OPERATING DATA REPORT

DOCKET NO 50-413
DATE May 15, 1990
COMPLETED BY R.A. Williams
TELEPHONE 704-373-5987

OPERATING STATUS

1. Unit Name: Catawba 1
2. Reporting Period: April 1, 1990-April 30, 1990
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	719.0	2879.0	42408.0
12. Number Of Hours Reactor Was Critical	182.4	811.1	30479.8
13. Reactor Reserve Shutdown Hours	--0--	--0--	--0--
14. Hours Generator On-Line	129.7	757.8	29643.8
15. Unit Reserve Shutdown Hours	--0--	--0--	--0--
16. Gross Thermal Energy Generated (MWH)	279049	2394364	94927469
17. Gross Electrical Energy Generated (MWH)	95010	838730	33291551
18. Net Electrical Energy Generated (MWH)	66654	753251	31149629
19. Unit Service Factor	18.0	26.3	69.9
20. Unit Availability Factor	18.0	26.3	69.9
21. Unit Capacity Factor (Using MDC Net)	8.2	23.2	64.6
22. Unit Capacity Factor (Using DER Net)	8.1	22.9	64.2
23. Unit Forced Outage Rate	67.1	25.9	13.8

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 50-413
UNIT Catawba 1
DATE May 15, 1990
COMPLETED BY R.A. Williams
TELEPHONE 704-373-5987

MONTH April, 1990

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	0	17	0
2	0	18	0
3	0	19	0
4	0	20	0
5	0	21	0
6	0	22	0
7	0	23	0
8	0	24	0
9	0	25	2
10	0	26	205
11	0	27	391
12	0	28	809
13	0	29	1097
14	0	30	1126
15	0		
16	0		

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH April 1990

DOCKET NO. 50-413
UNIT NAME CATAWBA 1
DATE 05/15/90
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
1	90- 4- 1	S	35.00	C	1		RC	FUELXX	END-OF-CYCLE '4' REFUELING OUTAGE
2	90- 4- 2	S	120.00	B	--		CH	HTEXCH	FIVE DAY OUTAGE EXTENSION DUE TO STEAM GENERATOR TUBE INSPECTION AND PLUGGING
3	90- 4- 7	S	168.00	B	--		ZZ	VALVEX	SEVEN DAY DELAY DUE TO VALVE REALIGNMENT CHECKS AND UNIT TESTS RUN IN SERIES
4	90- 4-14	F	24.00	A	--		CF	XXXXXX	ONE DAY DELAY DUE TO OVERPRESSURIZATION OF RESIDUAL HEAT REMOVAL SYSTEM IN MODE 5 ON 03/20
5	90- 4-15	F	240.17	A	--		CB	XXXXXX	TEN DAY DELAY DUE TO REACTOR COOLANT SYSTEM LEAK AT CONO SEAL AT REACTOR VESSEL HEAD

(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

REPORT MONTH April 1990

DOCKET NO. 50-413
UNIT NAME CATAWBA 1
DATE 05/15/90
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
6	90- 4-25	S	2.18	B	1		HA	TURBIN	TURBINE OVERSPEED TESTING
2-P	90- 4-26	F	--	B	--		CC	HTEXCH	STEAM GENERATOR SECONDARY BORON SOAK
3-P	90- 4-27	F	--	H	--		WF	ACCUMU	FEEDWATER STORAGE TANK MAKEUP
4-P	90- 4-27	S	--	B	--		IE	XXXXXX	FLUX MAPPING
5-P	90- 4-28	S	--	B	--		IE	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: 05/15/90

NARRATIVE SUMMARY

MONTH: April 1990

Catawba Unit 1 began the month of April shut down for its End-Of-Cycle '4' refueling outage. The unit was placed on-line at 1210 on 04/25 for turbine overspeed test. The test was completed at 2214 on 04/25. The unit was returned on-line at 0025 on 04/26 to end the EOC '4' refueling outage. During the subsequent power increase, the unit was held at 30% power from 0930 on 04/26 to 0415 on 04/27 for steam generator secondary side boron hot soak. During this time, core flux mapping and feedwater open loop testing were also completed. The unit was next held at 33% power from 0621 to 1100 on 04/27 for feedwater storage tank makeup. A power hold for flux mapping took place at 35% power from 1315 to 1353 on 04/27. The next power hold for the unit took place at 75% power from 1030 to 1730 on 04/28 for flux mapping and feedwater open loop testing. After increasing power to 95% power, the unit was held from 0330 to 1230 on 04/29 for nuclear instrumentation calibration. The unit reached 100% full power at 1720 on 04/29, and operated at 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: February 1991

3. Scheduled restart following refueling: April 1991

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: 264

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: May 15, 1990

Name of Contact: J. A. Reavis Phone: 704-373-7567

OPERATING DATA REPORT

DOCKET NO 50-414
DATE May 15, 1990
COMPLETED BY R.A. Williams
TELEPHONE 704-373-5987

OPERATING STATUS

1. Unit Name: Catawba 2
2. Reporting Period: April 1, 1990-April 30, 1990
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	719.0	2879.0	32424.0
12. Number Of Hours Reactor Was Critical	719.0	2837.7	24388.1
13. Reactor Reserve Shutdown Hours	--0--	--0--	--0--
14. Hours Generator On-Line	719.0	2820.8	23775.6
15. Unit Reserve Shutdown Hours	--0--	--0--	--0--
16. Gross Thermal Energy Generated (MWH)	2333430	9077147	73189747
17. Gross Electrical Energy Generated (MWH)	832585	3247317	25863483
18. Net Electrical Energy Generated (MWH)	789199	3074881	24219897
19. Unit Service Factor	100.0	98.0	73.3
20. Unit Availability Factor	100.0	98.0	73.3
21. Unit Capacity Factor (Using MDC Net)	97.2	94.6	65.8
22. Unit Capacity Factor (Using DER Net)	95.9	93.3	65.2
23. Unit Forced Outage Rate	0.0	2.0	16.1

24. Shutdown Scheduled Over Next 6 Months (Type, Date, and Duration of Each):
Refueling - June 8, 1990 - 9 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 50-414
UNIT Catawba 2
DATE May 15, 1990
COMPLETED BY R.A. Williams
TELEPHONE 704-373-5987

MONTH April, 1990

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERABE DAILY POWER LEVEL (MWe-Net)
1	1055	17	1097
2	1100	18	1103
3	1107	19	1102
4	1106	20	1098
5	1106	21	1095
6	1094	22	1096
7	1105	23	1091
8	1102	24	1067
9	1100	25	1093
10	1096	26	1094
11	1096	27	1093
12	1103	28	1092
13	1104	29	1100
14	1100	30	1096
15	1097		
16	1098		

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH April 1990

DOCKET NO. 50-414
UNIT NAME CATAWBA 2
DATE 05/15/90
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
		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 NO: 50-414

UNIT: Catawba 2

DATE: 05/15/90

NARRATIVE SUMMARY

MONTH: April 1990

Catawba Unit 2 began the month of April operating at 97% power due to main feedwater control valve position. The unit operated at or near 97% power for the entire month, and ended the month operating at 97% power.

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

MONTHLY REFUELING INFORMATION REQUEST

1. Facility name: Catawba, Unit 2

2. Scheduled next refueling shutdown: June 1990

3. Scheduled restart following refueling: August 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: September 2011

DUKE POWER COMPANY DATE: May 15, 1990

Name of Contact: J. A. Reavis Phone: 704-373-7567