

# OPERATING DATA REPORT

DOCKET NO. 50-413  
 DATE January 14, 1994  
 COMPLETED BY R.A. Williams  
 TELEPHONE 704-382-5346

## OPERATING STATUS

1. Unit Name: Catawba 1
2. Reporting Period: December 1, 1993-December 31, 1993
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	74593.0
12. Number Of Hours Reactor Was Critical	46.9	6991.5	55778.1
13. Reactor Reserve Shutdown Hours	--0--	--0--	--0--
14. Hours Generator On-Line	9.4	6918.6	54853.5
15. Unit Reserve Shutdown Hours	--0--	--0--	--0--
16. Gross Thermal Energy Generated (MWH)	9102	22705728	177242536
17. Gross Electrical Energy Generated (MWH)	968	8038916	62364135
18. Net Electrical Energy Generated (MWH)	-12604	7579388	58544629
19. Unit Service Factor	1.3	79.0	73.3
20. Unit Availability Factor	1.3	79.0	73.3
21. Unit Capacity Factor (Using MDC Net)	0.0	76.6	69.2
22. Unit Capacity Factor (Using DER Net)	0.0	75.6	68.6
23. Unit Forced Outage Rate	0.0	4.6	10.3
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: January 01, 1994

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 January 14, 1993  
COMPLETED BY R.A. Williams  
TELEPHONE 704-382-5346

MONTH December, 1993

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>
31	<u>0</u>

## UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH December 1993DOCKET NO. 50-413UNIT NAME CATAWBA 1DATE 01/14/94COMPLETED BY R. A. WilliamsTELEPHONE (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
4	93-12- 1	S	734.02	C	--		RC	FUELXX	END OF CYCLE 7 REFUELING OUTAGE
12-P	93-12-31	F	--	A	--		HA	INSTRU	TURBINE CONTROL SYSTEM PROBLEM
13-P	93-12-31	S	--	B	--		HA	TURBIN	HOLD FOR TURBINE WARMING/SOAK
5	93-12-31	S	0.62	B	--		HA	TURBIN	TURBINE OVERSPEED TRIP TEST

(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: 50-413

UNIT: Catawba 1

Date: 01/14/94

#### NARRATIVE SUMMARY

MONTH: December 1993

Catawba Unit 1 began the month of December with end-of-cycle 7 refueling outage. The refueling outage ended on 12/31/93 at 1401. The unit was held at 12% power on 12/31/93 at 1720 to 1805 due to turbine control system problems, and at 19% power on 12/31/93 at 1835 to 2130 for main turbine warming. The turbine was tripped to perform the overspeed trip test on 12/31/93 at 2323. The unit remained in the outage for the remainder of the month.

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

MONTHLY REFUELING INFORMATION REQUEST

1. Facility name: Catawba, Unit 1
2. Scheduled next refueling shutdown: February 1995
3. Scheduled restart following refueling: April 1995

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 licence 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: 484
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 14, 1994

Name of Contact: R. A. Williams

Phone: (704)-382-5346

# OPERATING DATA REPORT

DOCKET NO. 50-414  
 DATE January 14, 1994  
 COMPLETED BY R.A. Williams  
 TELEPHONE 704-382-5346

## OPERATING STATUS

1. Unit Name: Catawba 2
2. Reporting Period: December 1, 1993-December 31, 1993
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	64609.0
12. Number Of Hours Reactor Was Critical	744.0	7294.5	49940.9
13. Reactor Reserve Shutdown Hours	--0--	--0--	--0--
14. Hours Generator On-Line	744.0	7233.9	49079.5
15. Unit Reserve Shutdown Hours	--0--	--0--	--0--
16. Gross Thermal Energy Generated (MMWh)	2524163	24197893	156889639
17. Gross Electrical Energy Generated (MMWh)	906242	8616284	55577259
18. Net Electrical Energy Generated (MMWh)	860462	8162731	52290057
19. Unit Service Factor	100.0	82.6	76.0
20. Unit Availability Factor	100.0	82.6	76.0
21. Unit Capacity Factor (Using MDC Net)	102.4	82.5	71.5
22. Unit Capacity Factor (Using DER Net)	101.0	81.4	70.7
23. Unit Forced Outage Rate	0.0	0.6	9.7

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

Refueling - April 29, 1994 - 68 days

25. If Shut Down At End Of Report Period, Estimated Date of Startup: \_\_\_\_\_

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

INITIAL CRITICALITY  
 INITIAL ELECTRICITY  
 COMMERCIAL OPERATION

Forecast	Achieved
_____	_____
_____	_____
_____	_____

# OPERATING DATA REPORT

DOCKET NO 50-414  
UNIT Catawba 2  
DATE January 14, 1993  
COMPLETED BY R.A. Williams  
TELEPHONE 704-382-5346

MONTH December, 1993

DAY AVERAGE DAILY POWER LEVEL  
(MWe-Net)

1	<u>1123</u>
2	<u>1160</u>
3	<u>1159</u>
4	<u>1152</u>
5	<u>1137</u>
6	<u>1157</u>
7	<u>1158</u>
8	<u>1158</u>
9	<u>1137</u>
10	<u>1153</u>
11	<u>1156</u>
12	<u>1137</u>
13	<u>1137</u>
14	<u>1156</u>
15	<u>1155</u>
16	<u>1153</u>

DAY AVERAGE DAILY POWER LEVEL  
(MWe-Net)

17	<u>1156</u>
18	<u>1135</u>
19	<u>1159</u>
20	<u>1158</u>
21	<u>1160</u>
22	<u>1160</u>
23	<u>1159</u>
24	<u>1160</u>
25	<u>1159</u>
26	<u>1162</u>
27	<u>1161</u>
28	<u>1156</u>
29	<u>1161</u>
30	<u>1161</u>
31	<u>1160</u>

## UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH December 1993DOCKET NO. 50-414UNIT NAME CATAWBA 2DATE 01/14/94COMPLETED BY R. A. WilliamsTELEPHONE (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-0161)

(5)  
Exhibit I - Same Source



DOCKET: 50-414

UNIT: Catawba 2

Date: 01/14/94

#### NARRATIVE SUMMARY

MONTH: December 1993

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

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

MONTHLY REFUELING INFORMATION REQUEST

1. Facility name: Catawba, Unit 2
2. Scheduled next refueling shutdown: April 1994
3. Scheduled restart following refueling: July 1994

THE PROJECT MANAGER HAS BEEN ADVISED BY SEPARATE COMMUNICATION OF AN A.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 licence 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: 356
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 14, 1994

Name of Contact: R. A. Williams

Phone: (704)-382-5346