

# OPERATING DATA REPORT

DOCKET NO 50-369  
 DATE November 15, 1990  
 COMPLETED BY B.A. Williams  
 TELEPHONE 704-373-5987

## OPERATING STATUS

1. Unit Name: McGuire 1
2. Reporting Period: October 1, 1990-October 31, 1990
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	745.0	7296.0	78168.0
12. Number Of Hours Reactor Was Critical	330.2	3685.3	54543.4
13. Reactor Reserve Shutdown Hours	--0--	--0--	--0--
14. Hours Generator On-Line	325.8	3608.6	53907.5
15. Unit Reserve Shutdown Hours	--0--	--0--	--0--
16. Gross Thermal Energy Generated (MWH)	1063172	11170240	162570973
17. Gross Electrical Energy Generated (MWH)	360861	3717533	55945210
18. Net Electrical Energy Generated (MWH)	335663	3515965	53402348
19. Unit Service Factor	43.7	49.5	69.0
20. Unit Availability Factor	43.7	49.5	69.0
21. Unit Capacity Factor (Using MDC Net)	39.9	42.7	59.0
22. Unit Capacity Factor (Using DER Net)	38.2	40.8	57.9
23. Unit Forced Outage Rate	56.3	15.9	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: November 14, 1990

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 November 15, 1990  
COMPLETED BY R.A. Williams  
TELEPHONE 704-373-5987

MONTH October, 1990

DAY	AVERAGE DAILY POWER LEVEL (MW-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>1095</u>	17	<u>0</u>
2	<u>1095</u>	18	<u>0</u>
3	<u>1101</u>	19	<u>0</u>
4	<u>1108</u>	20	<u>0</u>
5	<u>1108</u>	21	<u>0</u>
6	<u>1109</u>	22	<u>0</u>
7	<u>1109</u>	23	<u>0</u>
8	<u>1109</u>	24	<u>0</u>
9	<u>1109</u>	25	<u>0</u>
10	<u>1108</u>	26	<u>0</u>
11	<u>1108</u>	27	<u>0</u>
12	<u>1106</u>	28	<u>0</u>
13	<u>461</u>	29	<u>0</u>
14	<u>0</u>	30	<u>0</u>
15	<u>642</u>	31	<u>0</u>
16	<u>0</u>		

## UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH October 1990DOCKET NO. 50-369UNIT NAME MCGUIRE 1DATE 11/15/90COMPLETED BY S. W. MOSERTELEPHONE (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	LICENSE EVENT REPORT NO.	(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	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
14	90-10-13	F	34.07	A	3		IA	INSTRU	REACTOR TRIP DUE TO SOLID STATE PROTECTION SYSTEM SWITCH FAILURE DURING SYSTEM TEST
53-P	90-10-14	S	--	B	--		IE	INSTRU	HOLDING LOAD INCREASE FOR NUCLEAR INSTRUMENTATION CALIBRATION
54-P	90-10-14	F	--	B	--		HG	ZZZZZZ	HOLD FOR FEEDWATER CHEMISTRY
55-P	90-10-15	S	--	B	--		IE	INSTRU	HOLDING LOAD INCREASE FOR NUCLEAR INSTRUMENTATION CALIBRATION
15	90-10-15	F	385.17	A	1		HA	TURBIN	UNIT SHUTDOWN DUE TO HIGH VIBRATION ON LOW PRESSURE 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 Licensee  
Event Report (LER)  
File (NUREG-0161)

(5)  
Exhibit I - Same Source

DOCKET NO: 50-369

UNIT: McGuire 1

DATE: 11/15/90

#### NARRATIVE SUMMARY

MONTH: October 1990

McGuire Unit 1 began the month of October operating at 100% full power. The unit operated at 100% full power until 1035 on 10/13, when the reactor tripped due to a solid state protection system switch failure during a system test. The unit was placed back on-line at 2039 on 10/14, and began a power increase. The unit was held at 15% power from 2157 to 2250 on 10/14 for nuclear instrumentation calibration. After completion of the this calibration, the unit remained at 15% power until 0005 on 10/15 due to feedwater chemistry concerns. The unit was next held at 50% power from 0420 to 0455 on 10/15 and at 75% power from 0900 to 1230 on 10/15 for nuclear instrumentation calibration. The unit reached 95% power at 1431 on 10/15. At this time, a load decrease was commenced due to excessive noise from the "C" low pressure turbine. The unit reached 85% power at 1439 on 10/15, and remained at this level while the turbine problem was investigated. At 1720 on 10/15, a unit shutdown was commenced to investigate the turbine problem. The unit was taken off-line at 2350 on 10/15, and remained off-line for the remainder of the month for completion of low pressure turbine repairs.

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

MONTHLY REFUELING INFORMATION REQUEST

1. Facility name: McGuire, Unit 1
2. Scheduled next refueling shutdown: August 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: 443
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 licensed capacity: March 2006

DUKE POWER COMPANY

DATE: November 15, 1990

Name of Contact: J. A. Reavis

Phone: 704-373-7567

# OPERATING DATA REPORT

## OPERATING STATUS

DOCKET NO 50-370  
 DATE November 15, 1990  
 COMPLETED BY R.A. Williams  
 TELEPHONE 704-373-5987

1. Unit Name: McGuire 2
2. Reporting Period: October 1, 1990-October 31, 1990
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): 1089
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	745.0	7296.0	58464.0
12. Number Of Hours Reactor Was Critical	0.0	5820.0	44522.8
13. Reactor Reserve Shutdown Hours	--0--	--0--	--0--
14. Hours Generator On-Line	0.0	5815.2	43743.3
15. Unit Reserve Shutdown Hours	--0--	--0--	--0--
16. Gross Thermal Energy Generated (MWH)	0	19288414	142549684
17. Gross Electrical Energy Generated (MWH)	0	6731994	49914655
18. Net Electrical Energy Generated (MWH)	-3769	6470435	47873332
19. Unit Service Factor	0.0	79.7	74.8
20. Unit Availability Factor	0.0	79.7	74.8
21. Unit Capacity Factor (Using MDC Net)	0.0	78.6	71.3
22. Unit Capacity Factor (Using DER Net)	0.0	75.2	69.4
23. Unit Forced Outage Rate	0.0	0.4	9.0
24. Shutdown Scheduled Over Next 6 Months (Type, Date, and Duration of Each):			

Currently Refueling

25. If Shut Down At End Of Report Period, Estimated Date of Startup: November 21, 1990
26. Units In Test Status (Prior to Commercial Operation):

Forecast      Achieved

INITIAL CRITICALITY  
 INITIAL ELECTRICITY  
 COMMERCIAL OPERATION

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

# OPERATING DATA REPORT

DOCKET NO 50-370  
 UNIT McGuire 2  
 DATE November 15, 1990  
 COMPLETED BY R.A. Williams  
 TELEPHONE 704-373-5987

MONTH October, 1990

DAY	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>0</u>
11	<u>0</u>
12	<u>0</u>
13	<u>0</u>
14	<u>0</u>
15	<u>0</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>0</u>
21	<u>0</u>
22	<u>0</u>
23	<u>0</u>
24	<u>0</u>
25	<u>0</u>
26	<u>0</u>
27	<u>0</u>
28	<u>0</u>
29	<u>0</u>
30	<u>0</u>
31	<u>0</u>

## UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH October 1990

DOCKET NO. 50-370  
 UNIT NAME MCGUIRE 2  
 DATE 11/15/90  
 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) METH- OD OF SHUT DOWN R/X	LICENSE EVENT REPORT NO.	(4) SYS- TEM CODE	(5) COMPONENT CODE	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
2	90-10- 2	S	745.00	C	1		RC	FUELXX	END OF CYCLE 6 REFUELING OUTAGE

(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: 50-370

UNIT: McGuire 2

DATE: 11/15/90

#### NARRATIVE SUMMARY

MONTH: October 1990

McGuire Unit 2 began the month of October shut down for its end-of-cycle 6" refueling outage. The unit remained in the outage for the entire month.

Note: The summary for McGuire Unit 2 for September, 1990 incorrectly identified the power reduction at the beginning of the month as a coastdown in preparation to come off-line for a refueling outage. The unit was not coasting down at this point, but was only reducing power in preparation for coming off-line.

MONTHLY REFUELING INFORMATION REQUEST

1. Facility name: McGuire, Unit 2
2. Scheduled next refueling shutdown: Currently Refueling
3. Scheduled restart following refueling: November 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: 589
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 licensed capacity: December 2003

DUKE POWER COMPANY

DATE: November 15, 1990

Name of Contact: J. A. Reavis

Phone: 704-373-7567