



Duke Power Company
A Duke Energy Company
Energy Center
P.O. Box 1006
Charlotte, NC 28201-1006

August 15, 1997

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

Subject: McGuire Nuclear Station
Docket No. 50-369 and -370

Dear Sir:

Please find attached information concerning the performance and operation status of the McGuire Nuclear Station for the month of July, 1997.

Any questions or comments may be directed to Roger A. Williams at (704) 382-5346.

Sincerely,

Terry Dimmery, Manager
Nuclear Business Support

Attachment

L. A. Reyes, Regional Administrator
USNRC, Region II

V. Nerses, Project Manager
USNRC, ONRR

INPO Records Center

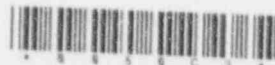
Ms. Margaret Aucoin
Nuclear Assurance Corporation

Dottie Sherman, ANI Library
American Nuclear Insurers

Scott Schaeffer, Senior Resident Inspector

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Document Control Desk
U.S. NRC - McGuire

bxc:

J. M. Davis (ON01VP)
K. S. Canady (EC08H)
T. E. Mooney (EC090)
B. J. Horsley (EC12T)
T. E. Hunter (ON0102)
C. N. Green (MG01OP)
B. W. Walsh (EC11C)
Jeanette Meares (CN02OP)
G. A. Copp (EC05O)
D. R. Groux (ON01VP)
B. T. Faulkenberry (EC07C)
M. J. Johnson (PB02L)
D. A. Harton (EC05P)
D. E. Bortz (EC08G)
Lyn Davis (MG01CP)
M. T. Cash (MG01RC)
J. J. Fisicaro (EC07Q)

OPERATING DATA REPORT

DOCKET NO 50-369
 DATE August 15, 1997
 COMPLETED BY R.A. Williams
 TELEPHONE 704-382-5346

OPERATING STATUS

1. Unit Name: McGuire 1
2. Reporting Period: July 1, 1997-July 31, 1997
3. Licensed Thermal Power (MWt): 3411
4. Nameplate Rating (Gross MWe): 1305*
5. Design Electrical Rating (Net MWe): 1180
6. Maximum Dependable Capacity (Gross MWe): 1171
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	5087.0	137327.0
12. Number Of Hours Reactor Was Critical	744.0	2863.5	99255.4
13. Reactor Reserve Shutdown Hours	--0--	--0--	--0--
14. Hours Generator On-Line	744.0	2747.8	98139.3
15. Unit Reserve Shutdown Hours	--0--	--0--	--0--
16. Gross Thermal Energy Generated (MWH)	2496031	8865681	309685743
17. Gross Electrical Energy Generated (MWH)	850207	3044247	106334366
18. Net Electrical Energy Generated (MWH)	818070	2901201	101627057
19. Unit Service Factor	100.0	54.0	71.5
20. Unit Availability Factor	100.0	54.0	71.5
21. Unit Capacity Factor (Using MDC Net)	97.4	50.5	64.6
22. Unit Capacity Factor (Using DER Net)	93.2	48.3	62.7
23. Unit Forced Outage Rate	0.0	2.2	12.6
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 50-369
 UNIT McGuire 1
 DATE August 15, 1997
 COMPLETED BY R.A. Williams
 TELEPHONE 704-362-5346

MONTH July, 1997

<u>DAY</u>	<u>AVERAGE DAILY POWER LEVEL (MWe-Net)</u>	<u>DAY</u>	<u>AVERAGE DAILY POWER LEVEL (MWe-Net)</u>
1	<u>758</u>	17	<u>1121</u>
2	<u>924</u>	18	<u>1122</u>
3	<u>1133</u>	19	<u>1121</u>
4	<u>1119</u>	20	<u>1117</u>
5	<u>1120</u>	21	<u>1116</u>
6	<u>1118</u>	22	<u>1121</u>
7	<u>1121</u>	23	<u>1118</u>
8	<u>1122</u>	24	<u>1116</u>
9	<u>1127</u>	25	<u>1117</u>
10	<u>1116</u>	26	<u>1118</u>
11	<u>1092</u>	27	<u>1117</u>
12	<u>1104</u>	28	<u>1115</u>
13	<u>1122</u>	29	<u>1112</u>
14	<u>1119</u>	30	<u>1109</u>
15	<u>1121</u>	31	<u>1112</u>
16	<u>1118</u>		

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH July 1997

DOCKET NO. 50-369
 UNIT NAME MCGUIRE I
 DATE 08/15/97
 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
7-P	97- 7- 1	F	--	A	--		HB	TURBIN	LEAK ON TURBINE IMPULSE LINE DUE TO BROKEN WELD
8-P	97- 7- 1	F	--	A	--		HB	TURBIN	HOLDING AT 20% POWER TO REPAIR LEAK ON TURBINE IMPULSE LINE

(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

MONTHLY REFUELING INFORMATION REQUEST

1. Facility name: McGuire Unit 1
2. Scheduled next refueling shutdown: June 1998
3. Scheduled restart following refueling: July 1998

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 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).
7. Number of Fuel assemblies (a) in the core: 193
(b) in the spent fuel pool: 791
8. Present licensed fuel pool capacity: 1463
Size of requested or planned increase: ---
9. Projected date of last refueling which can be accommodated by present license capacity:
November 2005

DUKE POWER COMPANY

DATE: August 15, 1997

Name of Contact: R. A. Williams

Phone: (704) - 382-5346

DOCKET: 50 - 369

UNIT: McGuire 1

Date: 08/15/97

NARRATIVE SUMMARY

MONTH: July, 1997

McGuire Unit 1 began the month of July operating at 100% full power. On 07/01/97 at 1243 the unit began decreasing power and held at 54% power from 1453 to 1556 to attempt repair of leak on turbine impulse line due to a broken weld. The unit continued decreasing power and held at 20% power from 1747 to 2349 to repair leak on turbine impulse line. The unit returned to 100% full power on 07/02/97 at 1445 and operated at or near 100% full power the remainder of the month.

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

OPERATING DATA REPORT

DOCKET NO 50-370

DATE August 15, 1997

COMPLETED BY R.A. Williams

TELEPHONE 704-382-5346

OPERATING STATUS

1. Unit Name: McGuire 2
2. Reporting Period: July 1, 1997-July 31, 1997
3. Licensed Thermal Power (MWt): 3411
4. Nameplate Rating (Gross MWe): 13054
5. Design Electrical Rating (Net MWe): 1180
6. Maximum Dependable Capacity (Gross MWc): 1171
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	5087.0	117623.0
12. Number Of Hours Reactor Was Critical	505.0	4498.0	92840.6
13. Reactor Reserve Shutdown Hours	--0--	--0--	--0--
14. Hours Generator On-Line	472.1	4459.3	91735.3
15. Unit Reserve Shutdown hours	--0--	--0--	--0--
16. Gross Thermal Energy Generated (MWh)	1562319	14471517	301574427
17. Gross Electrical Energy Generated (MWh)	531276	5023039	105096074
18. Net Electrical Energy Generated (MWh)	505901	4819528	100787773
19. Unit Service Factor	63.5	87.7	78.0
20. Unit Availability Factor	63.5	87.7	78.0
21. Unit Capacity Factor (Using MDC Net)	60.2	83.9	75.2
22. Unit Capacity Factor (Using DER Net)	57.6	80.3	72.6
23. Unit Forced Outage Rate	36.5	12.3	7.5

24. Shutdown Scheduled Over Next 6 Months (Type, Date, and Duration of Each):
Refueling and Steam Generator Replacement - October 02, 1997 - 90 days

25. If Shut Down At End Of Report Period, Estimated Date of Startup: _____

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

	Forecast	Achieved
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INITIAL CRITICALITY	_____	_____
INITIAL ELECTRICITY	_____	_____
COMMERCIAL OPERATION	_____	_____

OPERATING DATA REPORT

DOCKET NO 50-370
 UNIT McGuire 2
 DATE August 15, 1997
 COMPLETED BY R.A. Williams
 TELEPHONE 704-382-5346

MONTH July, 1997

<u>DAY</u>	<u>AVERAGE DAILY POWER LEVEL (MWe-Net)</u>	<u>DAY</u>	<u>AVERAGE DAILY POWER LEVEL (MWe-Net)</u>
1	<u>1110</u>	17	<u>0</u>
2	<u>1111</u>	18	<u>0</u>
3	<u>1112</u>	19	<u>0</u>
4	<u>1110</u>	20	<u>0</u>
5	<u>1108</u>	21	<u>0</u>
6	<u>1106</u>	22	<u>111</u>
7	<u>1107</u>	23	<u>1024</u>
8	<u>1111</u>	24	<u>1096</u>
9	<u>1121</u>	25	<u>1098</u>
10	<u>1115</u>	26	<u>1101</u>
11	<u>217</u>	27	<u>1101</u>
12	<u>0</u>	28	<u>1098</u>
13	<u>0</u>	29	<u>1097</u>
14	<u>0</u>	30	<u>1091</u>
15	<u>0</u>	31	<u>1093</u>
16	<u>0</u>		

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH July 1997

DOCKET NO. 50-370
 UNIT NAME MCGUIRE 2
 DATE 08/15/97
 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	97- 7-11	F	271.88	A	3		CB	PUMPXX	REACTOR/TURBINE TRIP DUE TO "D" REACTOR COOLANT PUMP TRIP

(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

MONTHLY REFUELING INFORMATION REQUEST

1. Facility name: McGuire, Unit 2
2. Scheduled next refueling shutdown: October 1997
3. Scheduled restart following refueling: December 1997

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 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).
7. Number of Fuel assemblies (a) in the core: 193
(b) in the spent fuel pool: 969
8. Present licensed fuel pool capacity: 1463
Size of requested or planned increase: ---
9. Projected date of last refueling which can be accommodated by present license capacity:
June 2003

DUKE POWER COMPANY

DATE: August 15, 1997

Name of Contact: R. A. Williams

Phone: (704) - 382-5346

DOCKET: 50 - 370

UNIT: McGuire 2

Date: 08/15/97

NARRATIVE SUMMARY

MONTH: July, 1997

McGuire Unit 2 began the month of July operating at 98% full power due to #4 turbine governor valve reaching administrative limit of 60% open. The unit returned to 100% full power on 07/08/97 at 2300 and operated at or near 100% full power until 07/11/97 at 0517 when the unit experienced a reactor/turbine trip due to "D" reactor coolant pump trip. The unit was placed on-line 07/22/97 at 1310. The unit increased power and held at approximately 99% power from 07/23/97 at 1115 to 07/31/97 at 2400 due to #4 turbine governor valve reaching administrative limit of 60% open. The unit ended the month operating at approximately 99% full power.

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

McGUIRE NUCLEAR STATION

MONTHLY OPERATING STATUS REPORT

June 1997

1. Personnel Exposure -

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