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Energy Center
P.O. Box 1006
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November 14, 1997

U.S Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, D.C. 20555

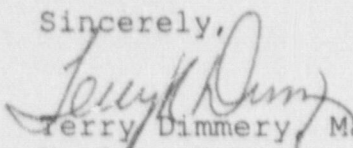
Subject: Catawba Nuclear Station
Docket No. 50-413 and -414

Dear Sir:

Please find attached information concerning the performance and operation status of the Catawba Nuclear Station for the month of October, 1997.

Any questions or comments may be directed to Roger A. Williams at (704) 382-5346.

Sincerely,


Terry Dimmery, Manager
Nuclear Business Support

Attachment
L. A. Reyes, Regional Administrator
USNRC, Region II

Peter Tam, Project Manager
USNRC, ONRR

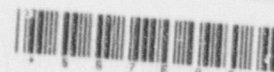
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J. J. Fisicaro (EC07Q)

OPERATING DATA REPORT

OPERATING STATUS

DOCKET NO 50-413

DATE November 14, 1997

COMPLETED BY R.A. Williams

TELEPHONE 704-382-5346

1. Unit Name: Catawba 1
2. Reporting Period: October 1, 1997-October 31, 1997
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	745.0	7296.0	108193.0
12. Number Of Hours Reactor Was Critical	745.0	7296.0	85529.8
13. Reactor Reserve Shutdown Hours	--0--	--0--	--0--
14. Hours Generator On-Line	745.0	7296.0	84193.8
15. Unit Reserve Shutdown Hours	--0--	--0--	--0--
16. Gross Thermal Energy Generated (MWH)	2533171	24881174	275584635
17. Gross Electrical Energy Generated (MWH)	906319	8880126	97499532
18. Net Electrical Energy Generated (MWH)	860565	8429628	91784994
19. Unit Service Factor	100.0	100.0	77.8
20. Unit Availability Factor	100.0	100.0	77.8
21. Unit Capacity Factor (Using WDC Net)	102.3	102.3	74.9
22. Unit Capacity Factor (Using DER Net)	100.9	100.9	74.1
23. Unit Forced Outage Rate	0.0	0.0	7.3

24. Shutdown Scheduled Over Next 6 Months (Type, Date, and Duration of Each):
Refueling - November 29, 1997

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 50-413
 UNIT Catawba 1
 DATE November 14, 1997
 COMPLETED BY R.A. Williams
 TELEPHONE 704-382-5346

MONTH October, 1997

<u>DAY</u>	<u>AVERAGE DAILY POWER LEVEL</u> <u>(MWe-Net)</u>	<u>DAY</u>	<u>AVERAGE DAILY POWER LEVEL</u> <u>(MWe-Net)</u>
1	<u>1155</u>	17	<u>1161</u>
2	<u>1160</u>	18	<u>1160</u>
3	<u>1161</u>	19	<u>1159</u>
4	<u>1159</u>	20	<u>1162</u>
5	<u>1156</u>	21	<u>1160</u>
6	<u>1155</u>	22	<u>1153</u>
7	<u>1152</u>	23	<u>1161</u>
8	<u>1150</u>	24	<u>1160</u>
9	<u>1150</u>	25	<u>1155</u>
10	<u>1148</u>	26	<u>1104</u>
11	<u>1151</u>	27	<u>1157</u>
12	<u>1153</u>	28	<u>1164</u>
13	<u>1153</u>	29	<u>1164</u>
14	<u>1150</u>	30	<u>1162</u>
15	<u>1159</u>	31	<u>1160</u>
16	<u>1161</u>		

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH October 1997DOCKET NO. 50-413UNIT NAME CATAWBA 1DATE 11/14/97COMPLETED BY R. A. WilliamsTELEPHONE (704)-382-5346

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		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 -413

UNIT: Catawba 1

Date: 11/14/97

NARRATIVE SUMMARY

MONTH: October, 1997

Catawba Unit 1 began the month of October 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: November 1997
3. Scheduled restart following refueling: January 1998

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:
November 2009

DUKE POWER COMPANY

DATE: November 14, 1997

Name of Contact: R. A. Williams

Phone: (704) - 382-5346

OPERATING DATA REPORT

DOCKET NO 50-414

DATE November 14, 1997

COMPLETED BY R.A. Williams

TELEPHONE 704-382-5346

OPERATING STATUS

1. Unit Name: Catawba 2
2. Reporting Period: October 1, 1997-October 31, 1997
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	745.0	7296.0	98209.0
12. Number Of Hours Reactor Was Critical	745.0	6213.9	78583.0
13. Reactor Reserve Shutdown Hours	--0--	--0--	--0--
14. Hours Generator On-Line	745.0	6161.9	77400.1
15. Unit Reserve Shutdown Hours	--0--	--0--	--0--
16. Gross Thermal Energy Generated (MWH)	2490876	20364727	251076803
17. Gross Electrical Energy Generated (MWH)	898007	7280182	89128815
18. Net Electrical Energy Generated (MWH)	853050	6889859	84035751
19. Unit Service Factor	100.0	84.5	78.8
20. Unit Availability Factor	100.0	84.5	78.8
21. Unit Capacity Factor (Using MDC Net)	101.4	83.6	75.7
22. Unit Capacity Factor (Using DER Net)	100.0	82.5	74.7
23. Unit Forced Outage Rate	0.0	1.8	8.2

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 Catawba 2
DATE November 14, 1997
COMPLETED BY R.A. Williams
TELEPHONE 704-382-5346

DATE October, 1997

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

1	<u>1167</u>
2	<u>1168</u>
3	<u>1166</u>
4	<u>1164</u>
5	<u>1162</u>
6	<u>1160</u>
7	<u>1160</u>
8	<u>1160</u>
9	<u>1157</u>
10	<u>1155</u>
11	<u>1160</u>
12	<u>1161</u>
13	<u>1160</u>
14	<u>1155</u>
15	<u>1165</u>
16	<u>1167</u>

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

17	<u>1167</u>
18	<u>1167</u>
19	<u>1166</u>
20	<u>793</u>
21	<u>950</u>
22	<u>1166</u>
23	<u>1170</u>
24	<u>1166</u>
25	<u>1159</u>
26	<u>1160</u>
27	<u>1163</u>
28	<u>1172</u>
29	<u>1170</u>
30	<u>1171</u>
31	<u>1171</u>

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH October 1997

DOCKET NO. 50-414
 UNIT NAME CATAWBA 2
 DATE 11/14/97
 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
15-P	97-10-20	F	--	A	--		HH	VALVEX	REPAIR MAIN FLEEDWATER VALVE "2CF33" NITROGEN ACCUMULATOR SOLENOID FITTING LEAK
16-P	97-10-21	F	--	A	--		RB	CONROD	EVALUATE CONTROL ROD BANK LO LO LIMIT ALARM

(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: 11/14/97

NARRATIVE SUMMARY

MONTH: October, 1997

Catawba Unit 2 began the month of October operating at 100% full power. The unit began decreasing power on 10/20/97 at 1300 and held at 16% power from 1852 to 2347 to repair main feedwater valve "2CF33" nitrogen accumulator solenoid fitting leak. During power escalation, the unit held at 63% power from 10/21/97 at 0400 to 10/21/97 at 0450 to evaluate control rod bank 10 limit alarm. The unit returned to 100% full power on 10/26/97 at 0435, and operated at or near 100% full power the remainder of the 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: September 1998
3. Scheduled restart following refueling: October 1998

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: 600
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:
May 2012

DUKE POWER COMPANY

DATE: November 14, 1997

Name of Contact: R. A. Williams

Phone: (704) - 382-5346

CATAWBA NUCLEAR STATION

MONTHLY OPERATING STATUS REPORT

September 1997

1. Personnel Exposure -

The total station liquid release for September has been compared with the Technical Specifications maximum annual dose commitment and was less than 10 percent of this limit.

The total station gaseous release for September has been compared with the Technical Specifications maximum annual dose commitment and was less than 10 percent of this limit.