

Duke Power Company
Electric Center
P.O. Box 1006
Charlotte, N.C. 28201-1006



DUKE POWER

March 15, 1994

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

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

Dear Sir:

Please find attached information concerning the performance and operating status of the Catawba Nuclear Station for the month of February, 1994.

Very truly yours,

E. O. McCraw / D. Clark
E. O. McCraw, Manager
Operations, Performance & Automation

EOM/raw
Attachments

xc: Mark Lesser
Regional Administrator/Region II
U.S. Nuclear Regulatory Commission
101 Marietta Street, NW, Suite 2900
Atlanta, GA 30323

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

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

Bob Martin
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Ms. Margaret Aucoin
Nuclear Assurance Corporation
Suite 200
655 Engineering Drive
Norcross, GA 30092-2843

R. J. Freudenberger
Senior Resident Inspector
Catawba Nuclear Station

9403220068 940228
PDR ADDCK 05000413
PDR

JE24

File: GS-801.01
U.S. NRL - Catawba
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bc: K. S. Canady (EC08H)
T. E. Mooney (EC05N)
B. J. Horsley (EC03U)
N. A. Rutherford (EC07I)
E. C. Fisher (MNS)
B. W. Walsh (PB02L)
Judy Smoak (CNS)
C. D. Denton (PB05E)
Candace Paton (PB02L)
D. R. Groux (ON01VP)
D. W. Denard (ON0102)
G. A. Copp (EC050) (File)
B. T. Faulkenberry (EC07C)
J. S. Forbes (CNS)
E. G. LaCasse (CNS)
Z. L. Taylor (CNS)

OPERATING DATA REPORT

DOCKET NO 50-413

DATE March 15, 1994

COMPLETED BY R.A. Williams

TELEPHONE 704-382-5346

OPERATING STATUS

1. Unit Name: Catawba 1
2. Reporting Period: February 1, 1994-February 28, 1994
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	672.0	1416.0	76009.0
12. Number Of Hours Reactor Was Critical	672.0	1389.6	57167.6
13. Reactor Reserve Shutdown Hours	--0--	--0--	--0--
14. Hours Generator On-Line	672.0	1378.1	56031.5
15. Unit Reserve Shutdown Hours	--0--	--0--	--0--
16. Gross Thermal Energy Generated (MWH)	2234411	4476859	181719395
17. Gross Electrical Energy Generated (MWH)	305536	1606395	63970530
18. Net Electrical Energy Generated (MWH)	764145	1520955	60065584
19. Unit Service Factor	100.0	97.3	73.7
20. Unit Availability Factor	100.0	97.3	73.7
21. Unit Capacity Factor (Using MDC Net)	100.7	95.1	69.7
22. Unit Capacity Factor (Using DER Net)	99.3	93.8	69.0
23. Unit Forced Outage Rate	0.0	2.6	10.1

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

OPERATING DATA REPORT

DOCKET NO 50-413
 UNIT Catawba 1
 DATE March 15, 1994
 COMPLETED BY R.A. Williams
 TELEPHONE 704-382-5346

MONTH February, 1994

<u>DAY</u>	<u>AVERAGE DAILY POWER LEVEL (MWe-Net)</u>	<u>DAY</u>	<u>AVERAGE DAILY POWER LEVEL (MWe-Net)</u>
1	<u>1141</u>	17	<u>1139</u>
2	<u>1140</u>	18	<u>1139</u>
3	<u>1140</u>	19	<u>1135</u>
4	<u>1140</u>	20	<u>1135</u>
5	<u>1137</u>	21	<u>1135</u>
6	<u>1137</u>	22	<u>1135</u>
7	<u>1138</u>	23	<u>1136</u>
8	<u>1134</u>	24	<u>1138</u>
9	<u>1128</u>	25	<u>1141</u>
10	<u>1138</u>	26	<u>1141</u>
11	<u>1118</u>	27	<u>1141</u>
12	<u>1139</u>	28	<u>1140</u>
13	<u>1139</u>		
14	<u>1140</u>		
15	<u>1138</u>		
16	<u>1138</u>		

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH February 1994

DOCKET NO. 50-413
 UNIT NAME CATAWBA 1
 DATE 03/15/94
 COMPLETED BY R. A. WILLIAMS
 TELEPHONE (704)-382-5346

NO.	DATE	(1) TYPE	DURATION HOURS	(2) REASON	(3) METHOD OF SHUT DOWN R/X	LICENSE EVENT REPORT NO.	(4) SYS- TEM 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 (NUREG-0161)

- (5)
 Exhibit I - Same Source

DOCKET: 50-413

UNIT: Catawba 1

Date: 03/15/94

NARRATIVE SUMMARY

MONTH: February 1994

Catawba Unit 1 operated the month of February at or near 97.5% reactor power due to reactor coolant flow the entire month. The generator operated at or near 100% power the entire month.

Prepared by: R. A. Williams
Telephone: (704)-382-5346

MONTHLY REFUELING INFORMATION REQUEST

1. Facility name: Catawba, Unit 1
2. Scheduled next refueling shutdown: February 1995
3. Scheduled restart following refueling: April 1995

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 licence 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: 484
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: March 15, 1994

Name of Contact: R. A. Williams

Phone: (704)-382-5346

OPERATING DATA REPORT

DOCKET NO 50-414
 DATE March 15, 1994
 COMPLETED BY R.A. Williams
 TELEPHONE 704-382-5346

OPERATING STATUS

1. Unit Name: Catawba 2
2. Reporting Period: February 1, 1994-February 28, 1994
3. Licensed Thermal Power (MWt): 5411
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	672.0	1416.0	66025.0
12. Number Of Hours Reactor Was Critical	672.0	1416.0	51856.9
13. Reactor Reserve Shutdown Hours	--0--	--0--	--0--
14. Hours Generator On-Line	672.0	1381.5	50461.0
15. Unit Reserve Shutdown Hours	--0--	--0--	--0--
16. Gross Thermal Energy Generated (MWH)	2136125	4419712	161308751
17. Gross Electrical Energy Generated (MWH)	765391	1586784	57164043
18. Net Electrical Energy Generated (MWH)	725488	1503577	53793634
19. Unit Service Factor	100.0	97.6	76.4
20. Unit Availability Factor	100.0	97.6	76.4
21. Unit Capacity Factor (Using MDC Net)	95.6	94.1	72.0
22. Unit Capacity Factor (Using DER Net)	94.3	92.7	71.2
23. Unit Forced Outage Rate	0.0	2.4	9.5
24. Shutdown Scheduled Over Next 6 Months (Type, Date, and Duration of Each): <u>Refueling - April 29, 1994 - 60 days</u>			

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 March 15, 1994
 COMPLETED BY R.A. Williams
 TELEPHONE 704-382-5346

MONTH February, 1994

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>1155</u>	17	<u>1152</u>
2	<u>1156</u>	18	<u>1151</u>
3	<u>1154</u>	19	<u>1148</u>
4	<u>1153</u>	20	<u>1147</u>
5	<u>1150</u>	21	<u>1144</u>
6	<u>1151</u>	22	<u>692</u>
7	<u>1151</u>	23	<u>144</u>
8	<u>1146</u>	24	<u>662</u>
9	<u>1136</u>	25	<u>1128</u>
10	<u>1151</u>	26	<u>1152</u>
11	<u>1154</u>	27	<u>1154</u>
12	<u>1133</u>	28	<u>1153</u>
13	<u>1152</u>		
14	<u>1153</u>		
15	<u>1152</u>		
16	<u>1153</u>		

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH February 1994

DOCKET NO. 50-414
 UNIT NAME CATAWBA 2
 DATE 03/15/94
 COMPLETED BY R. A. WILLIAMS
 TELEPHONE (704)-382-5346

NO.	DATE	(1) TYPE	DURATION HOURS	(2) REASON	(3) METHOD OF SHUT DOWN R/X	LICENSE EVENT REPORT NO.	(4) SYS- TEM CODE	(5) COMPONENT CODE	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
2-P	94- 2-23	F	--	A	--		CB	PUMPXX	HOLDING AT 15% POWER FOR ADDITION OF OIL TO '2B' REACTOR COOLANT PUMP

- (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: 50-414

UNIT: Catawba 2

Date: 03/15/94

NARRATIVE SUMMARY

MONTH: February 1994

Catawba Unit 2 began the month of February operating at 100% full power. On 02/21/94 at 2145 the unit began power decrease of 2.5% per hour to allow oil addition to '2B' reactor coolant pump. On 02/22/94 at 1446 decreasing condenser vacuum was observed at 56% power. The condenser vacuum recovered when additional steam was supplied to turbine steam seal. On 02/23/94 at 0545 the unit held at 15% power for '2B' reactor coolant pump oil addition and investigation/resolution of loss of vacuum during power decrease. The unit returned to 100% power on 02/25/94 at 0610. The unit operated at or near 100% full power for the remainder of the month.

Prepared by: R. A. Williams
Telephone: (704)-382-5346

MONTHLY REFUELING INFORMATION REQUEST

1. Facility name: Catawba, Unit 2
2. Scheduled next refueling shutdown: April 1994
3. Scheduled restart following refueling: June 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 licence 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: 356
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: March 15, 1994

Name of Contact: R. A. Williams

Phone: (704)-382-5346

CATAWBA NUCLEAR STATION

MONTHLY OPERATING STATUS REPORT

January 1994

1. Personnel Exposure -

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