

OPERATING DATA REPORT

DOCKET NO 50-413
 DATE December 15, 1995
 COMPLETED BY R.A. Williams
 TELEPHONE 704-382-5346

OPERATING STATUS

1. Unit Name: Catawba 1
2. Reporting Period: November 1, 1995-November 30, 1995
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	720.0	8016.0	91369.0
12. Number Of Hours Reactor Was Critical	720.0	7038.1	71549.7
13. Reactor Reserve Shutdown Hours	--0--	--0--	--0--
14. Hours Generator On-Line	720.0	6969.2	70344.7
15. Unit Reserve Shutdown Hours	--0--	--0--	--0--
16. Gross Thermal Energy Generated (MMH)	2441705	23288227	229431658
17. Gross Electrical Energy Generated (MMH)	879493	8311911	80995661
18. Net Electrical Energy Generated (MMH)	833458	7861020	76184482
19. Unit Service Factor	100.0	86.9	77.0
20. Unit Availability Factor	100.0	86.9	77.0
21. Unit Capacity Factor (Using MDC Net)	102.5	86.9	73.6
22. Unit Capacity Factor (Using DER Net)	101.1	85.7	72.8
23. Unit Forced Outage Rate	0.0	0.6	8.3
24. Shutdown Scheduled Over Next 6 Months (Type, Date, and Duration of Each): Refueling - May 31, 1996 - 100 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	_____	_____

OPERATING DATA REPORT

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 UNIT Catawba 1
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MONTH November, 1995

<u>DAY</u>	<u>AVERAGE DAILY POWER LEVEL (MWe-Net)</u>	<u>DAY</u>	<u>AVERAGE DAILY POWER LEVEL (MWe-Net)</u>
1	<u>1152</u>	17	<u>1161</u>
2	<u>1148</u>	18	<u>1137</u>
3	<u>1149</u>	19	<u>1160</u>
4	<u>1160</u>	20	<u>1159</u>
5	<u>1162</u>	21	<u>1162</u>
6	<u>1159</u>	22	<u>1165</u>
7	<u>1156</u>	23	<u>1162</u>
8	<u>1158</u>	24	<u>1162</u>
9	<u>1160</u>	25	<u>1162</u>
10	<u>1158</u>	26	<u>1159</u>
11	<u>1152</u>	27	<u>1155</u>
12	<u>1161</u>	28	<u>1150</u>
13	<u>1159</u>	29	<u>1156</u>
14	<u>1159</u>	30	<u>1164</u>
15	<u>1160</u>		
16	<u>1161</u>		

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-413
 UNIT NAME CATAWBA 1
 DATE 12/15/95
 COMPLETED BY R. A. Williams
 TELEPHONE (704)-382-5346

REPORT MONTH November 1995

NO	DATE	(1)	DURATION HOURS	(2)	(3)	LICENSE EVENT REPORT NO.	(4)	(5)	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
		TYPE		REASON	METHOD OF SHUT DOWN R/X		SYS- TEM CODE	COMPONENT CODE	
		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 -413

UNIT: Catawba 1

Date: 12/15/95

NARRATIVE SUMMARY

MONTH: November 1995

Catawba Unit 1 began the month of November 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 1
2. Scheduled next refueling shutdown: May 1996
3. Scheduled restart following refueling: September 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: 560
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: December 15, 1995

Name of Contact: R. A. Williams

Phone: (704)-382-5346

OPERATING DATA REPORT

DOCKET NO 50-414
 DATE December 15, 1995
 COMPLETED BY R.A. Williams
 TELEPHONE 704-382-5346

OPERATING STATUS

1. Unit Name: Catawba 2
2. Reporting Period: November 1, 1995-November 30, 1995
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 MW 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	8016.0	81385.0
12. Number Of Hours Reactor Was Critical	54.6	6412.9	63422.2
13. Reactor Reserve Shutdown Hours	--0--	--0--	--0--
14. Hours Generator On-Line	15.4	6332.3	62393.7
15. Unit Reserve Shutdown Hours	--0--	--0--	--0--
16. Gross Thermal Energy Generated (MWH)	9749	21331903	201030786
17. Gross Electrical Energy Generated (MWH)	1439	7548982	71248362
18. Net Electrical Energy Generated (MWH)	-13477	7134205	67099758
19. Unit Service Factor	2.1	79.0	76.7
20. Unit Availability Factor	2.1	79.0	76.7
21. Unit Capacity Factor (Using MDC Net)	0.0	78.8	72.9
22. Unit Capacity Factor (Using DER Net)	0.0	77.7	72.0
23. Unit Forced Outage Rate	95.6	10.1	9.0
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
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 DATE December 15, 1995
 COMPLETED BY R.A. Williams
 TELEPHONE 704-382-5346

MONTH November, 1995

<u>DAY</u>	<u>AVERAGE DAILY POWER LEVEL (MWe-Net)</u>	<u>DAY</u>	<u>AVERAGE DAILY POWER LEVEL (MWe-Net)</u>
1	<u>0</u>	17	<u>0</u>
2	<u>0</u>	18	<u>0</u>
3	<u>0</u>	19	<u>0</u>
4	<u>0</u>	20	<u>0</u>
5	<u>0</u>	21	<u>0</u>
6	<u>0</u>	22	<u>0</u>
7	<u>0</u>	23	<u>0</u>
8	<u>0</u>	24	<u>0</u>
9	<u>0</u>	25	<u>0</u>
10	<u>0</u>	26	<u>0</u>
11	<u>0</u>	27	<u>0</u>
12	<u>0</u>	28	<u>0</u>
13	<u>0</u>	29	<u>0</u>
14	<u>0</u>	30	<u>17</u>
15	<u>0</u>		
16	<u>0</u>		

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-414
 UNIT NAME CATAWBA 2
 DATE 12/15/95
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 TELEPHONE (704)-382-5346

REPORT MONTH November 1995

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
6	95-11-1	S	359.43	C	--		RC	FUELXX	END-OF-CYCLE 07 REFUELING OUTAGE
7	95-11-15	S	10.00	A	--		CG	XXXXXX	OUTAGE EXTENDED 0.4 DAYS DUE TO ADDITIONAL PRIMARY SYSTEM CLEAN-UP
8	95-11-16	F	124.00	A	--		SF	VALVEX	5.2 DAY OUTAGE DELAY DUE TO REPLACEMENT OF SAFETY INJECTION CHECK VALVE
9	95-11-21	F	60.00	A	--		WG	HTEXCH	2.5 DAY OUTAGE DELAY DUE TO DIESEL GENERATOR '2B' HEAT EXCHANGER REPAIR
10	95-11-24	F	40.00	A	--		SF	PUMPXX	1.7 DAY OUTAGE DELAY DUE TO '2A' SAFETY INJECTION PUMP SEAL LEAK REPAIR
11	95-11-25	F	46.00	A	--		CB	VALVEX	1.9 DAY OUTAGE DELAY DUE TO POWER OPERATED RELIEF VALVE 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-Operator Error (Explain)
 H-Other (Explain)

- (3)
 Method:
 1-Manual
 2-Manual Scram
 3-Automatic Scram
 4-Other (Explain)

- (4)
 Exhibit G - Instructions
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- (5)
 Exhibit I - Same Source

UNIT SHUTDOWNS AND POWER REDUCTIONS

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REPORT MONTH November 1995

PAGE 2 OF 3

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
12	95-11-27	F	22.00	A	--		CB	XXXXXX	0.9 DAY OUTAGE DELAY DUE TO '2B' REACTOR COOLANT PUMP SEAL LEAK-OFF PROBLEM
13	95-11-28	F	18.00	A	--		EE	ENGINE	0.8 DAY OUTAGE DELAY DUE TO DIESEL GENERATOR '2B' VOLTAGE OSCILLATIONS
14	95-11-29	F	13.00	A	--		WB	VALVEX	0.5 DAY OUTAGE DELAY DUE TO COMPONENT COOLING VALVE REPAIR
15	95-11-29	F	9.38	A	--		WB	PUMPXX	0.4 DAY OUTAGE DELAY DUE TO '2A2' COMPONENT COOLING PUMP SEAL LEAK REPAIRS
4-P	95-11-30	S	--	B	--		HA	TURBIN	MAIN TURBINE OVERSPEED TRIP TEST SOAK
16	95-11-30	S	2.80	B	--		HA	TURBIN	MAIN TURBINE OVERSPEED TRIP TEST

(1)
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 S Scheduled

(2)
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 B-Maintenance or test
 C-Refueling
 D-Regulatory Restriction
 E-Operator Training & License Examination
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REPORT MONTH November 1995

PAGE 3 OF 3

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
5-P	95-11-30	F	--	A	--		CG	VALVEX	VOLUME CONTROL VALVE MALFUNCTION

(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)
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(5)
 Exhibit I - Same Source

DOCKET: 50- 414

UNIT: Catawba 2

Date: 12/15/95

NARRATIVE SUMMARY

MONTH: November 1995

Catawba Unit 2 began the month of November in end-of-cycle 07 refueling outage. The refueling outage spanned 54.31 days and was scheduled for 40 days. The refueling outage was extended 0.4 days due to additional primary system clean-up. The following items delayed the refueling outage an additional; 5.2 days due to replacement of safety injection check valve, 2.5 days due to diesel generator '2B' heat exchanger repair, 1.7 days due to '2A' safety injection pump seal leak repair, 1.9 days due to power operated relief valve repair, 0.9 days due to '2B' reactor coolant pump seal leak-off problem, 0.8 days due to diesel generator '2B' voltage oscillations, 0.5 days due to component cooling valve repair, 0.4 days due to '2A2' component cooling pump seal leak repairs. The unit was placed on line 11/30/95 at 0549. The unit increased power to 14% power and held from 0616 to 1240 due to main turbine soak. On 11/30/95 at 1445 the turbine overspeed trip test was performed and the unit was placed on-line at 1735. During power escalation, the unit held at 14% power from 1826 to 2220 due to volume control valve malfunction. The unit began decreasing power at 2220 due to the volume control valve malfunction and ended the month operating at approximately 10% power.

Prepared by: R. A. Williams
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