

# OPERATING DATA REPORT

## OPERATING STATUS

1. Unit Name: Catawba 1
2. Reporting Period: July 1, 1993-July 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: \_\_\_\_\_

DOCKET NO 50-413  
 DATE August 13, 1993  
 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	744.0	5087.0	70920.0
12. Number Of Hours Reactor Was Critical	728.4	4785.0	53571.6
13. Reactor Reserve Shutdown Hours	--0--	--0--	--0--
14. Hours Generator On-Line	723.5	4765.9	52500.7
15. Unit Reserve Shutdown Hours	--0--	--0--	--0--
16. Gross Thermal Energy Generated (MWH)	2196589	15524916	170061724
17. Gross Electrical Energy Generated (MWH)	766608	5494888	59820107
18. Net Electrical Energy Generated (MWH)	720968	5189398	56154639
19. Unit Service Factor	97.3	93.7	74.0
20. Unit Availability Factor	97.3	93.7	74.0
21. Unit Capacity Factor (Using MDC Net)	85.8	90.4	69.8
22. Unit Capacity Factor (Using DER Net)	84.6	89.1	69.2
23. Unit Forced Outage Rate	2.8	6.3	10.6

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

**Refueling - October 30, 1993 - 72 days**

25. If Shut Down At End Of Report Period, Estimated Date of Startups: \_\_\_\_\_
26. Units In Test Status (Prior to Commercial Operation):

INITIAL CRITICALITY  
 INITIAL ELECTRICITY  
 COMMERCIAL OPERATION

Forecast	Achieved
_____	_____
_____	_____
_____	_____

# OPERATING DATA REPORT

DOCKET NO 50-413  
 UNIT Catawba 1  
 DATE August 13, 1993  
 COMPLETED BY R.A. Williams  
 TELEPHONE 704-382-5346

MONTH July, 1993

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>1134</u>	17	<u>1132</u>
2	<u>1133</u>	18	<u>961</u>
3	<u>1133</u>	19	<u>17</u>
4	<u>1134</u>	20	<u>1016</u>
5	<u>946</u>	21	<u>1134</u>
6	<u>324</u>	22	<u>1133</u>
7	<u>319</u>	23	<u>1132</u>
8	<u>320</u>	24	<u>1134</u>
9	<u>541</u>	25	<u>1135</u>
10	<u>671</u>	26	<u>1134</u>
11	<u>1112</u>	27	<u>1134</u>
12	<u>1134</u>	28	<u>1131</u>
13	<u>1134</u>	29	<u>1132</u>
14	<u>1135</u>	30	<u>1138</u>
15	<u>1134</u>	31	<u>1142</u>
16	<u>1133</u>		

## UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH July 1993

DOCKET NO. 50-413  
 UNIT NAME CATAWBA I  
 DATE 08/13/93  
 COMPLETED BY N. C. SIMMONS  
 TELEPHONE (704)-382-5263

N O	DATE	(1) T Y P E	DURATION HOURS	(2) R E A S O N	(3) METH- OD OF SHUT DOWN R/X	LICENSE EVENT REPORT NO.	(4) SYS- TEM CODE	(5) COMPONENT CODE	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
7-P	93- 7- 5	F	--	A	--		WA	PUMPXX	LOW PRESSURE SERVICE WATER PUMP PROBLEMS
8-P	93- 7- 9	F	--	B	--		IA	INSTRU	NUCLEAR INSTRUMENTATION CALIBRATION
9-P	93- 7- 9	F	--	B	--		IA	INSTRU	NUCLEAR INSTRUMENTATION CALIBRATION
10-P	93- 7- 9	F	--	A	--		WA	PUMPXX	UNIT HELD AT 60% POWER DUE TO 1 LOW PRESSURE SERVICE WATER PUMP BEING OUT OF SERVICE
2	93- 7-18	F	20.47	A	3		HH	INSTRU	REACTOR TRIP ON LO-LO STEAM GENERATOR LEVEL

(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: 08/13/93

#### NARRATIVE SUMMARY

MONTH: July 1993

Catawba Unit 1 began the month of July operating at 100% full power. The unit started a power decrease at 1500 on 7/5, the unit held at 35% power from 2150 to 7/9 at 0006 due to low pressure service water pump problems. During power escalation, the unit held at 46% power from 0330 to 0450 for nuclear instrumentation calibrations and at 49% power from 0635 to 1200 for nuclear instrumentation calibrations. The unit held at 60% power from 14:00 to 7/10 at 2003 due to 1 low pressure service water pump being out of service. The unit was returned to 100% full power on 7/11 at 0436. The unit experienced an automatic reactor trip from 100% power on 7/18 at 2032 on Lo-Lo steam generator level when feedwater indication to "A" steam generator was lost while a card was being replaced in the digital feedwater control system. The unit was placed on-line on 7/19 at 1700 and was returned to 100% full power on 7/20 at 1342. The unit operated at or near 100% full power for the remainder of the month.

MONTHLY REFUELING INFORMATION REQUEST

1. Facility name: Catawba, Unit 1
2. Scheduled next refueling shutdown: October 1993
3. Scheduled restart following refueling: January 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: 408
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: August 13, 1993

Name of Contact: N. C. Simmons

Phone: 704-382-5263

# OPERATING DATA REPORT

## OPERATING STATUS

1. Unit Name: Catawba 2
2. Reporting Period: July 1, 1993-July 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: \_\_\_\_\_

DOCKET NO 50-414  
 DATE August 13, 1993  
 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	744.0	5087.0	60936.0
12. Number Of Hours Reactor Was Critical	744.0	3652.2	46298.6
13. Reactor Reserve Shutdown Hours	--0--	--0--	--0--
14. Hours Generator On-Line	744.0	3604.9	45450.5
15. Unit Reserve Shutdown Hours	--0--	--0--	--0--
16. Gross Thermal Energy Generated (MWH)	2522800	18013622	144704768
17. Gross Electrical Energy Generated (MWH)	890815	4269317	51230292
18. Net Electrical Energy Generated (MWH)	846544	4037752	48165078
19. Unit Service Factor	100.0	70.9	74.6
20. Unit Availability Factor	100.0	70.9	74.6
21. Unit Capacity Factor (Using MDC Net)	100.8	70.3	69.8
22. Unit Capacity Factor (Using DER Net)	99.3	69.3	69.0
23. Unit Forced Outage Rate	0.0	0.0	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: \_\_\_\_\_
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 August 13, 1993  
 COMPLETED BY R.A. Williams  
 TELEPHONE 704-382-5346

MONTH July, 1993

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>1142</u>	17	<u>1141</u>
2	<u>1118</u>	18	<u>1138</u>
3	<u>1140</u>	19	<u>1133</u>
4	<u>1143</u>	20	<u>1140</u>
5	<u>1141</u>	21	<u>1144</u>
6	<u>1144</u>	22	<u>1141</u>
7	<u>1142</u>	23	<u>1140</u>
8	<u>1141</u>	24	<u>1139</u>
9	<u>1142</u>	25	<u>1139</u>
10	<u>1141</u>	26	<u>1134</u>
11	<u>1139</u>	27	<u>1140</u>
12	<u>1140</u>	28	<u>1139</u>
13	<u>1138</u>	29	<u>1137</u>
14	<u>1136</u>	30	<u>1086</u>
15	<u>1135</u>	31	<u>1150</u>
16	<u>1142</u>		



## UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH July 1993

DOCKET NO. 50-414  
 UNIT NAME CATAWBA 2  
 DATE 08/13/93  
 COMPLETED BY N. C. SIMMONS  
 TELEPHONE (704)-382-5263

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	L I C E N S E E V E N T R E P O R T N O.	(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	C A U S E A N D C O R R E C T I V E A C T I O N T O P R E V E N T R E C U R R E N C E
		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: 50-414

UNIT: Catawba 2

Date: 08/13/93

#### NARRATIVE SUMMARY

MONTH: July 1993

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

MONTHLY REFUELING INFORMATION REQUEST

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

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: 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: August 13, 1993

Name of Contact: N. C. Simmons

Phone: 704-382-5263