

OPERATING DATA REPORT

DOCKET 50-369

DATE 5-13-88

OPERATING STATUS

COMPLETED BY J. A. Reavis

TELEPHONE 704/373-7567

1. Unit Name: McGUIRE 1
2. Reporting Period: APRIL 1, 1988-APRIL 30, 1988
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):
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	719.0	2,903.0	56,231.0
12. Number Of Hours Reactor Was Critical	702.6	2,848.5	39,712.1
13. Reactor Reserve Shutdown Hours	--0--	--0--	--0--
14. Hours Generator On-Line	700.5	2,840.5	39,183.8
15. Unit Reserve Shutdown Hours	--0--	--0--	--0--
16. Gross Thermal Energy Generated (MWH)	2,314,604	9,390,223	114,459,802
17. Gross Electrical Energy Generated (MWH)	806,837	3,262,504	39,658,661
18. Net Electrical Energy Generated (MWH)	778,201	3,145,944	37,811,442
19. Unit Service Factor	97.4	97.9	69.7
20. Unit Availability Factor	97.4	97.9	69.7
21. Unit Capacity Factor (Using MDC Net)	95.9	96.0	57.6
22. Unit Capacity Factor (Using DER Net)	91.7	91.8	57.0
23. Unit Forced Outage Rate	2.6	2.2	12.3
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):			
Refueling - October 14, 1988 - 10 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

*Jerry*  
*11*

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-369  
 -----  
 UNIT McGuire .  
 -----  
 DATE May 13, 1988  
 -----  
 COMPLETED BY J. A. Reavis  
 -----  
 TELEPHONE 704-373-7567  
 -----

MONTH APRIL, 1988  
 -----

DAY	AVERAGE DAILY POWER LEVEL (MWE-Net)
1	1140
2	1139
3	1141
4	1141
5	1136
6	1137
7	1134
8	1132
9	1133
10	1131
11	1137
12	1123
13	1128
14	1132
15	1134
16	482

DAY	AVERAGE DAILY POWER LEVEL (MWE-Net)
17	371
18	1077
19	1125
20	1127
21	1130
22	1127
23	1122
24	1124
25	1120
26	1122
27	1131
28	1130
29	1134
30	1135

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-369  
 UNIT NAME MCGUIRE 1  
 DATE 05/13/88  
 COMPLETED BY J. A. REAVIS  
 TELEPHONE (704)-373-7567

REPORT MONTH April 1988

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	
18-P	88- 4-12	F	--	A	--		HB	VALVEX	STEAM DRAIN VALVE GROUND CAUSED ALL HEATER BLEED STEAM & STEAM DRAIN VALVES TO CLOSE
3	88- 4-16	F	18.50	A	1		HH	VALVEX	FAILURE OF CARD IN CONTROL CABINET CAUSED FEED REG. VALVE TO CLOSE
19-P	88- 4-17	S	--	F	--		ZZ	ZZZZZZ	POWER HOLD FER DISPATCHER
20-P	88- 4-18	S	--	B	--		IE	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  
 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: 05/13/88

NARRATIVE SUMMARY

Month: April, 1988

McGuire Unit 1 began the month of April operating at 100% full power. At 1430 on 04/12, power was reduced to 98% when all heater bleed steam and steam drain valves closed due to a ground on a heater drain valve. The unit then returned to 100% power at 1824 on 4/12. At 1033 on 4/16, the unit was removed from service following loss of power to a S/G Feedwater Regulating valve. The unit returned to service at 0503 on 4/17, reaching 60% power at 1333 the same day, where power was held per Dispatcher request. The unit resumed power escalation at 0000 on 4/18, held power at 95% from 0300 to 0400 on 4/18 for Nuclear Instrumentation Calibration, and reached 100% power at 0700 on 4/18. The unit then operated at 100% power for the remainder of the month.

MONTHLY REFUELING INFORMATION REQUEST

1. Facility name: McGuire, Unit 1
2. Scheduled next refueling shutdown: October, 1988
3. Scheduled restart following refueling: December, 1988
4. Will refueling or resumption of operation thereafter require a technical specification change or other license amendment? Yes

If yes, what will these be? Delete expiration date of F\* tube plugging criteria.

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: 293
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: August, 2010

DUKE POWER COMPANY

DATE: May 13, 1988

Name of Contact: J. A. Reavis

Phone: 704-373-7567

OPERATING DATA REPORT

DOCKET 50-370

DATE 5-13-88

COMPLETED BY J. A. Reavis

TELEPHONE 704/373-7567

OPERATING STATUS

1. Unit Name: McGUIRE 2
2. Reporting Period: APRIL 1, 1988-APRIL 30, 1988
3. Licensed Thermal Power (MMt): 3411
4. Nameplate Rating (Gross MWe): 1305\*
5. Design Electrical Rating (Net MWe): 1180
6. Maximum Dependable Capacity (Gross MWe):
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	719.0	2,903.0	36,527.0
12. Number Of Hours Reactor Was Critical	719.0	2,805.1	27,331.0
13. Reactor Reserve Shutdown Hours	--0--	--0--	--0--
14. Hours Generator On-Line	719.0	2,880.2	26,707.5
15. Unit Reserve Shutdown Hours	--0--	--0--	--0--
16. Gross Thermal Energy Generated (MWH)	2,446,326	9,722,759	86,962,709
17. Gross Electrical Energy Generated (MWH)	854,124	3,397,998	30,473,801
18. Net Electrical Energy Generated (MWH)	824,271	3,277,382	29,213,384
19. Unit Service Factor	100.0	99.2	73.1
20. Unit Availability Factor	100.0	99.2	73.1
21. Unit Capacity Factor (Using MDC Net)	101.5	100.0	68.9
22. Unit Capacity Factor (Using DER Net)	97.2	95.7	67.8
23. Unit Forced Outage Rate	0.0	0.8	13.6
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): Refueling - May 27, 1988 - 9 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

-----  
-----  
-----

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-370  
 UNIT McGuire 2  
 DATE May 13, 1988  
 COMPLETED BY J. A. Reavis  
 TELEPHONE 704-373-7567

MONTH APRIL, 1988

DAY	AVERAGE DAILY POWER LEVEL (MWE-Net)
1	1146
2	1146
3	1147
4	1147
5	1144
6	1145
7	1145
8	1143
9	1143
10	1143
11	1150
12	1144
13	1143
14	1146
15	1146
16	1146

DAY	AVERAGE DAILY POWER LEVEL (MWE-Net)
17	1145
18	1146
19	1148
20	1150
21	1154
22	1150
23	1148
24	1149
25	1146
26	1145
27	1148
28	1148
29	1147
30	1147

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-370  
 UNIT NAME MCGUIRE 2  
 DATE 05/13/88  
 COMPLETED BY J. A. REAVIS  
 TELEPHONE (704)-373-7567

REPORT MONTH April 1988

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 I O U S R E C U R R E N C E
					NO	SHUTDOWNS	OR	REDUCTIONS	

(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: 05/13/88

NARRATIVE SUMMARY

Month: April, 1988

McGuire Unit 2 operated at 100% full power for the entire month of April.

MONTHLY REFUELING INFORMATION REQUEST

1. Facility name: McGuire, Unit 2
2. Scheduled next refueling shutdown: May, 1988
3. Scheduled restart following refueling: July, 1988
4. Will refueling or resumption of operation thereafter require a technical specification change or other license amendment? Yes  
If yes, what will these be? Core Design Flexibility  
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: 449
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: August, 2010

DUKE POWER COMPANY

DATE: May 13, 1988

Name of Contact: J. A. Reavis

Phone: 704-373-7567

McGUIRE NUCLEAR STATION  
MONTHLY OPERATING STATUS REPORT

1. Personnel Exposure

For the month of March, no individuals exceeded 10 percent of their allowable annual radiation dose limit.

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

DUKE POWER COMPANY

P.O. BOX 33189  
CHARLOTTE, N.C. 28242

TELEPHONE  
(704) 373-4531

HAL B. TUCKER  
VICE PRESIDENT  
NUCLEAR PRODUCTION

May 13, 1988

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

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

Dear Sir:

Please find attached information concerning the performance and operating status of the McGuire Nuclear Station for the month of April, 1988.

Very truly yours,

*H. B. Tucker*

Hal B. Tucker

JAR/t/sbn

Attachment

xc: Dr. J. Nelson Grace  
Regional Administrator/Region II  
U. S. Nuclear Regulatory Commission  
101 Marietta Street, NW, Suite 2900  
Atlanta, Georgia 30323

Mr. Phil Ross  
U. S. Nuclear Regulatory Commission  
MNBB-5715  
Washington, D. C. 20555

Mr. Darl Hood, Project Manager  
Office of Nuclear Reactor Regulation  
U. S. Nuclear Regulatory Commission  
Washington, D. C. 20555

Mr. Robert G. Rogers  
Nuclear Assurance Corporation  
6251 Crooked Creek Road  
Norcross, Georgia 30092

American Nuclear Insurers  
c/o Dottie Sherman, ANI Library  
The Exchange, Suite 245  
270 Farmington Avenue  
Farmington, CT 06032

INPO Records Center  
Suite 1500  
1100 Circle 75 Parkway  
Atlanta, Georgia 30323

Mr. Richard G. Gehl, NE-44  
U. S. Department of Energy  
19901 Germantown Road  
Germantown, Maryland 20874

Mr. W. T. Orders  
NRC Resident Inspector  
McGuire Nuclear Station

*IE2A*  
*11*