OPERATING DATA REPORT

DOCKET NO 50-413
DATE October 13, 1989
COMPLETED BY R.A. Williams
TELEPHONE 704-373-5987

OPERATING STATUS

1. Unit Name: Catawba 1
2. Reporting Period: September 1, 1989-September 30, 1989
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	6551.0	37320.0
12. Number Of Hours Reactor Was Critical	720.0	5506.0	27689.9
13. Reactor Reserve Shutdown Hours	--0--	--0--	--0--
14. Hours Generator On-Line	720.0	5328.1	26932.2
15. Unit Reserve Shutdown Hours	--0--	--0--	--0--
16. Gross Thermal Energy Generated (MWH)	2177849	17120478	86058864
17. Gross Electrical Energy Generated (MWH)	774960	6040891	30235542
18. Net Electrical Energy Generated (MWH)	730565	5673803	28309325
19. Unit Service Factor	100.0	81.3	72.2
20. Unit Availability Factor	100.0	81.3	72.2
21. Unit Capacity Factor (Using MDC Net)	89.9	76.7	66.6
22. Unit Capacity Factor (Using DER Net)	88.6	75.6	66.3
23. Unit Forced Outage Rate	0.0	4.5	13.6

24. Shutdown Scheduled Over Next 6 Months (Type, Date, and Duration of Each):
Refueling - January 26, 1990 - 6 weeks

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 October 13, 1989
COMPLETED BY R.A. Williams
TELEPHONE 704-373-5987

MONTH September, 1989

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	1099	17	1115
2	1093	18	1115
3	1072	19	954
4	892	20	370
5	1092	21	977
6	1089	22	650
7	1104	23	941
8	1103	24	1077
9	1100	25	1102
10	1101	26	1103
11	1087	27	1109
12	1098	28	1109
13	932	29	1106
14	1104	30	1102
15	1098		
16	1110		

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-413
UNIT NAME CATAWBA 1
DATE 10/13/89
COMPLETED BY S. W. MOSER
TELEPHONE (704)-373-5762

REPORT MONTH September 1989

NO.	DATE	(1) TYPE	DURATION HOURS	(2) REASON	(3) METHOD OF SHUTDOWN R/X	LICENSE EVENT REPORT NO.	(4) SYSTEM CODE	(5) COMPONENT CODE	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
25-P	89- 9- 3	F	--	A	--		HH	VALVEX	REDUCTION FOR REPLACEMENT OF STEAM GENERATOR FEEDWATER REGULATING VALVE CONTROLLERS
26-P	89- 9- 4	S	--	F	--		ZZ	ZZZZZZ	HOLD POWER PER DISPATCHER REQUEST
27-P	89- 9-13	F	--	A	--		HA	CKTBKR	TURBINE RUNBACK DUE TO GENERATOR '1B' BREAKER PRESSURE GAUGE FAILURE
28-P	89- 9-19	F	--	A	--		HC	HTEXCH	REDUCTION DUE TO SECONDARY CHEMISTRY OUT OF SPEC DUE ? CONDENSER TUBE LEAK
29-P	89- 9-20	S	--	H	--		RC	FUELXX	HOLDING POWER FOR QUADRANT POWER TILT RATIO
30-P	89- 9-20	F	--	A	--		HH	HTEXCH	HOLDING POWER FOR CONDENSER WATERBOX FILL AND IN SERVICE

(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 License 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 10/13/89
COMPLETED BY S. W. MUSER
TELEPHONE (704)-373-5762

REPORT MONTH September 1989

NO.	DATE	(1) TYPE	DURATION HOURS	(2) REASON	(3) METHOD OF SHUTDOWN R/X	LICENSE EVENT REPORT NO.	(4) SYSTEM CODE	(5) COMPONENT CODE	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
31-P	89- 9-21	S	--	B	--		IE	XXXXXX	HOLDING POWER FOR HIGH LEVEL TRIP SETPOINT ADJUSTMENT
32-P	89- 9-22	F	--	A	--		EB	CKTBKR	REDUCTION DUE TO '1HTA' RELAY BREAKER FAILURE CAUSED BY RAINWATER ENTERING THE CUBICL
33-P	89- 9-22	S	--	B	--		IE	INSTRU	HOLDING POWER FOR NUCLEAR INSTRUMENTATION CALIBRATION
34-P	89- 9-22	F	--	A	--		EB	CKTBKR	HOLDING POWER DUE TO '1HTA' BREAKER FAILURE AND LOSS OF COOLING TOWER 'A'
35-P	89- 9-22	S	--	B	--		IE	INSTRU	HOLDING POWER FOR NUCLEAR INSTRUMENTATION CALIBRATION
36-P	89- 9-22	F	--	B	--		CB	INSTRU	HOLDING POWER FOR REACTOR COOLANT LEAKAGE CALCULATION

(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 License Event Report (LER) File (NUREG-0161)

(5)
Exhibit I - Same Source

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH September 1989

DOCKET NO. 50-413
UNIT NAME CATAWBA 1
DATE 10/13/89
COMPLETED BY S. W. MOSER
TELEPHONE (704)-373-5762

NO.	DATE	(1) TYPE	DURATION HOURS	(2) REASON	(3) METHOD OF SHUTDOWN R/X	LICENSE EVENT REPORT NO.	(4) SYSTEM CODE	(5) COMPONENT CODE	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
37-P	89- 9-22	S	--	B	--		IE	INSTRU	HOLDING POWER FOR NUCLEAR INSTRUMENTATION CALIBRATION

(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 License Event Report (LER) File (NUREG-0161)

(5)
Exhibit I - Same Source

DOCKET NO: 50-413

UNIT: Catawba 1

DATE: 10/13/89

NARRATIVE SUMMARY

Month: September 1989

Catawba Unit 1 began the month of September operating at 100% full power. At 1905 on 9/03, the unit reduced power to 42% power for the replacement of Steam Generator Feedwater Regulating valve controllers. The work was completed and the unit was prepared to commence a power increase at 1030 on 9/04, but was held at 42% power per Dispatcher request. The unit commenced a power increase at 1317 on 9/04, and reached 100% full power at 0216 on 9/05. The unit operated at or near 100% full power until 0541 on 9/13 when a Turbine runback was caused by Generator "1B" Breaker Pressure Gauge failure. The unit ran back to 56% power. A power increase was commenced at 1003 on 9/13, and the unit reached 100% full power at 2000 on 9/13. At 1730 on 9/19, the unit reduced power to 34% due to Secondary Chemistry out of spec due to Condenser tube leak. The subsequent power increase was begun at 0900 on 9/20 and was held at 39% for six hours at 1050 on 9/20 for Quadrant Power Tilt Ratio. Power holds also occurred at 42% power at 1800 on 9/20 for Condenser Waterbox fill and in service, at 76% power at 0410 on 9/21, for High Level Trip Setpoint adjustments, and at 86% at 0700 on 9/21 for Nuclear Instrumentation Calibration. The unit reached 100% full power at 1321 on 9/21. At 0547 on 9/22, the unit reduced power to 40% power due to "1HTA" Relay Breaker failure caused by rainwater entering cubicle. During the subsequent power increase, begun at 0915 on 9/22, the following holds took place: 42% power for one hour at 1216 on 9/22; 50% power for 3.5 hours at 1403 on 9/22; 60% power for 2.25 hours at 1847 on 9/22, 63% power for 1/2 hour at 2112 on 9/22; and 70% power for seven hours at 2340 on 9/22. The unit reached 95% power at 1832 on 9/23 where it held until 0520 on 9/25 per Dispatcher's request. The unit reached 100% full power at 0620 on 9/25, and operated at or near 100% full power for the remainder of the month.

Prepared by: S. W. Moser
Telephone: 704-373-5762

MONTHLY REFUELING INFORMATION REQUEST

1. Facility name: Catawba, Unit 1

2. Scheduled next refueling shutdown: January 1990

3. Scheduled restart following refueling: March 1990

4. Will refueling or resumption of operation thereafter require a technical specification change or other license amendment? No

   If yes, what will these be? _____

   If no, has reload design and core configuration been reviewed by Safety Review Committee regarding unreviewed safety questions? N/A

5. Scheduled date(s) for submitting proposed licensing action and supporting information: N/A

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: 196

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: October 13, 1989

Name of Contact: J. A. Reavis

Phone: 704-373-7567

OPERATING DATA REPORT

DOCKET NO 50-414
DATE October 13, 1989
COMPLETED BY R.A. Williams
TELEPHONE 704-373-5987

OPERATING STATUS

1. Unit Name: Catawba 2
2. Reporting Period: September 1, 1989-September 30, 1989
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	6551.0	27336.0
12. Number Of Hours Reactor Was Critical	720.0	4239.1	19341.5
13. Reactor Reserve Shutdown Hours	--0--	--0--	--0--
14. Hours Generator On-Line	720.0	4095.2	18745.9
15. Unit Reserve Shutdown Hours	--0--	--0--	--0--
16. Gross Thermal Energy Generated (MWH)	2165182	12785122	57289347
17. Gross Electrical Energy Generated (MWH)	761311	4496478	20184599
18. Net Electrical Energy Generated (MWH)	718294	4207491	18844323
19. Unit Service Factor	100.0	62.5	68.6
20. Unit Availability Factor	100.0	62.5	68.6
21. Unit Capacity Factor (Using MDC Net)	88.4	56.9	60.7
22. Unit Capacity Factor (Using DER Net)	87.1	56.1	60.2
23. Unit Forced Outage Rate	0.0	6.0	19.4

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 October 13, 1989
COMPLETED BY R.A. Williams
TELEPHONE 704-373-5967

MONTH September, 1989

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	1102	17	1100
2	1101	18	1103
3	1106	19	1100
4	1111	20	1104
5	1108	21	1096
6	1105	22	668
7	1101	23	887
8	1102	24	1105
9	1096	25	1108
10	1094	26	832
11	1092	27	486
12	1096	28	465
13	1099	29	442
14	1095	30	875
15	1079		
16	1091		

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-414
UNIT NAME CATAWBA 2
DATE 10/13/89
COMPLETED BY S. W. MOSER
TELEPHONE (704)-373-5762

REPORT MONTH September 1989

NO.	DATE	(1) TYPE	DURATION HOURS	(2) REASON	(3) METHOD OF SHUTDOWN R/X	LICENSE EVENT REPORT NO.	(4) SYSTEM CODE	(5) COMPONENT CODE	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
24-P	89- 9-22	F	--	A	--		EB	CKTBKR	REDUCTION DUE TO '1HTA' RELAY BREAKER FAILURE CAUSED BY RAINWATER ENTERING CUBICLE
25-P	89- 9-22	F	--	B	--		CB	INSTRU	HOLDING POWER FOR REACTOR COOLANT LEAKAGE CALCULATION
26-P	89- 9-26	F	--	A	--		HG	HTEXCH	REDUCTION FOR CLEANING OF CONDENSER CIRCULATING WATER SYATEM WATERBOXES

(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 License Event Report (LER) File (NUREG-0161)

(5)
Exhibit I - Same Source

DOCKET NO: 50-414

UNIT: Catawba 2

DATE: 10/13/89

NARRATIVE SUMMARY

Month: September 1989

Catawba Unit 2 began the month of September operating at 97% power due to "2C" Steam Generator Feedwater Regulating Valve demand positioning. At 0600 on 9/22, the unit decreased power to 37% due to "1HTA" Relay Breaker failure caused by rainwater entering the cubicle. The unit commenced a power increase at 0915 on 9/22. At 1530 on 9/22, the unit held power at 66% for Reactor Coolant Leakage calculation. Power increase was resumed at 0820 on 9/23, and reached 97% power at 1800 on 9/23 where it held, due to "2C" Steam Generator Feedwater Regulating Valve demand positioning. At 1015 on 9/26, the unit reduced power to 43% for cleaning of Condenser Circulating Water System Waterboxes. A power increase was commenced at 0220 on 9/30, and the unit reached 97% power at 1600 on 9/30. The unit operated at 97% for the remainder of the month due to "2C" Steam Generator Feedwater Regulating Valve demand positioning.

Prepared by: S. W. Moser
Telephone: 704-373-5762

MONTHLY REFUELING INFORMATION REQUEST

1. Facility name: Catawba, Unit 2

2. Scheduled next refueling shutdown: May 1990

3. Scheduled restart following refueling: July 1990

4. Will refueling or resumption of operation thereafter require a technical specification change or other license amendment? No

   If yes, what will these be? _____

   If no, has reload design and core configuration been reviewed by Safety Review Committee regarding unreviewed safety questions? N/A

5. Scheduled date(s) for submitting proposed licensing action and supporting information: N/A

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: 136

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: January, 2013

DUKE POWER COMPANY

DATE: October 13, 1989

Name of Contact: J. A. Reavis

Phone: 704-373-7567