

# OPERATING DATA REPORT

DOCKET NO. 50-369  
 DATE 04-13-84  
 COMPLETED BY J.A. Reavis  
 TELEPHONE 704-373-7567

## OPERATING STATUS

1. Unit Name: McGuire 1
2. Reporting Period: March 1, 1984-March 31, 1984
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): 1225
7. Maximum Dependable Capacity (Net MWe): 1180

Notes \* Nameplate Rating  
 (Gross MWe) calculated as  
 1450.000 MVA x .90 power  
 factor per Page iii,  
 NUREG-0020.

8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:  
None

9. Power Level To Which Restricted, If Any (Net MWe): None

10. Reasons For Restrictions, If Any: \_\_\_\_\_

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	744.0	2 184.0	20 448.0
12. Number Of Hours Reactor Was Critical	0.0	1 295.0	13 368.1
13. Reactor Reserve Shutdown Hours	-	-	-
14. Hours Generator On-Line	0.0	1 289.4	13 238.5
15. Unit Reserve Shutdown Hours	-	-	-
16. Gross Thermal Energy Generated (MWH)	000	4 112 690	31 549 759
17. Gross Electrical Energy Generated (MWH)	221	1 442 478	10 959 643
18. Net Electrical Energy Generated (MWH)	(4 295)	1 381 746	10 338 001
19. Unit Service Factor	0.0	59.0	64.7
20. Unit Availability Factor	0.0	59.0	64.7
21. Unit Capacity Factor (Using MDC Net)	0.0	53.6	42.9
22. Unit Capacity Factor (Using DER Net)	0.0	53.6	42.9
23. Unit Forced Outage Rate	0.0	1.6	19.0

24. Shutdowns 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: April 24, 1984

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

INITIAL CRITICALITY  
 INITIAL ELECTRICITY  
 COMMERCIAL OPERATION

Forecast	Achieved
_____	_____
_____	_____
_____	_____

# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-369

UNIT McGuire 1

DATE 04-13-84

COMPLETED BY J.A. Reavis

TELEPHONE 704-373-7567

MONTH March 1984

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	-
2	-
3	-
4	-
5	-
6	-
7	-
8	-
9	-
10	-
11	-
12	-
13	-
14	-
15	-
16	-

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	-
18	-
19	-
20	-
21	-
22	-
23	-
24	-
25	-
26	-
27	-
28	-
29	-
30	-
31	-

## INSTRUCTIONS

On this format, list the average daily unit power level in MWe-Net for each day in the reporting month. Compute to the nearest whole megawatt.

## UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH March, 1984

DOCKET NO. 50-369  
 UNIT NAME McGuire 1  
 DATE 04/13/84  
 COMPLETED BY J. A. Reavis  
 TELEPHONE 704-373-7567

No.	Date	Type <sup>1</sup>	Duration (Hours)	Reason <sup>2</sup>	Method of Shutting Down Reactor <sup>3</sup>	Licensee Event Report #	System Code <sup>4</sup>	Component Code <sup>5</sup>	Cause & Corrective Action to Prevent Recurrence
3	84-03-01	S	744.00	C	1		RC	FUELXX	End of Cycle 1 Refueling Outage

<sup>1</sup>  
 F: Forced  
 S: Scheduled

<sup>2</sup>  
 Reason:  
 A-Equipment Failure (Explain)  
 B-Maintenance or Test  
 C-Refueling  
 D-Regulatory Restriction  
 E-Operator Training & License Examination  
 F-Administrative  
 G-Operational Error (Explain)  
 H-Other (Explain)

<sup>3</sup>  
 Method:  
 1-Manual  
 2-Manual Scram.  
 3-Automatic Scram.  
 4-Other (Explain)

<sup>4</sup>  
 Exhibit G - Instructions  
 for Preparation of Data  
 Entry Sheets for Licensee  
 Event Report (LER) File (NUREG-  
 0161)

<sup>5</sup>  
 Exhibit I - Same Source

DOCKET NO: 50-369

UNIT: McGuire 1

DATE: 4/13/84

# NARRATIVE SUMMARY

Month: March 1984

McGuire 1 is in a refueling outage and is scheduled to be on-line on 24 April 1984.

# MONTHLY REFUELING INFORMATION REQUEST

1. Facility name: McGuire Unit 1.
2. Scheduled next refueling shutdown: Currently Refueling.
3. Scheduled restart following refueling: April 1984.
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? 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). N/A

7. Number of fuel assemblies (a) in the core: 193.  
(b) in the spent fuel pool: 91.
8. Present licensed fuel pool capacity: 500  
Size of requested or planned increase: 1463
9. Projected date of last refueling which can be accommodated by present  
licensed capacity: November 1990

DUKE POWER COMPANY

Date: April 13, 1984

Name of Contact: J. A. Reavis

Phone: 704-373-7567

# OPERATING DATA REPORT

DOCKET NO. 50-370  
 DATE 04-13-84  
 COMPLETED BY J.A. Reavis  
 TELEPHONE 704-373-7567

## OPERATING STATUS

1. Unit Name: McGuire 2
2. Reporting Period: March 1, 1984 - March 31, 1984
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): 1225
7. Maximum Dependable Capacity (Net MWe): 1180

Notes \* Nameplate Rating  
 (Gross MWe) calculated as  
 1450.000 MVA x .90 power  
 factor per Page iii,  
 NUREG-0020.

8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:  
Unit Commercial March 1, 1984

9. Power Level To Which Restricted, If Any (Net MWe): None
10. Reasons For Restrictions, If Any: \_\_\_\_\_

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	<u>744.0</u>	<u>744.0</u>	<u>744.0</u>
12. Number Of Hours Reactor Was Critical	<u>707.0</u>	<u>707.0</u>	<u>707.0</u>
13. Reactor Reserve Shutdown Hours	<u>-</u>	<u>-</u>	<u>-</u>
14. Hours Generator On-Line	<u>701.8</u>	<u>701.8</u>	<u>701.8</u>
15. Unit Reserve Shutdown Hours	<u>-</u>	<u>-</u>	<u>-</u>
16. Gross Thermal Energy Generated (MWH)	<u>2 306 794</u>	<u>2 306 794</u>	<u>2 306 794</u>
17. Gross Electrical Energy Generated (MWH)	<u>828 863</u>	<u>828 863</u>	<u>828 863</u>
18. Net Electrical Energy Generated (MWH)	<u>798 723</u>	<u>798 723</u>	<u>798 723</u>
19. Unit Service Factor	<u>94.3</u>	<u>94.3</u>	<u>94.3</u>
20. Unit Availability Factor	<u>94.3</u>	<u>94.3</u>	<u>94.3</u>
21. Unit Capacity Factor (Using MDC Net)	<u>91.0</u>	<u>91.0</u>	<u>91.0</u>
22. Unit Capacity Factor (Using DER Net)	<u>91.0</u>	<u>91.0</u>	<u>91.0</u>
23. Unit Forced Outage Rate	<u>5.7</u>	<u>5.7</u>	<u>5.7</u>
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): <u>None</u>			

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  | <u>      </u> | <u>      </u> |
| INITIAL ELECTRICITY  | <u>      </u> | <u>      </u> |
| COMMERCIAL OPERATION | <u>      </u> | <u>      </u> |



# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-370  
UNIT McGuire 2  
DATE 04-13-84  
COMPLETED BY J.A. Reavis  
TELEPHONE 704-373-7567

MONTH March 1984

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>1 184</u>	17	<u>1 184</u>
2	<u>1 184</u>	18	<u>1 184</u>
3	<u>1 128</u>	19	<u>728</u>
4	<u>40</u>	20	<u>717</u>
5	<u>455</u>	21	<u>1 184</u>
6	<u>1 172</u>	22	<u>1 175</u>
7	<u>947</u>	23	<u>1 184</u>
8	<u>1 091</u>	24	<u>1 182</u>
9	<u>1 183</u>	25	<u>1 185</u>
10	<u>1 182</u>	26	<u>1 185</u>
11	<u>1 182</u>	27	<u>1 175</u>
12	<u>1 183</u>	28	<u>1 184</u>
13	<u>1 183</u>	29	<u>1 179</u>
14	<u>981</u>	30	<u>1 186</u>
15	<u>1 184</u>	31	<u>1 185</u>
16	<u>1 184</u>		

## INSTRUCTIONS

On this format, list the average daily unit power level in MWe-Net for each day in the reporting month. Compute to the nearest whole megawatt.

## UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH March 1984

DOCKET NO. 50-370  
 UNIT NAME McGuire 2  
 DATE 4/13/84  
 COMPLETED BY J. A. Reavis  
 TELEPHONE 704-373-7567

No.	Date	Type <sup>1</sup>	Duration (Hours)	Reason <sup>2</sup>	Method of Shutting Down Reactor <sup>3</sup>	Licensee Event Report #	System Code <sup>4</sup>	Component Code <sup>5</sup>	Cause & Corrective Action to Prevent Recurrence
6-p	84-03-22	S	--	B	-		IA	INSTRU	Reactor Protection System Testing
7-p	84-03-24	S	--	B	-		IA	INSTRU	Reactor Protection System Testing
8-p	84-03-27	S	--	B	-		IA	INSTRU	Reactor Protection System Testing
9-p	84-03-29	S	--	B	-		IA	INSTRU	Reactor Protection System Testing

<sup>1</sup>  
 F: Forced  
 S: Scheduled

<sup>2</sup>  
 Reason:  
 A-Equipment Failure (Explain)  
 B-Maintenance or Test  
 C-Refueling  
 D-Regulatory Restriction  
 E-Operator Training & License Examination  
 F-Administrative  
 G-Operational Error (Explain)  
 H-Other (Explain)

<sup>3</sup>  
 Method:  
 1-Manual  
 2-Manual Scram.  
 3-Automatic Scram.  
 4-Other (Explain)

<sup>4</sup>  
 Exhibit G - Instructions  
 for Preparation of Data  
 Entry Sheets for Licensee  
 Event Report (LER) File (NUREG-  
 0161)

<sup>5</sup>  
 Exhibit I - Same Source



## UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH March 1984

DOCKET NO. 50-370  
 UNIT NAME McGuire 2  
 DATE 4/13/84  
 COMPLETED BY J. A. Reavis  
 TELEPHONE 704-373-7567

No.	Date	Type <sup>1</sup>	Duration (Hours)	Reason <sup>2</sup>	Method of Shutting Down Reactor <sup>3</sup>	Licensee Event Report #	System Code <sup>4</sup>	Component Code <sup>5</sup>	Cause & Corrective Action to Prevent Recurrence
1-p	84-03-03	F	--	D	-		HI	VALVEX	Investigate 2-3 GPM Leak Inside Containment
2-p	84-03-04	F	--	A	-		CH	VALVEX	Feedwater Isolation Valve Stuck Open
1	84-03-04	F	27.15	A	-		HI	VALVEX	Repair Packing Leak on Steam Generator Blow Down Valve
3-p	84-03-05	F	--	A	-		IB	INSTRU	Excore Calibrations
4-p	84-03-07	F	--	B	-		CB	PUMPXX	Reactor Coolant Pump Overcurrent Test
5-p	84-03-14	F	--	D	-		ZZ	PENETR	Containment Penetration Testing to Verify Integrity
2	84-03-19	F	15.10	A	3		CC	HTEXCH	Bad Card Caused Steam Generator Pressure Indication to Fail Lo

<sup>1</sup>  
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 Reason:  
 A-Equipment Failure (Explain)  
 B-Maintenance or Test  
 C-Refueling  
 D-Regulatory Restriction  
 E-Operator Training & License Examination  
 F-Administrative  
 G-Operational Error (Explain)  
 H-Other (Explain)

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<sup>5</sup>  
 Exhibit I - Same Source

DOCKET NO: 50-370  
UNIT: McGuire 2  
DATE: 04-13-84

#### NARRATIVE SUMMARY

Month: March 1984

McGuire Unit 2 started the month at 100% until 3 March 1984, when a leak was discovered in containment. The unit was off line on 4 March 1984 to repair the leak and back on line on 5 March 1984. The unit was held at 98% power until 7 March 1984, for instrumentation calibration.

The unit ran at 100% until 14 March 1984, when an Unusual Event was declared because of some untested penetrations. Load had been decreased to 38% by the time repairs were completed. The unit was back at 100% late the same evening.

On 19 March 1984, the unit tripped because of a malfunctioning process card which caused a steam generator feed regulator valve to close. The unit was back on line on 20 March 1984.

The Unit ran at 100% for the balance of the month with the exceptions of 22, 24, 27 and 29 March 1984, when Reactor Protection System Testing was conducted for 4 hours on each of those nights and power was reduced to 95%

## MONTHLY REFUELING INFORMATION REQUEST

1. Facility name: McGuire Unit 2
2. Scheduled next refueling shutdown: February 1985
3. Scheduled restart following refueling: May 1985
4. Will refueling or resumption of operation thereafter require a technical specification change or other license amendment? Yes.  
If yes, what will these be? Technical Specification changes needed to support transition to optimized fuel in next cycle.
- 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). N/A
7. Number of fuel assemblies (a) in the core: 193.  
(b) in the spent fuel pool: 0.
8. Present licensed fuel pool capacity: 500.  
Size of requested or planned increase: 1463.
9. Projected date of last refueling which can be accommodated by present licensed capacity: May 1993

DUKE POWER COMPANY

Date: April 13, 1984

Name of Contact: J. A. Reavis

Phone: 704-373-7567

McGUIRE NUCLEAR STATION

Operating Status Report

1. Personnel Exposure

For the month of February, no individual(s) exceeded 10 percent of their allowable annual radiation dose limit.

2. The total station liquid release contribution to whole body dose for February has been compared with the Technical Specifications annual value of 3 mrem; the total release for February was less than 10 percent of this limit.

The total station gaseous release contribution to any organ dose for February has been compared with the Technical Specifications annual value of 15 mrem; the total release for February was less than 10 percent of this limit.

DUKE POWER COMPANY

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

HAL B. TUCKER  
VICE PRESIDENT  
NUCLEAR PRODUCTION

April 13, 1984

TELEPHONE  
(704) 373-4531

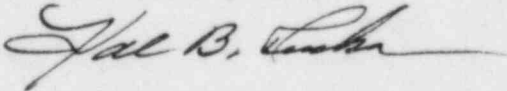
Director  
Office of Inspection and Enforcement  
U. S. Nuclear Regulatory Commission  
Washington, D. C. 20555

Attention: Document Control Desk

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

Dear Sir: Please find attached information concerning the performance and operating status of the McGuire Nuclear Station for the month of March, 1984.

Very truly yours,



Hal B. Tucker

JAR:scs

Attachments

cc: Regional Administrator  
U. S. Nuclear Regulatory Commission  
Region II  
101 Marietta Street, Suite 2900  
Atlanta, Georgia 30303

Mr. Ralph Birkel  
Office of Nuclear Reactor Regulation  
U. S. Nuclear Regulatory Commission  
Washington, D. C. 20555

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

Senior Resident Inspector  
McGuire Nuclear Station

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Atlanta, Georgia 30339

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1/1