

# OPERATING DATA REPORT

## OPERATING STATUS

DOCKET NO 50-413

DATE October 15, 1996

COMPLETED BY R.R. Williams

TELEPHONE 704-382-5346

1. Unit Name: Catawba 1
2. Reporting Period: September 1, 1996-September 30, 1996
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 .70 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	720.0	6575.0	98688.0
12. Number Of Hours Reactor Was Critical	0.0	3812.7	76106.4
13. Reactor Reserve Shutdown Hours	--0--	--0--	--0--
14. Hours Generator On-Line	0.0	3773.8	74862.5
15. Unit Reserve Shutdown Hours	--0--	--0--	--0--
16. Gross Thermal Energy Generated (MWH)	0	12337402	244287461
17. Gross Electrical Energy Generated (MWH)	0	4420713	86323524
18. Net Electrical Energy Generated (MWH)	-19234	4146090	81191179
19. Unit Service Factor	0.0	57.4	75.9
20. Unit Availability Factor	0.0	57.4	75.9
21. Unit Capacity Factor (Using MDC Net)	0.0	55.9	72.6
22. Unit Capacity Factor (Using DER Net)	0.0	55.1	71.8
23. Unit Forced Outage Rate	0.0	4.1	8.0

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

Currently Refueling and Steam Generator Replacement Outage

25. If Shut Down At End Of Report Period. Estimated Date of Startup: October 04, 1996

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

Forecast      Achieved

INITIAL CRITICALITY  
INITIAL ELECTRICITY  
COMMERCIAL OPERATION

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

# OPERATING DATA REPORT

DOCKET NO 50-413  
 UNIT Catawba 1  
 DATE October 15, 1996  
 COMPLETED BY R.A. Williams  
 TELEPHONE 704-382-5346

MONTH September, 1996

DAY AVERAGE DAILY POWER LEVEL  
(MWe-Net)

1	<u>0</u>
2	<u>0</u>
3	<u>0</u>
4	<u>0</u>
5	<u>0</u>
6	<u>0</u>
7	<u>0</u>
8	<u>0</u>
9	<u>0</u>
10	<u>0</u>
11	<u>0</u>
12	<u>0</u>
13	<u>0</u>
14	<u>0</u>
15	<u>0</u>
16	<u>0</u>

DAY AVERAGE DAILY POWER LEVEL  
(MWe-Net)

17	<u>0</u>
18	<u>0</u>
19	<u>0</u>
20	<u>0</u>
21	<u>0</u>
22	<u>0</u>
23	<u>0</u>
24	<u>0</u>
25	<u>0</u>
26	<u>0</u>
27	<u>0</u>
28	<u>0</u>
29	<u>0</u>
30	<u>0</u>

## UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-413

UNIT NAME CATAWBA 1

DATE 10/15/96

REPORT MONTH September 1996

COMPLETED BY R. A. Williams

TELEPHONE (704)-382-5346

NO.	DATE	(1) TYPE	DURATION HOURS	(2) REASON	(3) METHOD OF SHUT DOWN R/X	LICENSE EVENT REPORT NO.	(4) SYSTEM CODE	(5) COMPONENT CODE	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
3	96- 9- 1	S	478.30	C	--		RC	FUELXX	END-OF-CYCLE 09 REFUELING OUTAGE AND MAINTENACE
4	96- 9-20	S	241.70	A	--		CH	HTEXCH	10.07 DAY OUTAGE EXTENTION DUE TO STEAM GENERATOR REPLACEMNET ACTIVITIES

(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

MONTHLY REFUELING INFORMATION REQUEST

1. Facility name: Catawba, Unit 1
2. Scheduled next refueling shutdown: Currently Refueling
3. Scheduled restart following refueling: October 1996

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: 632
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 license capacity:  
September 2009

DUKE POWER COMPANY

DATE: October 15, 1996

Name of Contact: R. A. Williams

Phone: (704) - 382-5346

DOCKET: 50 -413

UNIT: Catawba 1

Date: 10/15/96

### NARRATIVE SUMMARY

MONTH: September, 1996

Catawba Unit 1 began the month of September in end-of-cycle 09 refueling and maintenance outage which includes steam generator replacement work. The refueling and maintenance outage has spanned a total of 110.07 days and was scheduled for 100 days. On 09/20/96 at 2218 the refueling and maintenance outage was extended an additional 10.07 days due to steam generator replacement activities. The unit was in the steam generator replacement activities outage the remainder of the month.

Prepared by: R. A. Williams  
Telephone: (704) - 382-5346

# OPERATING DATA REPORT

## OPERATING STATUS

1. Unit Name: Catawba 2
2. Reporting Period: September 1, 1996-September 30, 1996
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: \_\_\_\_\_

DOCKET NO 50-414  
 DATE October 15, 1996  
 COMPLETED BY R.A. Williams  
 TELEPHONE 704-382-5346

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	720.0	6575.0	88704.0
12. Number Of Hours Reactor Was Critical	720.0	6127.8	70293.9
13. Reactor Reserve Shutdown Hours	--0--	--0--	--0--
14. Hours Generator On-Line	720.0	6073.9	69211.6
15. Unit Reserve Shutdown Hours	--0--	--0--	--0--
16. Gross Thermal Energy Generated (MWH)	2450825	20449333	223865871
17. Gross Electrical Energy Generated (MWH)	871354	7294130	79398497
18. Net Electrical Energy Generated (MWH)	827655	6909465	74821722
19. Unit Service Factor	100.0	92.4	78.0
20. Unit Availability Factor	100.0	92.4	78.0
21. Unit Capacity Factor (Using MDC Net)	101.8	93.1	74.6
22. Unit Capacity Factor (Using DER Net)	100.4	91.8	73.7
23. Unit Forced Outage Rate	0.0	7.6	8.8
24. Shutdown Scheduled Over Next 6 Months (Type, Date, and Duration of Each):			
Refueling - March 14, 1997 - 45 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 50-414  
UNIT Catawba 2  
DATE October 15, 1996  
COMPLETED BY R.A. Williams  
TELEPHONE 704-382-5346

MONTH September, 1996

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>1149</u>
2	<u>1146</u>
3	<u>1144</u>
4	<u>1144</u>
5	<u>1147</u>
6	<u>1147</u>
7	<u>1148</u>
8	<u>1146</u>
9	<u>1143</u>
10	<u>1146</u>
11	<u>1148</u>
12	<u>1148</u>
13	<u>1153</u>
14	<u>1158</u>
15	<u>1157</u>
16	<u>1148</u>

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	<u>1146</u>
18	<u>1155</u>
19	<u>1156</u>
20	<u>1156</u>
21	<u>1155</u>
22	<u>1156</u>
23	<u>1155</u>
24	<u>1153</u>
25	<u>1150</u>
26	<u>1147</u>
27	<u>1141</u>
28	<u>1141</u>
29	<u>1152</u>
30	<u>1151</u>



## UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH September 1996

DOCKET NO. 50-414  
 UNIT NAME CATAWBA 2  
 DATE 10/15/96  
 COMPLETED BY R. A. Williams  
 TELEPHONE (704)-382-5346

N O .	DATE	(1) T Y P E	DURATION HOURS	(2) R E A S O N	(3) M E T H O D O F S H U T D O W N R/X	LICENSE EVENT REPORT NO.	(4) S Y S T E M C O D E	(5) C O M P O N E N T C O D E	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
		NO	SHUTDOWNS	OR		REDUCTION	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-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-0151)

(5)  
 Exhibit I - Same Source



MONTHLY REFUELING INFORMATION REQUEST

1. Facility name: Catawba, Unit 2
2. Scheduled next refueling shutdown: March 1997
3. Scheduled restart following refueling: April 1997

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: 524
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 license capacity:  
September 2011

DUKE POWER COMPANY

DATE: October 15, 1996

Name of Contact: R. A. Williams

Phone: (704) - 382-5346

DOCKET: 50- 414

UNIT: Catawba 2

Date: 10/15/96

### NARRATIVE SUMMARY

MONTH: September, 1996

Catawba Unit 2 began the month of September operating at 100% full power. The unit operated at or near 100% full power for the entire month.

Prepared by: R. A. Williams  
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