

# OPERATING DATA REPORT

DOCKET NO. 50-369  
 DATE 10-15-84  
 COMPLETED BY J.A. Reavis  
 TELEPHONE 704-373-7567

## OPERATING STATUS

1. Unit Name: McGuire 1
2. Reporting Period: September 1, 1984-September 30, 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): \_\_\_\_\_
7. Maximum Dependable Capacity (Net MWe): 1180
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:  
None

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): None
10. Reasons For Restrictions, If Any: \_\_\_\_\_

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	<u>720.0</u>	<u>6 575.0</u>	<u>24 839.0</u>
12. Number Of Hours Reactor Was Critical	<u>720.0</u>	<u>4 803.1</u>	<u>16 876.2</u>
13. Reactor Reserve Shutdown Hours	<u>---</u>	<u>---</u>	<u>---</u>
14. Hours Generator On-Line	<u>720.0</u>	<u>4 739.9</u>	<u>16 688.9</u>
15. Unit Reserve Shutdown Hours	<u>---</u>	<u>---</u>	<u>---</u>
16. Gross Thermal Energy Generated (MWH)	<u>2 480 184</u>	<u>15 545 163</u>	<u>42 982 232</u>
17. Gross Electrical Energy Generated (MWH)	<u>842 225</u>	<u>5 401 539</u>	<u>14 918 704</u>
18. Net Electrical Energy Generated (MWH)	<u>811 879</u>	<u>5 177 013</u>	<u>14 133 268</u>
19. Unit Service Factor	<u>100.0</u>	<u>72.1</u>	<u>67.2</u>
20. Unit Availability Factor	<u>100.0</u>	<u>72.1</u>	<u>67.2</u>
21. Unit Capacity Factor (Using MDC Net)	<u>95.6</u>	<u>66.7</u>	<u>48.2</u>
22. Unit Capacity Factor (Using DER Net)	<u>95.6</u>	<u>66.7</u>	<u>48.2</u>
23. Unit Forced Outage Rate	<u>0.0</u>	<u>4.3</u>	<u>16.5</u>

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):

- (1) Maintenance Outage - November 24, 1984 - 4 Weeks
- (2) Refueling - April 4, 1985 - 7 Weeks

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

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

INITIAL CRITICALITY  
 INITIAL ELECTRICITY  
 COMMERCIAL OPERATION

Forecast

Achieved

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# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-369  
 UNIT McGuire 1  
 DATE 10/15/84  
 COMPLETED BY J.A. Reavis  
 TELEPHONE 704-373-7567

MONTH September, 1984

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>1 122</u>	17	<u>1 130</u>
2	<u>1 126</u>	18	<u>1 130</u>
3	<u>1 131</u>	19	<u>1 130</u>
4	<u>1 130</u>	20	<u>1 135</u>
5	<u>1 128</u>	21	<u>1 132</u>
6	<u>1 128</u>	22	<u>1 131</u>
7	<u>1 129</u>	23	<u>1 082</u>
8	<u>1 128</u>	24	<u>1 133</u>
9	<u>1 118</u>	25	<u>1 134</u>
10	<u>1 128</u>	26	<u>1 133</u>
11	<u>1 128</u>	27	<u>1 131</u>
12	<u>1 127</u>	28	<u>1 131</u>
13	<u>1 125</u>	29	<u>1 132</u>
14	<u>1 129</u>	30	<u>1 133</u>
15	<u>1 130</u>	31	<u>- - -</u>
16	<u>1 127</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 September, 1984DOCKET NO. 50-369UNIT NAME McGuire 1DATE 10/15/84COMPLETED BY J. A. ReavisTELEPHONE 704-373-7567

No.	Date	Type <sup>1</sup>	Duration (Hours)	Reason <sup>2</sup>	Method of Shutting Down Reactor <sup>3</sup>	License Event Report #	Systems Code <sup>4</sup>	Component Code <sup>5</sup>	Cause & Corrective Action to Prevent Recurrence
33-p	84-09-09	S	--	F	--		ZZ	ZZZZZZ	Dispatch Reduction
34-p	84-09-22	S	--	B	--		CC	VALVEX	Turbine Valve Movement Testing
35-p	84-09-23	F	--	A	--		IF	INSTRU	Troubleshooting Turbine Controls

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-Operational 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: 10/15/84

#### NARRATIVE SUMMARY

Month: September 1984

The Unit operated at 100% except for a Dispatcher reduction on September 22, a turbine control PT on September 22, and problems with the turbine control system on September 23rd following the PT.

MONTHLY REFUELING INFORMATION REQUEST

1. Facility name: McGuire Unit 1.
2. Scheduled next refueling shutdown: April 1985.
3. Scheduled restart following refueling: June 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 Revision

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

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: 1463.  
Size of requested or planned increase: \_\_\_\_\_.
  9. Projected date of last refueling which can be accommodated by present licensed capacity: \_\_\_\_\_.

DUKE POWER COMPANY

Date: October 15, 1984.

Name of Contact: J. A. Reavis

Phone: 704-373-7567



# OPERATING DATA REPORT

DOCKET NO. 50-370  
 DATE 10-15-84  
 COMPLETED BY J.A. Reavis  
 TELEPHONE 704-373-7567

## OPERATING STATUS

1. Unit Name: McGuire 2
2. Reporting Period: September 1, 1984-September 30, 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): 1180
7. Maximum Dependable Capacity (Net MWe): 1180
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:  
None

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): None
10. Reasons For Restrictions, If Any: \_\_\_\_\_

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	720.0	5 135.0	5 135.0
12. Number Of Hours Reactor Was Critical	695.0	4 150.2	4 150.2
13. Reactor Reserve Shutdown Hours	---	---	---
14. Hours Generator On-Line	690.2	4 121.2	4 121.2
15. Unit Reserve Shutdown Hours	---	---	---
16. Gross Thermal Energy Generated (MWH)	2 272 550	13 567 910	13 567 910
17. Gross Electrical Energy Generated (MWH)	793 036	4 810 784	4 810 784
18. Net Electrical Energy Generated (MWH)	763 083	4 619 852	4 619 852
19. Unit Service Factor	95.9	80.3	80.3
20. Unit Availability Factor	95.9	80.3	80.3
21. Unit Capacity Factor (Using MDC Net)	89.8	76.2	76.2
22. Unit Capacity Factor (Using DER Net)	89.8	76.2	76.2
23. Unit Forced Outage Rate	4.1	18.4	18.4

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):  
Refueling - January 30, 1985 - 8 Weeks

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

INITIAL CRITICALITY  
 INITIAL ELECTRICITY  
 COMMERCIAL OPERATION

Forecast	Achieved
_____	_____
_____	_____
_____	_____

# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-370  
 UNIT McGuire 2  
 DATE 10/15/84  
 COMPLETED BY J.A. Reavis  
 TELEPHONE 704-373-7567

MONTH September, 1984

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>83</u>	17	<u>1 149</u>
2	<u>947</u>	18	<u>1 151</u>
3	<u>1 159</u>	19	<u>1 139</u>
4	<u>1 159</u>	20	<u>1 126</u>
5	<u>1 156</u>	21	<u>1 130</u>
6	<u>1 158</u>	22	<u>1 131</u>
7	<u>1 146</u>	23	<u>1 132</u>
8	<u>1 016</u>	24	<u>1 132</u>
9	<u>1 078</u>	25	<u>1 151</u>
10	<u>1 160</u>	26	<u>1 149</u>
11	<u>1 062</u>	27	<u>1 150</u>
12	<u>1 154</u>	28	<u>1 153</u>
13	<u>1 147</u>	29	<u>1 154</u>
14	<u>1 151</u>	30	<u>1 155</u>
15	<u>1 015</u>	31	<u>- -</u>
16	<u>206</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

DOCKET NO. 50-370

UNIT NAME McGuire 2

DATE 10/15/84

REPORT MONTH September, 1984

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>	License Event Report #	Systems Code <sup>4</sup>	Component Code <sup>5</sup>	Cause & Corrective Action to Prevent Recurrence
12	84-09-01	F	14.85	G	3		ZZ	ZZZZZZ	Technician worked on wrong connection during protection cabinet testing.
44-p	84-09-01	F	--	A	-		CH	INSTRU	Erroneous thrust bearing wear signal on feedwater pump.
45-p	84-09-02	F	--	A	-		CH	INSTRU	Feedwater pump control problems
46-p	84-09-07	F	--	A	-		CC	VALVEX	Isolate Feedwater Heater to Repair Relief Valve
47-p	84-09-07	S	--	B	-		IB	INSTRU	Incore/Excore Calibrations
48-p	84-09-08	F	--	G	-		ZZ	ZZZZZZ	Inadvertent Overboration
49-p	84-09-08	S	--	B	-		IB	INSTRU	Incore/Excore Calibrations
50-p	84-09-10	F	--	A	-		CH	INSTRU	Repair Feedwater Pump Control Oil
51-p	84-09-12	F	--	A	-		CH	HTEXCH	Isolate Feedwater Heaters for Welding
13	84-09-16	F	14.92	A	1		CB	PUMPXX	Check/Add Oil to the Reactor Coolant Pumps
52-p	84-09-19	F	--	A	-		HH	PUMPXX	Heater Drain Pump Out of Service for Seal Work

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-Operational 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. 50-370

UNIT NAME McGuire 2

DATE 10/15/84

COMPLETED BY J. A. Reavis

TELEPHONE 704-373-7567

PAGE 2

REPORT MONTH September 1984

No.	Date	Type <sup>1</sup>	Duration (Hours)	Reason <sup>2</sup>	Method of Shutting Down Reactor <sup>3</sup>	License Event Report #	Systems Code <sup>4</sup>	Component Code <sup>5</sup>	Cause & Corrective Action to Prevent Recurrence
53-p	84-09-26	F	--	A	-		HH	PUMPYX	Heater Drain Pump Tripped Due to Emergency Low Level

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-Operational Error (Explain)  
H-Other (Explain)

3

Method:

1-Manual  
2-Manual Scram  
3-Automatic Scram  
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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: 10/15/84

#### NARRATIVE SUMMARY

Month: September 1984

The unit experienced a trip caused by a technician while working on the Reactor protection system; 2 Incore/Excore calibration tests; a hold on increasing power after the trip on September 1st because of a feed pump control problem; a reduction in efficiency due to a feedwater heater repair on September 7; a load reduction caused by overboration on September 8; a reduction to 50% power to repair a feed pump on September 10; a load reduction due to repairs on a feedwater heater on September 12; a unit shutdown on September 16 to add oil to a Reactor Coolant pump; and load reductions on September 19 and 26 due to Heater Drain Tank pump problems.

MONTHLY REFUELING INFORMATION REQUEST

1. Facility name: McGuire Unit 2.
2. Scheduled next refueling shutdown: January 1985.
3. Scheduled restart following refueling: March 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 Revision

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

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: 1463.  
Size of requested or planned increase: \_\_\_\_\_.
  9. Projected date of last refueling which can be accommodated by present licensed capacity: \_\_\_\_\_.

DUKE POWER COMPANY

Date: October 15, 1984.

Name of Contact: J. A. Reavis

Phone: 704-373-7567

McGUIRE NUCLEAR STATION

Monthly Operating Status Report

1. Personnel Exposure

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

2. The total station liquid release for August 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 August 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

HAL B. TUCKER  
VICE PRESIDENT  
NUCLEAR PRODUCTION

October 15, 1984

TELEPHONE  
(704) 373-4531

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

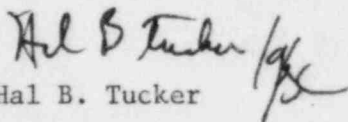
Attention: Document Control Desk

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 September 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 30323

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

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

INPO Records Center  
Suite 1500  
1100 Circle 75 Parkway  
Atlanta, Georgia 30339

Ms. Judy Dovers  
Nuclear Assurance Corporation  
5720 Peachtree Parkway  
Norcross, Georgia 30092

Senior Resident Inspector  
McGuire Nuclear Station

IE24  
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