-5762

MONTHLY REFUELING INFORMATION REQUEST

1. Facility name: Catawba, Unit 1
2. Scheduled next refueling shutdown: June 1992
3. Scheduled restart following refueling: August 1992

THE PROJECT MANAGER HAS BEEN ADVISED BY SEPARATE COMMUNICATION OF ANY T.S. CHANGE OR LICENSE AMENDMENT. THEREFORE, QUESTIONS 4 THROUGH 6 WILL NO LONGER BE MAINTAINED IN THIS REPORT.

4. Will refueling or resumption of operation thereafter require a technical specification change or other license amendment?

If yes, what will these be?

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

5. Scheduled date(s) for submitting proposed licensing action and supporting information.
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: 336
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: September 2009

DUKE POWER COMPANY

DATE: January 15, 1991

Name of Contact: R. A. Williams

Phone: 704-373-5987

OPERATING DATA REPORT

DOCKET NO 50-414  
 DATE January 15, 1992  
 COMPLETED BY R.A. Williams  
 TELEPHONE 704-872-5987

OPERATING STATUS

1. Unit Name: Catawba 2
2. Reporting Period: December 1, 1991-December 31, 1991
3. Licensed Thermal Power (MWt): 3411
4. Nameplate Rating (Gross MWe): 1305\*
5. Design Electrical Rating (Net MWe): 1145
6. Maximum Dependable Capacity (Gross MWe): 1192
7. Maximum Dependable Capacity (Net MWe): 1129
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons: \_\_\_\_\_

Notes \*Nameplate Rating (Gross MWe) calculated as 1450,000 MVA x .90 power factor per Page iii, NUREG-0020.

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

This Month    Yr.-to-Date    Cumulative

11. Hours In Reporting Period	744.0	8760.0	47065.0
12. Number Of Hours Reactor Was Critical	234.9	6699.6	34297.6
13. Reactor Reserve Shutdown Hours	--0--	--0--	--0--
14. Hours Generator On-Line	200.0	6622.2	33568.2
15. Unit Reserve Shutdown Hours	--0--	--0--	--0--
16. Gross Thermal Energy Generated (MWH)	488747	21757097	105126177
17. Gross Electrical Energy Generated (MWH)	169212	7712480	37175905
18. Net Electrical Energy Generated (MWH)	146759	7271256	34853869
19. Unit Service Factor	26.9	75.6	71.3
20. Unit Availability Factor	26.9	75.6	71.3
21. Unit Capacity Factor (Using MDC Net)	17.5	73.5	65.4
22. Unit Capacity Factor (Using DER Net)	17.2	72.5	64.7
23. Unit Forced Outage Rate	14.6	6.6	13.1

24. Shutdown 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

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

OPERATING DATA REPORT

DOCKET NO 50-414  
 UNIT Columba P  
 DATE January 15, 1991  
 COMPLETED BY R.A. Williams  
 TELEPHONE 704-273-5987

MONTH December, 1991

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	218
9	0	25	480
10	0	26	643
11	0	27	731
12	0	28	1009
13	0	29	1142
14	0	30	1159
15	0	31	1158
16	0		

## UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-414

UNIT NAME CATAWBA 2

DATE 01/15/92

REPORT MONTH December 1991

COMPLETED BY S. W. MOSER

TELEPHONE (704)-373-5762

NO.	DATE	(1)	DURATION HOURS	(2)	(3)	LICENSE EVENT REPORT NO.	(4)	(5)	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
		T Y P E		R E A S O N	M E T H O D O F S H U T D O W N R/X		S Y S T E M C O D E	C O M P O N E N T C O D E	
8	91-12- 1	S	507.57	C	1		RC	FUELXX	END-OF-CYCLE '4' REFUELING OUTAGE
9	91-12-22	F	34.28	A	--		HH	VALVEX	LEAKING AUXILIARY FEEDWATER VALVE
10	91-12-23	S	2.18	B	3		HA	TURBIN	TURBINE OVERSPEED TRIP TEST
14-P	91-12-24	S	--	B	--		RC	FUELXX	CORE FLUX MAPPING
15-P	91-12-25	S	--	E	--		HH	INSTRU	TURBINE / FEEDWATER CONTROL TESTING
16-P	91-12-25	F	--	A	--		HH	TURBIN	'2A' FEEDWATER PUMP TURBINE PROBLEMS
17-P	91-12-26	F	--	A	--		HH	INSTRU	LOSS OF FEEDWATER PUMP TURBINE DUE TO LOSS OF DC CONTROL POWER
18-P	91-12-27	F	--	A	--		HH	INSTRU	HOLD DUE TO TURBINE RUNBACK ALARM
19-P	91-12-27	S	--	B	--		RC	FUELXX	CORE FLUX MAPPING

(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-Operator 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



DOCKET NO: 50-414

UNIT: Catawba 2

DATE: 1/15/92

#### NARRATIVE SUMMARY

MONTH: December, 1991

Catawba Unit 2 began the month of December shut down for its end-of-cycle '4' refueling outage. The unit was placed on-line at 1351 on 12/23 to end the refueling outage. The unit was tripped back off-line at 2059 on 12/23 for the turbine overspeed trip test. At 2310 on 12/23, the unit was placed back on-line, and a power increase was begun. The unit was held at approximately 20% power from 0810 to 1024 on 12/24 for core flux mapping, at approximately 30% power from 0100 to 0550 on 12/25 for turbine/feedwater control testing, and at approximately 50% power from 1104 on 12/25 to 0030 on 12/26 due to '2A' feedwater pump turbine problems. The unit was then held at approximately 60% power from 0400 on 12/26 to 1020 on 12/27 due to the loss of a feedwater pump turbine on loss of DC control power. At 1033 on 12/27, the unit was held at approximately 62% power until 1542 on 12/27 due to a false turbine runback alarm. The unit was next held at approximately 75% power from 2245 on 12/27 to 0450 on 12/28 for core flux mapping. The unit reached 100% full power at 1945 on 12/28, and operated at 100% full power for the remainder of the month.

Prepared by: S. W. Moser  
Telephone: 704-373-5762

MONTHLY REFUELING INFORMATION REQUEST

1. Facility name: Catawba, Unit 2
2. Scheduled next refueling shutdown: January 1993
3. Scheduled restart following refueling: April 1993

THE PROJECT MANAGER HAS BEEN ADVISED BY SEPARATE COMMUNICATION OF ANY T.S. CHANGE OR LICENSE AMENDMENT. THEREFORE, QUESTIONS 4 THROUGH 6 WILL NO LONGER BE MAINTAINED IN THIS REPORT.

4. Will refueling or resumption of operation thereafter require a technical specification change or other license amendment?

If yes, what will these be?

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

5. Scheduled date(s) for submitting proposed licensing action and supporting information.
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: 280
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: September 2011

DUKE POWER COMPANY

DATE: January 15, 1991

Name of Contact: R. A. Williams

Phone: 704-373-5987