

OPERATING DATA REPORT

DOCKET NO. 50-413
 DATE July 14, 1989
 COMPLETED BY R.A. Williams
 TELEPHONE 704-373-5987

OPERATING STATUS

1. Unit Name: Catawba 1
2. Reporting Period: June 1, 1989-June 30, 1989
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): 1 3
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	720.0	4343.0	35112.0
12. Number Of Hours Reactor Was Critical	626.5	3308.9	25492.8
13. Reactor Reserve Shutdown Hours	--0--	--0--	--0--
14. Hours Generator On-Line	602.8	3134.4	24738.5
15. Unit Reserve Shutdown Hours	--0--	--0--	--0--
16. Gross Thermal Energy Generated (MKWH)	1925992	10113475	79051861
17. Gross Electrical Energy Generated (MWH)	682664	3541325	27735976
18. Net Electrical Energy Generated (MWH)	639515	3311260	25946782
19. Unit Service Factor	83.7	72.2	70.5
20. Unit Availability Factor	83.7	72.2	70.5
21. Unit Capacity Factor (Using MDC Net)	78.7	67.5	64.9
22. Unit Capacity Factor (Using DER Net)	77.6	66.6	64.5
23. Unit Forced Outage Rate	3.7	7.0	14.6
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 July 14, 1989
COMPLETED BY R.A. Williams
TELEPHONE 704-373-5987

MONTH June, 1989

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

1	<u>1121</u>
2	<u>1122</u>
3	<u>1124</u>
4	<u>1123</u>
5	<u>1122</u>
6	<u>1117</u>
7	<u>1120</u>
8	<u>1116</u>
9	<u>1113</u>
10	<u>1120</u>
11	<u>1127</u>
12	<u>1121</u>
13	<u>1118</u>
14	<u>1120</u>
15	<u>1071</u>
16	<u>0</u>

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

17	<u>0</u>
18	<u>0</u>
19	<u>0</u>
20	<u>586</u>
21	<u>1090</u>
22	<u>1122</u>
23	<u>1117</u>
24	<u>1118</u>
25	<u>1117</u>
26	<u>307</u>
27	<u>309</u>
28	<u>1063</u>
29	<u>1112</u>
30	<u>1123</u>

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-413

UNIT NAME CATAWBA 1

DATE 07/14/89

COMPLETED BY J. L. MILLS

TELEPHONE (704)-373-5762

REPORT MONTH June 1989

	(1) DATE	(2) DURATION HOURS	(3) REASON	(4) TYPE OF SHUT DOWN R/X	(5) LICENSE EVENT REPORT NO.	(6) SYS- TEM CODE	(7) COMPONENT CODE	(8) CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
21-P	89- 6-15	--	A	--		CB	PUMPXX	REDUCTION DUE TO REACTOR COOLANT PUMP '1D' OIL COOLER LEAKAGE
8	89- 6-16	94.00	B	1		CB	PUMPXX	UNIT SHUTDOWN DUE TO REACTOR COOLANT PUMP '1D' OIL COOLER LEAKAGE REPAIR
22-P	89- 6-20	--	A	--		HH	VALVEX	HOLDING POWER DUE TO STEAM GENERATORS 'C' AND 'D' MAIN FEEDWATER REGULATING VALVE
23-P	89- 6-21	--	F	--		ZZ	ZZZZZZ	POWER REDUCTION PER DISPATCHERS' REQUEST
9	89- 6-26	23.22	A	2		HH	HTEXCH	MANUAL REACTOR TRIP DUE TO LOSS OF FEEDWATER FLOW TO STEAM GENERATOR '1A'

(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 License
 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 07/14/89

COMPLETED BY J. L. MILLS

TELEPHONE (704)-373-5762

REPORT MONTH June 1989

N O .	DATE	(1) T Y P E	DURATION HOURS	(2) R E A S O N	(3) M E T H O D O F S H U T D O W N R / X	L I C E N S E E V E N T R E P O R T N O. .	(4) S Y S - T E M C O D E	(5) C O M P O N E N T C O D E	C A U S E A N D C O R R E C T I V E A C T I O N T O P R E V E N T R E C U R R E N C E
24-P	89- 6-27	S	--	B	--		IE	INSTRU	HOLDING POWER FOR 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 - Instruction
for Preparation of Data
Entry Sheets For Licens
Event Report (LER)
File (NUREG-0161)

(5)

Exhibit I - Same Source

DOCKET NO: 50-413
UNIT: Catawba 1
DATE: 07/14/89

NARRATIVE SUMMARY

Month: June 1989

Catawba Unit 1 began the month of June at 100% full power. The unit operated without any significant reductions until 6/15 at 1945 when the unit commenced a power decrease to remove the unit from service for a maintenance outage. The unit was removed from service on 6/16 at 0304 to repair the "D" Reactor Coolant Pump Oil Cooler. The unit returned to service on 6/20 at 0104 and commenced power increase with a slight delay at 20% to resolve problems with "C" and "D" Main Feedwater Regulating valves. The unit reached 100% full power at 2250 on 6/20. On 6/21 at 0120 the unit was reduced to 83% power per the Dispatcher until 0317 when the unit began power increase to 100%, which was reached at 0415 the same day. The unit was manually tripped on 6/26 at 0718 due to "A" Main Feedwater Regulating valve spuriously closing from air leakage at the valve's positioner. The unit returned to service on 6/27 at 0631 and increased power to 100% after several holds to calibrate Nuclear Instrumentation. The unit remained at or near 100% full power for the remainder of the month.

Prepared by: S. C. Ballard
Telephone: 704-373-8559

MONTHLY REFUELING INFORMATION REQUEST

1. Facility name: Catawba, Unit 1
2. Scheduled next refueling shutdown: January 1990
3. Scheduled restart following refueling: March 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: 196
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: July 14, 1989

Name of Contact: J. A. Reavis

Phone: 704-373-7567

OPERATING DATA REPORT

DOCKET NO 50-414
 DATE July 14, 1989
 COMPLETED BY R.A. Williams
 TELEPHONE 704-373-5987

OPERATING STATUS

1. Unit Name: Catawba 2
2. Reporting Period: June 1, 1989-June 30, 1989
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	720.0	4343.0	25128.0
12. Number Of Hours Reactor Was Critical	505.2	2031.1	17133.5
13. Reactor Reserve Shutdown Hours	--0--	--0--	--0--
14. Hours Generator On-Line	413.2	1910.3	16561.0
15. Unit Reserve Shutdown Hours	--0--	--0--	--0--
16. Gross Thermal Energy Generated (MWH)	1189484	5802860	50367085
17. Gross Electrical Energy Generated (MWH)	406626	2058717	17746838
18. Net Electrical Energy Generated (MWH)	369091	1902270	16539102
19. Unit Service Factor	57.4	44.0	65.9
20. Unit Availability Factor	57.4	44.0	65.9
21. Unit Capacity Factor (Using MDC Net)	45.4	38.8	57.9
22. Unit Capacity Factor (Using DER Net)	44.8	38.3	57.5
23. Unit Forced Outage Rate	18.1	11.2	21.3
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 July 14, 1989
 COMPLETED BY R.A. Williams
 TELEPHONE 704-373-5987

MONTH June, 1989

<u>DAY</u>	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>0</u>
2	<u>0</u>
3	<u>0</u>
4	<u>0</u>
5	<u>0</u>
6	<u>0</u>
7	<u>0</u>
8	<u>0</u>
9	<u>0</u>
10	<u>15</u>
11	<u>308</u>
12	<u>608</u>
13	<u>890</u>
14	<u>1004</u>
15	<u>1131</u>
16	<u>1134</u>

<u>DAY</u>	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	<u>1140</u>
18	<u>1143</u>
19	<u>1139</u>
20	<u>1133</u>
21	<u>1119</u>
22	<u>1078</u>
23	<u>28</u>
24	<u>0</u>
25	<u>0</u>
26	<u>0</u>
27	<u>610</u>
28	<u>1105</u>
29	<u>1133</u>
30	<u>1141</u>

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-414

UNIT NAME CATAWBA 2

DATE 07/14/89

COMPLETED BY J. L. MILLS

TELEPHONE (704)-373-5762

REPORT MONTH June 1989

N O .	DATE	T Y P E	DURATION HOURS	(2) R E A S O N	(3) M E T H O D O F S H U T D O W N R / X	L I C E N S E E V E N T R E P O R T N O.	(4) S Y S - T E M C O D E	(5) C O M P O N E N T C O D E	C A U S E A N D C O R R E C T I V E A C T I O N T O P R E V E N T R E C U R R E N C E
7	89- 6- 1	S	196.15	C	1		RC	FUELXX	END OF CYCLE 2 REFUELING OUTAGE OVERRUN
8	89- 6- 9	S	17.88	B	--		HA	TURBIN	TURBINE GENERATOR TRIP DUE TO OVERSPEED TESTING OF MAIN TURBINE
9	89- 6-10	S	1.33	B	--		HA	TURBIN	TURBINE GENERATOR TRIP DUE TO OVERSPEED TESTING OF MAIN TURBINE
8-P	89- 6-11	F	--	A	--		HH	TURBIN	HOLDING POWER DUE TO INABILITY TO RESET '2A' FEEDWATER PUMP TURBINE
9-P	89- 6-11	S	--	B	--		HH	HTEXCH	POWER REDUCTION FOR LOAD REDUCTION TESTING FOR STEAM GENERATOR LEVEL MOD
10-P	89- 6-12	F	--	A	--		HH	TURBIN	HOLDING POWER FOR RESET OF '2A' FEEDWATER PUMP TURBINE

(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 License

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 07/14/89

COMPLETED BY J. L. MILLS

TELEPHONE (704)-373-5762

REPORT MONTH June 1989

N O .	DATE	(1) T Y P E	(2) D U R A T I O N H O U R S	(3) R E A S O N M E T H O D O F S H U T D O W N R / X	(4) L I C E N S E E V E N T R E P O R T N O.	(5) S Y S - T E M C O D E	(6) C O M P O N E N T C O D E	(7) C A U S E A N D C O R R E C T I V E A C T I O N T O P R E V E N T R E C U R R E N C E
11-P	89- 6-13	S	--	B	--	IE	XXXXXX	HOLDING POWER FOR FLUX MAPPING
12-P	89- 6-22	F	--	A	--	HB	VALVEX	REDUCTION DUE TO S/G '2C' CONTAINMENT ISOLATION CHECK VALVE ORIFICE CAVITATION
10	89- 6-23	F	91.42	B	1	HB	VALVEX	UNIT SHUTDOWN FOR S/G 2C AND 2D ORIFICE REPLACEMENT AND CHECK VALVE INSPECTION

(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)

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 for Preparation of Data
 Entry Sheets For License
 Event Report (LER)
 File (NUREG-0161)

(5)

Exhibit I - Same Source

DOCKET NO: 50-414

UNIT: Catawba 2

DATE: 07/14/89

NARRATIVE SUMMARY

Month: June 1989

Catawba Unit 2 began the month out of service for its End of Cycle 2 Refueling Outage. The unit returned to service on 6/09 at 0409. At 1548 on 6/09, the Main Turbine was tripped for the Overspeed Trip Test. The unit returned to service on 6/10 at 0921. At 1548 on 6/10 another Main Turbine Overspeed Trip Test was performed with the unit returning to service at 1708. The unit increased to 30% power and was held from 0340 to 0851 on 6/11 due to the inability to reset the "1A" Main Feedwater Pump Turbine. From 1549 to 1800 on 6/11, the unit was held at 39% power to perform Load Reduction Testing to test a Steam Generator Level Modification. From 0615 to 1750 on 6/12, the unit was held to 58% power to reset the "2A" Main Feedwater Pump Turbine. From 0300 to 0420 on 6/13, the unit was held at 79% power to perform Flux Mapping. The unit reached 100% full power on 6/15 at 0348 after several other power holds. On 6/22 at 0500, power was reduced to 95% for Feedwater Flow Data collection to investigate cavitation. The unit returned to 100% full power at 1000 on 6/22. The unit was shutdown on 6/23 at 0437 to replace Steam Generator "2C" and "2D" orifices and to perform check valve inspection. The unit was returned to service at 0002 on 6/27. The unit reached 100% full power at 2359 on 6/30.

Prepared by: S. C. Ballard

Telephone: 704-373-8559

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: January, 2013

DUKE POWER COMPANY

DATE: July 14, 1989

Name of Contact: J. A. Reavis

Phone: 704-373-7567