

OPERATING DATA REPORT

DOCKET NO 50-413

DATE February 15, 1991

COMPLETED BY R.A. Williams

TELEPHONE 704-373-5987

OPERATING STATUS

1. Unit Name: Catawba 1
2. Reporting Period: January 1, 1991-January 31, 1991
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	744.0	744.0	49033.0
12. Number Of Hours Reactor Was Critical	576.5	576.5	36594.1
13. Reactor Reserve Shutdown Hours	--0--	--0--	--0--
14. Hours Generator On-Line	542.7	542.7	35707.6
15. Unit Reserve Shutdown Hours	--0--	--0--	--0--
16. Gross Thermal Energy Generated (MWH)	1625671	1625671	114927182
17. Gross Electrical Energy Generated (MWH)	577963	577963	40342447
18. Net Electrical Energy Generated (MWH)	536997	536997	37803226
19. Unit Service Factor	72.9	72.9	72.8
20. Unit Availability Factor	72.9	72.9	72.8
21. Unit Capacity Factor (Using MDC Net)	63.9	63.9	67.9
22. Unit Capacity Factor (Using DER Net)	63.0	63.0	67.3
23. Unit Forced Outage Rate	0.0	0.0	12.5

24. Shutdown Scheduled Over Next 6 Months (Type, Date, and Duration of Each):
Refueling - March 16, 1991 - 12 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 Cotamba 1
 DATE February 15, 1991
 COMPLETED BY R.A. Williams
 TELEPHONE 704-332-5987

MONTH January, 1991

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	1137	17	1135
2	1136	18	1136
3	1136	19	1151
4	576	20	1149
5	0	21	1149
6	0	22	1149
7	0	23	1148
8	0	24	1149
9	0	25	1150
10	0	26	1150
11	0	27	1147
12	0	28	1147
13	137	29	1144
14	363	30	778
15	882	31	531
16	1137		

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-413
 UNIT NAME CATAWBA 1
 DATE 02/15/91
 COMPLETED BY S. W. MOSER
 TELEPHONE (704)-373-5762

REPORT MONTH January 1991

N O .	DATE	(1)	DURATION HOURS	(2)	(3)	LICENSE EVENT REPORT NO.	(4)	(5)	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
		T Y P E		R E A S O N	MET- HOD OF SHUT DOWN R/X		SYS- TEM CODE	COMPONENT CODE	
1	91- 1- 4	S	25.88	A	1		HA	GENERA	GENERATOR GROUND DUE TO COPPER DEPOSITS ON STATOR COOLING LINES
2	91- 1- 5	S	176.73	A	--		SA	HTEXCH	OUTAGE CRITICAL PATH IS NOW ICE CONDENSER U-BOLT INSPECTION / REPLACEMENT
1-P	91- 1-13	S	--	B	--		IA	INSTRU	NUCLEAR INSTRUMENTATION CALIBRATION
2-P	91- 1-13	S	--	B	--		CH	HTEXCH	STEAM GENERATOR NOZZLE SWAP
3-P	91- 1-13	F	--	A	--		CH	HTEXCH	STEAM GENERATOR '1A' LOWER NOZZLE STUCK
4-P	91- 1-13	S	--	A	--		CH	HTEXCH	SECONDARY CHEMISTRY BORON SOAK
5-P	91- 1-14	S	--	B	--		CG	INSTRU	REACTOR COOLANT SYSTEM 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 Licensee 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 02/15/91
 COMPLETED BY S. W. MOSER
 TELEPHONE (704)-373-5762

REPORT MONTH January 1991

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
6-P	91- 1-14	F	--	A	--		CH	ZZZZZZ	DISSOLVED OXYGEN OUT OF SPEC FOR SECONDARY CHEMISTRY
7-P	91- 1-30	F	--	A	--		HH	INSTRU	RUNBACK DUE TO FEEDWATER PUMP '1A' TRIPPED ANNUNCIATOR
8-P	91- 1-30	F	--	A	--		HH	INSTRU	REMOVAL OF FEEDWATER PUMP '1A' FROM HEADER TO REPAIR HYDRAULIC OIL SWITCH
9-P	91- 1-31	F	--	H	--		RC	FUELXX	QUADRANT POWER TILT RATIO

(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: 2/15/91

NARRATIVE SUMMARY

MONTH: January 1991

Catawba Unit 1 began the month of January operating at 100% full power. The unit operated at or near 100% full power until 0900 on 01/04, when a reactor shutdown was commenced for investigation of a main generator ground fault. The unit was taken off-line at 1724 on 01/04. An ice condenser u-bolt inspection took place during this outage, and was critical path for a majority of the outage duration. The unit was placed on-line at 0243 on 01/13. During the subsequent power increase, the unit was held at 15% power from 0305 to 0700 on 01/13 for NIS adjustment and main feedwater nozzle swap. The unit was next held at 21% power from 0800 to 1335 on 01/13 due to a feedwater system valve (LCF33) failure. A hold at 30% power was commenced at 1500 on 01/13 for steam generator boron soak. A power increase was then begun at 0912 on 01/14. Power escalation was stopped at 48% power at 1400 on 01/14 for reactor coolant system leakage calculation. At 1958 on 01/14, a power decrease was commenced to restore "A" train power (recovery from zone "A" lockout incurred by main transformer "1A" malfunction). The reduction was halted at 40% power at 2100 on 01/14. A power increase was then begun at 2218 on 01/14. The unit reached 90% power at 1600 on 01/15, and was held there until 1800 on 01/15 for turbine control valve movement testing. The unit reached 100% full power at 0045 on 01/16, and operated at 100% full power until 0321 on 01/30. At this time, the unit had a turbine runback initiated by a spurious indication of "1A" feedwater pump turbine trip. The runback was halted at 72% power at 0330 on 01/30. A power reduction was begun at 0814 on 01/30 to remove feedwater pump "1A" from service. This reduction was stopped at 64% power at 1013 on 01/30. At 0541 on 01/31, a power reduction was commenced due to core quadrant power tilt ratio in excess of 2%. The reduction was stopped at 46% at 0700 on 01/31. The unit ended the month operating at 46% power.

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

MONTHLY REFUELING INFORMATION REQUEST

1. Facility name: Catawba, Unit 1
2. Scheduled next refueling shutdown: March 1991
3. Scheduled restart following refueling: June 1991
4. Will refueling or resumption of operation thereafter require a technical specification change or other license 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).

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.

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: February 15, 1991

Name of Contact: J. A. Reavis

Phone: 704-373-7567

OPERATING DATA REPORT

DOCKET NO 50-414

DATE February 15, 1991

COMPLETED BY R.A. Williams

TELEPHONE 704-373-5987

OPERATING STATUS

1. Unit Name: Catawba B
2. Reporting Period: January 1, 1991-January 31, 1991
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	744.0	744.0	39049.0
12. Number of Hours Reactor Was Critical	652.7	652.7	28250.7
13. Reactor Reserve Shutdown Hours	--0--	--0--	--0--
14. Hours Generator On-Line	640.2	640.2	27581.2
15. Unit Reserve Shutdown Hours	--0--	--0--	--0--
16. Gross Thermal Energy Generated (MWH)	2085309	2085309	85416955
17. Gross Electrical Energy Generated (MWH)	741524	741524	30204949
18. Net Electrical Energy Generated (MWH)	698965	698965	28281578
19. Unit Service Factor	86.1	86.1	70.6
20. Unit Availability Factor	86.1	86.1	70.6
21. Unit Capacity Factor (Using MDC Net)	83.2	83.2	63.9
22. Unit Capacity Factor (Using DER Net)	82.1	82.1	63.3
23. Unit Forced Outage Rate	0.0	0.0	14.3
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 February 15, 1991
 COMPLETED BY R.A. Williams
 TELEPHONE 704-873-5987

MONTH January, 1991

<u>DAY</u>	<u>AVERAGE DAILY POWER LEVEL (MWe-Net)</u>	<u>DAY</u>	<u>AVERAGE DAILY POWER LEVEL (MWe-Net)</u>
1	<u>1134</u>	17	<u>1137</u>
2	<u>1132</u>	18	<u>1137</u>
3	<u>1133</u>	19	<u>1139</u>
4	<u>1130</u>	20	<u>1138</u>
5	<u>352</u>	21	<u>1138</u>
6	<u>0</u>	22	<u>1141</u>
7	<u>0</u>	23	<u>1140</u>
8	<u>0</u>	24	<u>1141</u>
9	<u>0</u>	25	<u>1141</u>
10	<u>569</u>	26	<u>1120</u>
11	<u>1131</u>	27	<u>1109</u>
12	<u>1140</u>	28	<u>1134</u>
13	<u>1141</u>	29	<u>1134</u>
14	<u>1141</u>	30	<u>1117</u>
15	<u>1141</u>	31	<u>1132</u>
16	<u>1135</u>		

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH January 1991

DOCKET NO. 50-414
 UNIT NAME CATAWBA 2
 DATE 02/15/91
 COMPLETED BY S. W. MOSER
 TELEPHONE (704)-373-5762

N O .	DATE	(1)	DURATION HOURS	(2)	(3)	LICENSE EVENT REPORT NO.	(4)	(5)	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
		T Y P E		R E A S O N	M E T H O D O F S H U T D O W N R /X		S Y S T E M C O D E	C O M P O N E N T C O D E	
1-P	91- 1- 5	S	--	B	--		RB	CONROD	ROD CONTROL MOVEMENT TESTING
2-P	91- 1- 5	S	--	A	--		SA	HTEXCH	HOLDING AT 15% TO TAKE UNIT OFF-LINE FOR ICE CONDENSER U-BOLT INSPECTION
1	91- 1- 5	S	103.80	A	1		SA	HYEXCH	ICE CONDENSER U-BOLT INSPECTION DUE TO NRC COMMITMENT
3-P	91- 1- 9	S	--	B	--		IA	INSTRU	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
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 Entry Sheets For Licensee
 Event Report (LER)
 File (NUREG-0161)

(5)
 Exhibit I - Same Source

DOCKET NO: 50-414

UNIT: Catawba 2

DATE: 2/15/91

NARRATIVE SUMMARY

MONTH: January 1991

Catawba Unit 2 began the month of January operating at 98% power, limited due to steam generator "D" feedwater preheater max flow. The unit operated at or near 98% power until 0015 on 01/05, when a reactor shutdown was commenced due to ice condenser u-bolt inspection. During the reduction, the unit was held at 95% power from 0100 to 0127 on 01/05 for control rod movement testing, and at 15% power from 1126 to 1341 on 01/05 in preparation for taking the generator off-line. The unit was taken off-line at 1341 on 01/05. At 2129 on 01/09, the unit was placed on-line, and a nuclear instrumentation calibration was performed. A power increase was commenced at 0125 on 01/10, and the unit reached 99% power at 0411 on 01/11. The unit operated at or near 99% 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 2
2. Scheduled next refueling shutdown: October 1991
3. Scheduled restart following refueling: December 1991
4. Will refueling or resumption of operation thereafter require a technical specification change or other license 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).

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.

7. Number of fuel assemblies (a) in the core: 193
(b) in the spent fuel pool: 204
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: February 15, 1991

Name of Contact: J. A. Reavis

Phone: 704-373-7567