

Duke Power Company
Electric Center
P.O. Box 1005
Charlotte, N.C. 28201-1005



DUKE POWER

November 13, 1992

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

RE: Catawba Nuclear Station
Docket No. 50-423 and 50-414
File: GE-31.01

Dear Sir:

Please find attached information concerning the performance and operating status of the Catawba Nuclear Station for the month of October, 1992.

Very truly yours,

E. O. McCraw, Manager
Operations, Performance, & Automation

EDM, aw
Attachments

xc: Stewart D. Ebner
Regional Administrator/Region II
U.S. Nuclear Regulatory Commission
101 Marietta St., NW, Suite 2900
Atlanta, GA 30323

W. T. Orders
Senior Resident Inspector
Catawba Nuclear Station

Bob Martin
Office Nuclear Regulation
U.S. Nuc. Reg. Commission
Washington, D.C. 20555

INPO Records Center
1100 Circle 75 Parkway, Suite 1500
Atlanta, GA 30323

American Nuclear Insurers
c/c Dottie Sherman, ANI Library
Town Center, Suite 300S
29 South Main Street
West Hartford, CT 06107-2445

Ms. Vicki White
Nuclear Assurance Corp.
6251 Crooked Creek Road
Norcross, GA 30092

160094

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PDR ADDCK 05000414
R PDR

JEH

U.S. NRC - CNS
November 13, 1992
Page 2

xc: K. S. Canady	EC08H
B. T. Faulkenberry	EC07C
R. C. Putrell	CNS
E. G. LaCasse	CNS
T. E. Mooney	(WC26C)
B. J. Horsley	CNS Contracts - EC03U
N. A. Rutherford	EC07I
J. S. Forbes	CNS
R. A. Williams (3)	EC07A
J. C. Wimbish	EC07B
E. C. Fisher	MNS
B. W. Walsh	PB02L
S. D. Calloway	CNS
C. D. Denton	PB05E
R. L. Gill	WC26A (File)

OPERATING DATA REPORT

DOCKET NO 50-413

DATE November 13, 1992

COMPLETED BY R.A. Williams

TELEPHONE 704-382-5346

OPERATING STATUS

1. Unit Name: Catawba 1
2. Reporting Period: October 1, 1992-October 31, 1992
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	7320.0	64767.0
12. Number Of Hours Reactor Was Critical	327.3	4932.4	47322.6
13. Reactor Reserve Shutdown Hours	--0--	--0--	--0--
14. Hours Generator On-Line	270.4	4874.9	46270.8
15. Unit Reserve Shutdown Hours	--0--	--0--	--0--
16. Gross Thermal Energy Generated (MWH)	771636	16109778	149596083
17. Gross Electrical Energy Generated (MWH)	264076	5677715	52567119
18. Net Electrical Energy Generated (MWH)	235308	5363164	49296858
19. Unit Service Factor	36.3	66.6	71.9
20. Unit Availability Factor	36.3	66.6	71.9
21. Unit Capacity Factor (Using MDC Net)	28.0	64.9	67.5
22. Unit Capacity Factor (Using DER Net)	27.6	64.0	66.9
23. Unit Forced Outage Rate	61.0	9.5	11.3
24. Shutdown Scheduled Over Next 6 Months (Type, Date, and Duration of Each):			

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 13, 1992
 COMPLETED BY R.A. Williams
 TELEPHONE 704-382-5346

MONTH October, 1992

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

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

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

17	0
18	0
19	0
20	7
21	149
22	403
23	800
24	1088
25	1144
26	1145
27	1140
28	1112
29	1090
30	1070
31	1089

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-413

UNIT NAME CATAWBA 1

DATE 11/15/92

COMPLETED BY N. C. SIMMONS

TELEPHONE (704)-382-5263

Page 1 of 2

REPORT MONTH October 1992

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
4	92-10- 1		57.52	A	1		CA	XXXXXX	REACTOR COOLANT SYSTEM LEAKAGE AT CONO SEAL AT REACTOR VESSEL HEAD
5	92-10- 3	S	48.00	B	1		RB	CRDEVE	2 DAY EXTENSION DUE TO CONTROL ROD DRIVE SYSTEM TROUBLESHOOTING
6	92-10- 5	F	365.98	A	1		CH	HTEXCH	15 DAY EXTENSION DUE TO STEAM GENERATOR TUBE LEAK
4-P	92-10-20	S	--	B	--		HA	TURBIN	HOLD FOR TURBINE OVERSPEED TRIP TEST
7	92-10-21	S	3.10	B	1		HA	TURBIN	TURBINE OVERSPEED TRIP TEST
5-P	92-10-21	F	--	A	--		CH	HTEXCH	STEAM GENERATOR '1C' LEAKAGE STABILITY PER CHEMISTRY
6-P	92-10-21	S	--	B	--		ZZ	XXXXXX	FLUX MAPPING

(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

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-413

UNIT NAME CATAWBA 1

DATE 11/15/92

COMPLETED BY N. C. SIMMONS

TELEPHONE (704)-382-5263

Page 2 of 2

REPORT MONTH October 1992

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
7-P	92-10-21	S	--	B	--		ZZ	XXXXXX	FLUX MAPPING
8-P	92-10-22	S	--	B	--		ZZ	XXXXXX	FLUX MAPPING
9-P	92-10-22	S	--	B	--		HB	VALVEX	CONTROL VALVE MOVEMENT TESTING
10-P	92-10-23	S	--	B	--		ZZ	XXXXXX	FLUX MAPPING

(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 NO: 50-413

UNIT: Catawba 1

DATE: 11/15/92

NARRATIVE SUMMARY

MONTH: October 1992

Catawba Unit 1 began the month of October in end-of-cycle 6 refueling outage. The unit was originally scheduled to return to service on 9/16/92. The outage was extended by 6 days for reactor coolant system leakage at a cononseal at the reactor vessel head and reactor coolant pump seal problems. The outage was extended 2 days for control rod drive system troubleshooting and 15 days due to a steam generator tube leak. The unit was placed on-line on 10/20 at 1530 for a refueling duration of 101.75 days. The unit held at approximately 15% power from 1724 to 10/21 at 0050 for the turbine overspeed trip test. The unit was off-line from 0050 to 0356 for the turbine overspeed trip test. During power escalation, the unit held at approximately 20% from 10/21 at 0720 to 1128 for steam generator 'C' leakage stability. The unit held at approximately 30% power from 1443 to 1507 for flux mapping and decreased to approximately 25% power due to the data obtained from the flux map. The unit held at approximately 25% power from 1526 to 2000 for a flux map. The unit held at approximately 40% power from 10/22 at 0040 to 1220 for a flux map. The unit held at approximately 70% power from 10/22 at 2350 to 10/23 at 0300 for control valve movement testing. The unit held at approximately 80% power from 0750 to 1550 for flux mapping. The unit reached 100% full power on 10/24 at 1120. The unit operated at or near 100% full power for the remainder of the month.

Prepared by: N. C. Simmons
Telephone: 704-382-5263

MONTHLY REFUELING INFORMATION REQUEST

1. Facility name: Catawba, Unit 1
2. Scheduled next refueling shutdown: October 1993
3. Scheduled restart following refueling: January 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: 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: November 13, 1992

Name of Contact: R. A. Williams

Phone: 704-382-5346

OPERATING DATA REPORT

DOCKET NO 50-414

DATE November 13, 1992

COMPLETED BY r. Williams

TELEPHONE 704-382-5346

OPERATING STATUS

Notes *Nameplate Rating (Gross MWe) calculated as 1450.000 MVA x .90 power factor per Page iii, NUREG-0020.

1. Unit Name: Catawba 2
2. Reporting Period: October 1, 1992-October 31, 1992
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: _____

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	7320.0	54385.0
12. Number Of Hours Reactor Was Critical	745.0	7297.4	41595.0
13. Reactor Reserve Shutdown Hours	--0--	--0--	--0--
14. Hours Generator On-Line	745.0	7266.9	40830.1
15. Unit Reserve Shutdown Hours	--0--	--0--	--0--
16. Gross Thermal Energy Generated (MWH)	2484724	24248115	129374292
17. Gross Electrical Energy Generated (MWH)	886519	8605203	45781108
18. Net Electrical Energy Generated (MWH)	842295	8165433	43019302
19. Unit Service Factor	100.0	99.3	75.1
20. Unit Availability Factor	100.0	99.3	75.1
21. Unit Capacity Factor (Using MDC Net)	100.1	98.8	69.8
22. Unit Capacity Factor (Using DER Net)	98.7	97.4	69.1
23. Unit Forced Outage Rate	0.0	0.5	11.1
24. Shutdown Scheduled Over Next 6 Months (Type, Date, and Duration of Each):			

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 Catmon 2
 DATE November 13, 1992
 COMPLETED BY R.A. Williams
 TELEPHONE 704-382-5346

MONTH October, 1992

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>1131</u>	17	<u>1140</u>
2	<u>1131</u>	18	<u>1143</u>
3	<u>1130</u>	19	<u>1142</u>
4	<u>1126</u>	20	<u>1134</u>
5	<u>1130</u>	21	<u>1107</u>
6	<u>1135</u>	22	<u>1105</u>
7	<u>1132</u>	23	<u>1134</u>
8	<u>1127</u>	24	<u>1135</u>
9	<u>1123</u>	25	<u>1140</u>
10	<u>1133</u>	26	<u>1138</u>
11	<u>1131</u>	27	<u>1138</u>
12	<u>1134</u>	28	<u>1134</u>
13	<u>1131</u>	29	<u>1134</u>
14	<u>1128</u>	30	<u>1135</u>
15	<u>1133</u>	31	<u>1136</u>
16	<u>1100</u>		

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH October 1992DOCKET NO. 50-414UNIT NAME CATAWBA 2DATE 11/15/92COMPLETED BY N. C. SIMMONSTELEPHONE (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- TFM CODE	(5) COMPONENT CODE	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
		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 (NURFG-0161)

(5)
Exhibit I - Same Source

DOCKET NO: 50-414

UNIT: Catawba 2

DATE: 11/15/92

NARRATIVE SUMMARY

MONTH: October 1992

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

Prepared by: N. C. Simmons
Telephone: 704-382-5263

MONTHLY REFUELING INFORMATION REQUEST

1. Facility name: Catawba, Unit 2
2. Scheduled next refueling shutdown: January 1993
3. Scheduled restart following refueling: March 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: 280
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: November 13, 1992

Name of Contact: R. A. Williams

Phone: 704-382-5346

CATAWBA NUCLEAR STATION
MONTHLY OPERATING STATUS REPORT

September 1992

1. Personnel Exposure -

For the month of September, no individual(s) exceeded 10 percent of their allowable annual radiation dose limit.

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