OPERATING DATA REPORT

DOCKET 50-413
DATE 12-15-87
COMPLETED BY J. A. Reavis
TELEPHONE 704/373-7567

OPERATING STATUS

1. Unit Name: CATAWBA 1
2. Reporting Period: NOVEMBER 1, 1987-NOVEMBER 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	720.0	8,016.0	21,241.0
12. Number Of Hours Reactor Was Critical	0.0	6,013.4	15,050.7
13. Reactor Reserve Shutdown Hours	--0--	--0--	--0--
14. Hours Generator On-Line	0.0	5,921.5	14,592.3
15. Unit Reserve Shutdown Hours	--0--	--0--	--0--
16. Gross Thermal Energy Generated (MWH)	0	19,471,143	46,043,365
17. Gross Electrical Energy Generated (MWH)	0	6,809,662	16,090,394
18. Net Electrical Energy Generated (MWH)	(7,096)	6,398,877	15,021,883
19. Unit Service Factor	0.0	73.9	68.7
20. Unit Availability Factor	0.0	73.9	68.7
21. Unit Capacity Factor (Using MDC Net)	0.0	69.7	61.8
22. Unit Capacity Factor (Using DER Net)	0.0	69.7	61.8
23. Unit Forced Outage Rate	0.0	9.4	15.9

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: December 2, 1987

26. Units In Test Status (Prior to Commercial Operation):

	Forecast	Achieved
INITIAL CRITICALITY	---	---
INITIAL ELECTRICITY	---	---
COMMERCIAL OPERATION	---	---

I E24 1/1

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO 50-413

UNIT Catawba 1

DATE December 15, 1987

COMPLETED J. A. Reavis

TELEPHONE 704-373-7567

MONTH NOVEMBER, 1987

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	0
10	0	26	0
11	0	27	0
12	0	28	0
13	0	29	0
14	0	30	0
15	0		
16	0		

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-413
UNIT NAME CATAWBA 1
DATE 12/15/87
COMPLETED BY J. A. REAVIS
TELEPHONE (704)-373-7567

REPORT MONTH November 1987

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
12	87-11- 1	S	720.00	C	1		RC	FUELXX	END OF CYCLE 2 REFUELING OUTAGE

(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: 12/15/87

NARRATIVE SUMMARY

Month: November, 1987

Catawba Unit 1 was out of service for the entire month of November due to its End of Cycle 2 Refueling Outage.

MONTHLY REFUELING INFORMATION REQUEST

1. Facility name: Catawba, Unit 1

2. Scheduled next refueling shutdown: Currently Refueling

3. Scheduled restart following refueling: ----------

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: 132

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: December 15, 1987

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

OPERATING DATA REPORT

DOCKET 50-414
DATE 12-15-87
COMPLETED BY J. A. Reavis
TELEPHONE 704/373-7567

OPERATING STATUS

1. Unit Name: CATAWBA 2
2. Reporting Period: NOVEMBER 1, 1987-NOVEMBER 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	720.0	8,016.0	11,257.0
12. Number Of Hours Reactor Was Critical	625.7	6,660.3	8,053.2
13. Reactor Reserve Shutdown Hours	--0--	--0--	--0--
14. Hours Generator On-Line	594.6	6,466.9	7,792.6
15. Unit Reserve Shutdown Hours	--0--	--0--	--0--
16. Gross Thermal Energy Generated (MWH)	1,695,925	20,422,617	24,467,231
17. Gross Electrical Energy Generated (MWH)	603,293	7,205,710	8,628,852
18. Net Electrical Energy Generated (MWH)	562,328	6,758,030	8,055,232
19. Unit Service Factor	82.6	80.7	69.2
20. Unit Availability Factor	82.6	80.7	69.2
21. Unit Capacity Factor (Using MDC Net)	68.2	73.6	62.5
22. Unit Capacity Factor (Using DER Net)	68.2	73.6	62.5
23. Unit Forced Outage Rate	17.4	18.6	30.3

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):
Refueling - December 18, 1987 - 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		

AVERAGE DAILY UNIT POWER LEVEL

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

MONTH NOVEMBER, 1987

DAY	AVERAGE DAILY POWER LEVEL (MWE-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWE-Net)
1	1093	17	1110
2	1080	18	902
3	494	19	856
4	0	20	855
5	0	21	851
6	0	22	854
7	0	23	850
8	0	24	850
9	706	25	847
10	1140	26	847
11	1150	27	845
12	1153	28	846
13	1149	29	847
14	1149	30	849
15	1147		
16	1144		

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-414
UNIT NAME CATAWBA 2
DATE 12/15/87
COMPLETED BY J. A. REAVIS
TELEPHONE (704)-373-7567

REPORT MONTH November 1987

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
110-p	87-11- 1	F	--	A	--		CH	HTEXCH	REDUCTION DUE TO S/G HIGH DIFFERENTIAL PRESSURE
111-p	87-11- 2	F	--	B	--		HH	VALVEX	REDUCTION DUE TO OPTIMIZING OF FEEDWATER REGULATING VALVES POSITIONS
112-p	87-11- 3	F	--	A	--		CH	HTEXCH	UNIT BEGAN SHUTDOWN DUE TO S/G '2C' LEVELS 2 AND 4 INOPERABLE
18	87-11- 3	F	125.38	A	3		CH	HTEXCH	TURBINE TRIP AND MANUAL REATOR TRIP DUE TO S/G '2C' LEVEL INDICATION HIGH
113-p	87-11- 8	F	--	F	--		CH	HTEXCH	POWER INCREASE ON HOLD FOR S/G NOZZLE SWAP
114-p	87-11- 9	F	--	B	--		IE	INSTRU	POWER HOLD DUE TO NUCLEAR INSTRUMENTATION RECALIBRATION

(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. 50-414
UNIT NAME CATAWBA 2
DATE 12/15/87
COMPLETED BY J. A. REAVIS
TELEPHONE (704)-373-7567

REPORT MONTH November 1987

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
115-p	87-11-17	S	--	F	--		ZZ	ZZZZZZ	POWER REDUCTION PER DISPATCHER'S REQUEST DUE TO LOW SYSTEM DEMAND
116-p	87-11-18	S	--	F	--		ZZ	XXXXXX	POWER REDUCTION FOR CORE COASTDOWN

(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: 12/15/87

NARRATIVE SUMMARY

Month: November, 1987

Catawba Unit 2 began the month of November operating at 95% power, limited by S/G High Delta P. At 1120 on 11/02, power was reduced to 93% to optimize the positions of the Feedwater Regulating Valves. At 0926 on 11/3, while still operating at 93% power, a unit shutdown was commenced due to 2 out of 4 S/G channels being inoperable. At 1146 the same day, the Turbine tripped off line and the Reactor was manually tripped following an indication of high S/G level. The unit was returned to service at 1709 on 11/08, and following several startup related power holds, reached 100% power at 1842 on 11/09. The unit then operated at 100% power until 11/17 at 1300, when power was reduced to 75% per Dispatcher request. At 2400 on 11/18, the unit began a planned coastdown towards its End of Cycle 1 Refueling Outage.

MONTHLY REFUELING INFORMATION REQUEST

1. Facility name: Catawba, Unit 2

2. Scheduled next refueling shutdown: December, 1987

3. Scheduled restart following refueling: February, 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: December 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 October, 4 individuals exceeded 10 percent of their allowable annual radiation dose limit with the highest dose being 1.340 rem, which represents approximately 11.2% of that person's allowable annual limit.

2. The total station liquid release for October 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 October 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

December 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 November, 1987.

Very truly yours,

Hal B. Tucker

JAR/1114/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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