

OPERATING DATA REPORT

DOCKET NO. 50-369  
 DATE 11-15-84  
 COMPLETED BY J.A. Reavis  
 TELEPHONE 704-373-7567

OPERATING STATUS

1. Unit Name: McGuire 1
2. Reporting Period: October 1, 1984-October 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): \_\_\_\_\_
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
9. Power Level To Which Restricted, If Any (Net MWe): None
10. Reasons For Restrictions, If Any: \_\_\_\_\_

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

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	<u>745.0</u>	<u>7 320.0</u>	<u>25 584.0</u>
12. Number Of Hours Reactor Was Critical	<u>647.0</u>	<u>5 450.1</u>	<u>17 523.1</u>
13. Reactor Reserve Shutdown Hours	<u>---</u>	<u>---</u>	<u>---</u>
14. Hours Generator On-Line	<u>643.2</u>	<u>5 383.0</u>	<u>17 332.1</u>
15. Unit Reserve Shutdown Hours	<u>---</u>	<u>---</u>	<u>---</u>
16. Gross Thermal Energy Generated (MWH)	<u>2 042 345</u>	<u>17 517 508</u>	<u>45 024 577</u>
17. Gross Electrical Energy Generated (MWH)	<u>700 923</u>	<u>6 172 462</u>	<u>15 619 627</u>
18. Net Electrical Energy Generated (MWH)	<u>670 003</u>	<u>5 847 016</u>	<u>14 803 271</u>
19. Unit Service Factor	<u>86.3</u>	<u>73.5</u>	<u>67.8</u>
20. Unit Availability Factor	<u>86.3</u>	<u>73.5</u>	<u>67.8</u>
21. Unit Capacity Factor (Using MDC Net)	<u>76.2</u>	<u>67.7</u>	<u>49.0</u>
22. Unit Capacity Factor (Using DER Net)	<u>76.2</u>	<u>67.7</u>	<u>49.0</u>
23. Unit Forced Outage Rate	<u>13.7</u>	<u>5.6</u>	<u>16.4</u>

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):  
Maintenance Outage - November 24, 1984 - 4 Weeks  
Refueling Outage - March 9, 1985 - 7 Weeks

25. If Shut Down At End Of Report Period, Estimated Date of Startup: November 3, 1984

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>

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AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-369  
 UNIT McGuire 1  
 DATE 11/15/84  
 COMPLETED BY J.A. Reavis  
 TELEPHONE 704-373-7567

MONTH October, 1984

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>1 137</u>	17	<u>1 137</u>
2	<u>1 138</u>	18	<u>1 136</u>
3	<u>1 140</u>	19	<u>1 139</u>
4	<u>1 139</u>	20	<u>1 141</u>
5	<u>1 138</u>	21	<u>1 142</u>
6	<u>1 138</u>	22	<u>1 095</u>
7	<u>1 137</u>	23	<u>576</u>
8	<u>1 139</u>	24	<u>667</u>
9	<u>1 139</u>	25	<u>551</u>
10	<u>1 139</u>	26	<u>202</u>
11	<u>1 136</u>	27	<u>- - -</u>
12	<u>1 135</u>	28	<u>- - -</u>
13	<u>1 137</u>	29	<u>337</u>
14	<u>1 140</u>	30	<u>695</u>
15	<u>1 139</u>	31	<u>- - -</u>
16	<u>1 139</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. 50-369  
 UNIT NAME McGuire 1  
 DATE 11/15/84  
 COMPLETED BY J. A. Reavis  
 TELEPHONE 704-373-7567

REPORT MONTH October 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
36-P	84-10-21	S	--	B	--		IB	INSTRU	Preparing for Incore/Excore Calibrations
37-P	84-10-22	F	--	A	--		CH	PUMPXX	Dirty Feedwater Pump Control Oil Filter
38-P	84-10-22	F	--	A	--		AA	HTEXCH	High Lower Containment Temperatures
39-P	84-10-23	F	--	A	--		CH	PUMPXX	Feedwater Pump Control Oil Problem
40-P	84-10-24	F	--	A	--		AA	HTEXCH	High Lower Containment Temperatures
9	84-10-26	F	71.78	A	1		AA	HTEXCH	Rod-out Ventilation Units
10	84-10-30	F	30.03	A	1		SG	XXXXXX	Upper Head Injection Chemistry Problems

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: 11/15/84

NARRATIVE SUMMARY

Month: October 1984

Unit was at 97% power for incore/excore instrumentation calibration when Lower Containment temperature forced unit to plan a shutdown to clean the coolers. The unit was at 50% when Unit 2 tripped, forcing Unit 1 to remain on-line. The unit's "A" feedpump developed problems with the control oil system and prevented the unit from escalating power. Lower Containment temperatures remained high and when unit 2 returned to service, unit 1 shutdown to clean its containment coolers. After the unit returned to service, excessive Nitrogen was discovered in the Upper Head Injection Water accumulator. The unit shutdown to drain and refill the accumulator.

MONTHLY REFUELING INFORMATION REQUEST

1. Facility name: McGuire Unit 1
2. Scheduled next refueling shutdown: March 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 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: November 15, 1984

Name of Contact: J. A. Reavis Phone: 704-373-7567

OPERATING DATA REPORT

DOCKET NO. 50-370  
 DATE 11-15-84  
 COMPLETED BY J.A. Reavis  
 TELEPHONE 704-373-7567

OPERATING STATUS

1. Unit Name: McGuire 2
2. Reporting Period: October 1, 1984-October 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): \_\_\_\_\_
7. Maximum Dependable Capacity (Net MWe): 1180
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.

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	745.0	5 880.0	5 880.0
12. Number Of Hours Reactor Was Critical	687.8	4 838.0	4 838.0
13. Reactor Reserve Shutdown Hours	---	---	---
14. Hours Generator On-Line	684.4	4 805.6	4 805.6
15. Unit Reserve Shutdown Hours	---	---	---
16. Gross Thermal Energy Generated (MWH)	2 260 438	15 828 348	15 828 348
17. Gross Electrical Energy Generated (MWH)	792 780	5 603 564	5 603 564
18. Net Electrical Energy Generated (MWH)	761 721	5 381 573	5 381 573
19. Unit Service Factor	91.9	81.7	81.7
20. Unit Availability Factor	91.9	81.7	81.7
21. Unit Capacity Factor (Using MDC Net)	86.7	77.6	77.6
22. Unit Capacity Factor (Using DER Net)	86.7	77.6	77.6
23. Unit Forced Outage Rate	8.1	17.1	17.1

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

Maintenance Outage - November 15, 1984 - 4 Days  
Refueling Outage - January 1, 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):	Forecast	Achieved
INITIAL CRITICALITY	_____	_____
INITIAL ELECTRICITY	_____	_____
COMMERCIAL OPERATION	_____	_____



AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-370  
 UNIT McGuire 2  
 DATE 11/15/84  
 COMPLETED BY J.A. Reavis  
 TELEPHONE 704-373-7567

MONTH October, 1984

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>1 156</u>	17	<u>1 155</u>
2	<u>1 156</u>	18	<u>1 156</u>
3	<u>1 156</u>	19	<u>1 105</u>
4	<u>1 155</u>	20	<u>1 156</u>
5	<u>1 156</u>	21	<u>1 158</u>
6	<u>1 156</u>	22	<u>1 156</u>
7	<u>1 155</u>	23	<u>201</u>
8	<u>1 155</u>	24	<u>- - - -</u>
9	<u>1 154</u>	25	<u>39</u>
10	<u>1 154</u>	26	<u>1 074</u>
11	<u>1 128</u>	27	<u>1 154</u>
12	<u>1 156</u>	28	<u>1 200</u>
13	<u>679</u>	29	<u>1 149</u>
14	<u>975</u>	30	<u>1 147</u>
15	<u>1 155</u>	31	<u>1 127</u>
16	<u>1 155</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 11/15/84  
 COMPLETED BY J. A. Reavis  
 TELEPHONE 704-373-7567

REPORT MONTH October 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
54-P	84-10-11	S	--	B	-		CC	VALVEX	Turbine Valve Movement Test
55-P	84-10-13	F	--	A	-		CH	VALVEX	Repair Packing on Feedwater Regulating Valve
56-P	84-10-19	F	--	A	-		SF	INSTRU	Repair a Safety Injection Valve
57-P	84-10-19	F	--	A	-		CH	XXXXXX	Feedwater Pump Control Oil Problems
14	84-10-23	F	56.22	A	3		CA	INSTRU	Abraided Cable to Shutdown Bank Controls
15	84-10-25	F	4.40	A	3		CH	PUMPXX	High Discharge Pressure on Feedwater Pump
58-P	84-10-26	F	--	B	-		IB	INSTRU	Nuclear Instrumentation Recalibration
59-P	84-10-31	F	--	A	-		SF	XXXXXX	Upper Head Injection Chemistry Problems

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: 50-370

UNIT: McGuire 2

DATE: 11/15/84

#### NARRATIVE SUMMARY

Month: October 1984

The unit has one turbine valve movement test. A forced reduction occurred when packing on a feedwater reg. valve required repair. Additional problems with a feedpump also kept the unit at reduced load. While performing a Control rod movement PT on 10/19, the "B" shutdown bank moved when the "B" Control Bank was selected. Technicians working on the problem pulled a circuit card and the Shutdown Bank dropped causing a trip. An abraided cable was repaired and two circuit cards were replaced. The unit tripped shortly after startup when the feedpump increased discharge pressure due to a faulty signal, causing the pump to trip along with a turbine/Reactor trip. The unit held at 97% for incore/excore calibration but was forced to reduce power to below 46% by Tech Spec because of excessive Nitrogen in the Upper Head Injection system.

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

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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

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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: November 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 September, no individuals exceeded 10 percent of their allowable annual radiation dose limit.

2. The total station liquid release for September 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 September 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

November 15, 1984

TELEPHONE  
(704) 373-4531

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

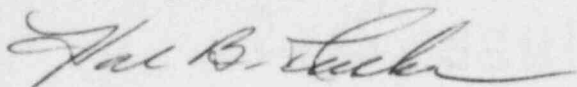
Attention: Document Control Desk

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

INPO Records Center  
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Senior Resident Inspector  
McGuire Nuclear Station

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