

OPERATING DATA REPORT

DOCKET NO 50-413

DATE October 15, 1990

COMPLETED BY R.A. Williams

TELEPHONE 704-373-5987

OPERATING STATUS

1. Unit Name: Catawba 1
2. Reporting Period: September 1, 1990-September 30, 1990
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	6551.0	46080.0
12. Number Of Hours Reactor Was Critical	720.0	4209.0	33877.8
13. Reactor Reserve Shutdown Hours	--0--	--0--	--0--
14. Hours Generator On-Line	720.0	4149.5	33035.5
15. Unit Reserve Shutdown Hours	--0--	--0--	--0--
16. Gross Thermal Energy Generated (MWH)	2411753	13734612	106267717
17. Gross Electrical Energy Generated (MWH)	844360	4807737	37260558
18. Net Electrical Energy Generated (MWH)	800307	4500373	34896751
19. Unit Service Factor	100.0	63.3	71.7
20. Unit Availability Factor	100.0	63.3	71.7
21. Unit Capacity Factor (Using MDC Net)	98.5	60.9	66.6
22. Unit Capacity Factor (Using DER Net)	97.1	60.0	66.1
23. Unit Forced Outage Rate	0.0	11.6	13.2
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	_____	_____

9010240150 901015
 PDR ADOCK 05000413
 R PDC

OPERATING DATA REPORT

DOCKET NO 50-413
 UNIT Catamba I
 DATE October 15, 1990
 COMPLETED BY R.A. Williams
 TELEPHONE 704-373-5987

MONTH September, 1990

<u>DAY</u>	<u>AVERAGE DAILY POWER LEVEL (MWe-Net)</u>	<u>DAY</u>	<u>AVERAGE DAILY POWER LEVEL (MWe-Net)</u>
1	<u>1104</u>	17	<u>1123</u>
2	<u>1024</u>	18	<u>1124</u>
3	<u>1102</u>	19	<u>1119</u>
4	<u>1113</u>	20	<u>1112</u>
5	<u>1113</u>	21	<u>1113</u>
6	<u>1108</u>	22	<u>1121</u>
7	<u>1104</u>	23	<u>1127</u>
8	<u>1104</u>	24	<u>1131</u>
9	<u>1105</u>	25	<u>1127</u>
10	<u>1106</u>	26	<u>1133</u>
11	<u>1109</u>	27	<u>1131</u>
12	<u>1108</u>	28	<u>1128</u>
13	<u>1109</u>	29	<u>1127</u>
14	<u>1111</u>	30	<u>1080</u>
15	<u>1115</u>		
16	<u>1117</u>		

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH September 1990

DOCKET NO. 50-413
 UNIT NAME CATAWBA 1
 DATE 10/15/90
 COMPLETED BY S. W. MOSER
 TELEPHONE (704)-373-5762

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
S-P	90- 9- 2	S	--	B	--		HF	BLOWER	RETURNING COOLING TOWER FAN INTERLOCK BACK TO NORMAL FOR UNIT 2 RETURN TO POWER

(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: 10/15/90

NARRATIVE SUMMARY

MONTH: September 1990

Catawba Unit 1 began the month of September operating at 100% full power. The unit operated at 100% full power until 0300 on 09/02, when a power reduction was commenced to return the cooling tower fan interlock to normal in preparation for unit 2 returning on-line. The unit was held at 75% power from 0830 to 0852 on 09/02. During the subsequent power increase, the unit was held at 90% power from 1436 to 1720 on 09/02 to replace the flow transmitter on steam generator "A". The unit reached 100% full power at 1945 on 09/02, and operated at or near 100% full 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 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? 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: 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: October 15, 1990

Name of Contact: J. A. Reavis

Phone: 704-373-7567

OPERATING DATA REPORT

DOCKET NO 50-414
 DATE October 15, 1990
 COMPLETED BY R.A. Williams
 TELEPHONE 704-373-5987

OPERATING STATUS

1. Unit Name: Catawba 2
2. Reporting Period: September 1, 1990-September 30, 1990
3. Licensed Thermal Power (MMt): 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	6551.0	36096.0
12. Number Of Hours Reactor Was Critical	83.3	3872.7	25423.2
13. Reactor Reserve Shutdown Hours	--0--	--0--	--0--
14. Hours Generator On-Line	42.0	3813.3	24768.2
15. Unit Reserve Shutdown Hours	--0--	--0--	--0--
16. Gross Thermal Energy Generated (MWH)	38	12157107	76269707
17. Gross Electrical Energy Generated (MWH)	8146	4336357	26952523
18. Net Electrical Energy Generated (MWH)	-16733	4058666	25203692
19. Unit Service Factor	5.8	58.2	68.6
20. Unit Availability Factor	5.8	58.2	68.6
21. Unit Capacity Factor (Using MDC Net)	0.0	54.9	61.6
22. Unit Capacity Factor (Using DER Net)	0.0	54.1	61.0
23. Unit Forced Outage Rate	0.0	1.5	15.6
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 50-414
 UNIT Catawba E
 DATE October 15, 1990
 COMPLETED BY R.A. Williams
 TELEPHONE 704-373-5987

MONTH September, 1990

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY FOWER 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	29
14	0	30	217
15	0		
16	0		

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-414
 UNIT NAME CATAWBA 2
 DATE 10/15/90
 COMPLETED BY S. W. MOSER
 TELEPHONE (704)-373-5762

REPORT MONTH September 1990

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
9	90- 9- 1	S	96.00	A	--		IA	CRDRVE	SCHEDULED OUTAGE EXTENSION DUE TO CONTROL ROD DRIVE MECHANISM PROBLEMS
10	90- 9- 4	S	24.00	A	--		CA	VESSEL	SCHEDULED OUTAGE EXTENSION TO CLEAN REACTOR VESSEL FLANGE
11	90- 9- 5	S	24.00	A	--		CA	VALVEX	SCHEDULED OUTAGE EXTENSION DUE TO REACTOR VESSEL HEAD VENT VALVES NOT OPENING DURING REACTOR COOLANT SYSTEM FILL AND VENT
12	90- 9- 6	S	72.00	B	--		ZZ	ZZZZZZ	SCHEDULED OUTAGE EXTENSION DUE TO PERFORMANCE TESTING
13	90- 9- 9	S	48.00	A	--		CF	PUMPXX	SCHEDULED OUTAGE EXTENSION DUE TO RESIDUAL HEAT REMOVAL SYSTEM PUMP VIBRATION

(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 10/15/90
 COMPLETED BY S. W. MOSER
 TELEPHONE (704)-373-5762

REPORT MONTH September 1990

NO.	DATE	(1) TYPE	DURATION HOURS	(2) REASON	(3) METHOD OF SHUT DOWN R/X	LICENSE EVENT REPORT NO.	(4) SYSTEM CODE	(5) COMPONENT CODE	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
14	90- 9-11	S	48.00	A	--		CF	VALVEX	SCHEDULED OUTAGE EXTENSION DUE TO RESIDUAL HEAT REMOVAL SYSTEM VALVE ACTUATOR REMOVAL AND REPAIR
15	90- 9-13	S	72.00	A	--		CA	VESSEL	SCHEDULED OUTAGE EXTENSION DUE TO CONOSEAL REPAIR
16	90- 9-16	S	288.22	A	--		CA	VESSEL	SCHEDULED OUTAGE EXTENSION DUE TO CONOSEAL REPAIR AT COLD SHUTDOWN
17	90- 9-29	S	5.77	B	1		HA	TURBIN	TURBINE OVERSPEED TRIP TEST
6-P	90- 9-29	F	--	A	--		IE	INSTRU	INCORE INSTRUMENTATION REPAIRS
7-P	90- 9-30	S	--	B	--		RC	ZZZZZZ	CORE FLUX MAPPING
8-P	90- 9-30	S	--	B	--		HG	ZZZZZZ	HYDRAZINE INJECTION INTO FEEDWATER SYSTEM

(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)
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(5)
 Exhibit I - Same Source

DOCKET NO: 50-414

UNIT: Catawba 2

DATE: 10/15/90

NARRATIVE SUMMARY

MONTH: September 1990

Catawba Unit 2 began the month of September shut down for its end-of-cycle "3" refueling outage. The unit remained shutdown until 0013 on 09/29, when the unit was placed on-line in preparation for its turbine overspeed trip test. At 0507 on 09/29, the generator was taken off-line for the test. The unit was returned on-line at 1053 on 09/29 to end its end-of-cycle "3" refueling outage. The outage extended 44 days past its scheduled length of 68 days. During the subsequent power increase, the unit was held at 12% power from 1344 on 09/29 to 0120 on 09/30 for incore nuclear instrumentation repairs. The unit was next held at 20% power from 1200 to 1654 on 09/30 for core flux mapping. A hold at 25% power was conducted at 2050 on 09/30 for hydrazine injection for feedwater chemistry. The month ended with the unit at 25% power.

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

MONTHLY REFUELING INFORMATION REQUEST

1. Facility name: Catawba, Unit 2
2. Scheduled next refueling shutdown: September 1991
3. Scheduled restart following refueling: November 1991
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: 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: October 15, 1990

Name of Contact: J. A. Reavis

Phone: 704-373-7567