OPERATING DATA REPORT

DOCKET 50-413
DATE 5-15-87
COMPLETED BY J. A. Reavis
TELEPHONE 704/373-7567

OPERATING STATUS

1. Unit Name: CATAWBA 1
2. Reporting Period: APRIL 1, 1987-APRIL 30, 1987
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):
7. Maximum Dependable Capacity (Net MWe): 1145
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	2,879.0	16,104.0
12. Number Of Hours Reactor Was Critical	706.1	2,522.1	11,559.5
13. Reactor Reserve Shutdown Hours	--0--	--0--	--0--
14. Hours Generator On-Line	702.6	2,466.7	11,137.4
15. Unit Reserve Shutdown Hours	--0--	--0--	--0--
16. Gross Thermal Energy Generated (MWH)	2,343,400	8,039,904	34,612,126
17. Gross Electrical Energy Generated (MWH)	821,480	2,831,900	12,112,632
18. Net Electrical Energy Generated (MWH)	777,460	2,664,610	11,287,616
19. Unit Service Factor	97.7	85.7	69.2
20. Unit Availability Factor	97.7	85.7	69.2
21. Unit Capacity Factor (Using MDC Net)	94.4	80.8	61.2
22. Unit Capacity Factor (Using DER Net)	94.4	80.8	61.2
23. Unit Forced Outage Rate	2.3	14.3	18.7

24. Shutdowns 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		

IE24 1/1

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-413
UNIT Catawba 1
DATE May 15, 1987
COMPLETED BY J. A. Reavis
TELEPHONE 704-373-7567

MONTH APRIL, 1987

DAY	AVERAGE DAILY POWER LEVEL (MWE-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWE-Net)
1	1144	17	1139
2	1141	18	1125
3	1139	19	1014
4	1141	20	1009
5	1143	21	1120
6	1135	22	1132
7	1137	23	1129
8	1137	24	1129
9	467	25	1136
10	497	26	1135
11	1092	27	1136
12	1120	28	1135
13	1135	29	1137
14	1137	30	1130
15	1132		
16	1138		

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH April 1987

DOCKET NO. 50-413
UNIT NAME CATAWBA 1
DATE 05/15/87
COMPLETED BY GERALD REAVIS
TELEPHONE (704)-373-7567

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	87- 4- 6	F	--	B	--		CF	VALVEX	INSERVICE TEST SURVEILLANCE FOR RESIDUAL HEAT REMOVAL CHECK VALVES
25-p	87- 4- 8	F	--	A	--		HJ	PUMPXX	REDUCTION TO SECURE '1C1' HEATER DRAIN TANK PUMP
26-p	87- 4- 9	F	--	A	--		HJ	PUMPXX	HEATER DRAIN TANK PUMP '1C1' REPAIR (RX AT 100%)
7	87- 4- 9	F	16.43	A	3		HH	VALVEX	RX TRIP DUE TO FAILED CLOSED FEED-WATER ISOLATION VALVE (BLOWN FUSE)
27-p	87- 4-10	F	--	A	--		HH	PUMPXX	SECURED POWER INCREASE TO PLACE SECOND FEEDWATER PUMP ON LINE
28-p	87- 4-10	F	--	B	--		IE	INSTRU	POWER INCREASE ON HOLD DUE TO RECALI-BRATION OF NUCLEAR INSTRUMENTATION

(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 1987

DOCKET NO. 50-413
UNIT NAME CATAWBA 1
DATE 05/15/87
COMPLETED BY GERALD REAVIS
TELEPHONE (704)-373-7567

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
29-p	87- 4-10	F	--	B	--		IE	INSTRU	POWER INCREASE ON HOLD DUE TO RECALIBRATION OF NUCLEAR INSTRUMENTATION
30-p	87- 4-10	F	--	B	--		IE	INSTRU	POWER INCREASE ON HOLD DUE TO RECALIBRATION OF NUCLEAR INSTRUMENTATION
31-p	87- 4-18	S	--	F	--		ZZ	ZZZZZZ	POWER DECREASE PER DISPATCHER REQUEST
32-p	87- 4-19	S	--	F	--		ZZ	ZZZZZZ	POWER INCREASE PER DISPATCHER REQUEST
33-p	87- 4-20	S	--	F	--		ZZ	ZZZZZZ	POWER DECREASE PER DISPATCHER REQUEST
34-p	87- 4-20	F	--	B	--		CB	ZZZZZZ	HOLDING REACTOR POWER TO PERFORM RX COOLANT SYSTEM LEAKAGE CALCULATIONS

(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: 5/15/87

NARRATIVE SUMMARY

Month: April, 1987

Catawba Unit 1 began the month at 100% power. On 4/09 at 1041, the unit tripped after a feedwater regulating valve failed closed. The unit was returned to service on 04/10 at 0310 and increased power to 100%. It remained at that level for the rest of the month.

MONTHLY REFUELING INFORMATION REQUEST

1. Facility name: Catawba, Unit 1

2. Scheduled next refueling shutdown: October, 1987

3. Scheduled restart following refueling: December, 1987

4. Will refueling or resumption of operation thereafter require a technical specification change or other license amendment? Yes

   If yes, what will these be? Technical Specification Revision

   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: 64

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, 1987

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

OPERATING DATA REPORT

DOCKET 50-414
DATE 5-15-87
COMPLETED BY J. A. Reavis
TELEPHONE 704/373-7567

OPERATING STATUS

1. Unit Name: CATAWBA 2
2. Reporting Period: APRIL 1, 1987-APRIL 30, 1987
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):
7. Maximum Dependable Capacity (Net MWe): 1145
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	2,879.0	6,120.0
12. Number Of Hours Reactor Was Critical	525.9	2,361.4	3,754.2
13. Reactor Reserve Shutdown Hours	--0--	--0--	--0--
14. Hours Generator On-Line	482.5	2,267.1	3,592.8
15. Unit Reserve Shutdown Hours	--0--	--0--	--0--
16. Gross Thermal Energy Generated (MWH)	1,500,570	7,234,564	11,279,178
17. Gross Electrical Energy Generated (MWH)	521,565	2,523,784	3,946,926
18. Net Electrical Energy Generated (MWH)	483,962	2,363,646	3,660,848
19. Unit Service Factor	67.1	78.7	58.7
20. Unit Availability Factor	67.1	78.7	58.7
21. Unit Capacity Factor (Using MDC Net)	58.8	71.7	52.2
22. Unit Capacity Factor (Using DER Net)	58.8	71.7	52.2
23. Unit Forced Outage Rate	32.9	19.3	40.6

24. Shutdowns 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		

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-414
UNIT Catawba 2
DATE May 15, 1987
COMPLETED BY J. A. Reavis
TELEPHONE 704-373-7567

MONTH APRIL, 1987

DAY	AVERAGE DAILY POWER LEVEL (MWE-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWE-Net)
1	0	17	1140
2	0	18	1139
3	0	19	923
4	0	20	900
5	0	21	899
6	0	22	1040
7	0	23	1138
8	0	24	1109
9	0	25	1113
10	407	26	1139
11	1107	27	1107
12	1142	28	1123
13	760	29	1140
14	0	30	1132
15	881		
16	1130		

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH April 1987

DOCKET NO. 50-414
UNIT NAME CATAWBA 2
DATE 05/15/87
COMPLETED BY GERALD REAVIS
TELEPHONE (704)-373-7567

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
5	87- 4- 1	F	193.03	A	4		CB	VALVEX	REACTOR COOLANT SYSTEM UNIDENTIFIED LEAKAGE OUT OF SPEC (PZR ISOL. VLV. LEAK)
6	87- 4- 9	F	20.73	A	4		HA	INSTRU	ALTEREX COUPLING GREASE SEAL DAMAGE REQUIRING REPLACEMENT OF SEAL (RX CRITICAL)
38-p	87- 4-10	F	--	H	--		HB	HTEXCH	PLACE '2A2' AND '2B2' FEEDWATER HEATERS IN SERVICE
39-p	87- 4-10	F	--	H	--		HH	VALVEX	SWAP MAIN STEAM GENERATOR FEED REG VALVES
40-p	87- 4-10	S	--	B	--		HB	VALVEX	CONTROL VALVE MOVEMENT TEST
41-p	87- 4-11	S	--	B	--		HB	VALVEX	CONTROL VALVE MOVEMENT TEST

(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 1987

DOCKET NO. 50-414
UNIT NAME CATAWBA 2
DATE 05/15/87
COMPLETED BY GERALD REAVIS
TELEPHONE (704)-373-7567

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
7	87- 4-13	F	23.78	A	1		CB	ZZZZZZ	REACTOR COOLANT SYSTEM UNIDENTIFIED LEAKAGE OUT OF SPEC
42-p	87- 4-15	S	--	B	--		HB	VALVEX	CONTROL VALVE MOVEMENT TEST
43-p	87- 4-15	F	--	A	--		HA	TURBIN	DURING TURBINE TRIP TEST STATOR COOLING WATER DROPPED LOAD
44-p	87- 4-18	S	--	F	--		ZZ	ZZZZZZ	POWER DECREASE PER DISPATCHER REQUEST
45-p	87- 4-19	S	--	F	--		ZZ	ZZZZZZ	POWER DECREASE PER DISPATCHER REQUEST
46-p	87- 4-22	F	--	A	--		RB	CONROD	OVERPOWER ROD STOP RECEIVED ON "N-44"
47-p	87- 4-24	S	--	B	--		HA	TURBIN	TURBINE ACCEPTANCE TESTING

(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 1987

DOCKET NO. 50-414
UNIT NAME CATAWBA 2
DATE 05/15/87
COMPLETED BY GERALD REAVIS
TELEPHONE (704)-373-7567

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
48-p	87- 4-24	S	--	B	--		HA	TURBIN	TURBINE ACCEPTANCE TESTING
49-p	87- 4-24	S	--	B	--		HA	TURBIN	TURBINE ACCEPTANCE TESTING
50-p	87- 4-25	S	--	F	--		ZZ	ZZZZZZ	POWER ON HOLD PER DISPATCHERS REQUEST
51-p	87- 4-27	S	--	B	--		HA	TURBIN	TURBINE ACCEPTANCE TESTING
52-p	87- 4-27	S	--	B	--		HA	TURBIN	TURBINE ACCEPTANCE TESTING
53-p	87- 4-28	S	--	A	--		HB	ZZZZZZ	INVALID SECONDARY THERMAL OUTPUT DURING TURBINE ACCEPTANCE TEST RECOVERY

(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: 5/15/87

NARRATIVE SUMMARY

Month: April, 1987

Catawba Unit 2 began the month in an outage to repair a Reactor Coolant system leak. On 4/09 at 0100, the unit returned to service, but was forced off line at 0215 when a grease seal between the exciter and generator failed. The unit was returned to service at 2300 on 4/10 and increased power to 100%. On 4/13 the unit was forced off line due to unidentified leakage. The unit returned to service on 4/15 at 1755, and increased power to 100%. On 4/19 power was reduced per a request by the Dispatcher and then held power at 80% for testing. The unit increased power to 100% on 4/22 and operated at that level for the remainder of the month.

MONTHLY REFUELING INFORMATION REQUEST

1. Facility name: Catawba, Unit 2

2. Scheduled next refueling shutdown: January, 1988

3. Scheduled restart following refueling: March, 1988

4. Will refueling or resumption of operation thereafter require a technical specification change or other license amendment? Yes

   If yes, what will these be? Technical Specification Revision

   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: -0-

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: May 15, 1987

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

CATAWBA NUCLEAR STATION

MONTHLY OPERATING STATUS REPORT

1. Personnel Exposure

   For the month of March, no individual exceeded 10 percent of their allowable annual radiation dose limit.

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

DUKE POWER COMPANY
P.O. BOX 33189
CHARLOTTE, N.C. 28242

HAL B. TUCKER
VICE PRESIDENT
NUCLEAR PRODUCTION

TELEPHONE
(704) 373-4531

May 15, 1987

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

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

Dear Sir:

Please find attached information concerning the performance and operating status of the Catawba Nuclear Station for the month of April, 1987.

Very truly yours,

Hal B. Tucker

Hal B. Tucker

JAR/20/sbn

Attachment

xc: Dr. J. Nelson Grace, Regional Administrator
U. S. Nuclear Regulatory Commission
Region II
101 Marietta Street, NW, Suite 2900
Atlanta, Georgia 30323

Mr. Phil Ross
U. S. Nuclear Regulatory Commission
MNBB-5715
Washington, D. C. 20555

Dr. K. Jabbour, Project Manager
Office of Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Mr. P. K. Van Doorn
NRC Resident Inspector
Catawba Nuclear Station

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U. S. Department of Energy
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Germantown, Maryland 20874

American Nuclear Insurers
c/o Dottie Sherman, ANI Library
The Exchange, Suite 245
270 Farmington Avenue
Farmington, CT 06032

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