

# OPERATING DATA REPORT

DOCKET NO. 50-369  
 DATE 8-15-85  
 COMPLETED BY J.A. Reavis  
 TELEPHONE 704-373-7567

## OPERATING STATUS

1. Unit Name: McGuire 1
2. Reporting Period: July 1, 1985 - July 31, 1985
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>744.0</u>	<u>5 087.0</u>	<u>32 135.0</u>
12. Number Of Hours Reactor Was Critical	<u>744.0</u>	<u>3 414.5</u>	<u>21 578.1</u>
13. Reactor Reserve Shutdown Hours	<u>---</u>	<u>---</u>	<u>---</u>
14. Hours Generator On-Line	<u>744.0</u>	<u>3 329.2</u>	<u>21 291.8</u>
15. Unit Reserve Shutdown Hours	<u>---</u>	<u>---</u>	<u>---</u>
16. Gross Thermal Energy Generated (MWH)	<u>2 344 677</u>	<u>9 199 104</u>	<u>56 003 404</u>
17. Gross Electrical Energy Generated (MWH)	<u>803 912</u>	<u>3 132 180</u>	<u>19 361 405</u>
18. Net Electrical Energy Generated (MWH)	<u>772 998</u>	<u>2 980 560</u>	<u>18 355 815</u>
19. Unit Service Factor	<u>100.0</u>	<u>65.5</u>	<u>66.3</u>
20. Unit Availability Factor	<u>100.0</u>	<u>65.5</u>	<u>66.3</u>
21. Unit Capacity Factor (Using MDC Net)	<u>88.1</u>	<u>49.7</u>	<u>48.4</u>
22. Unit Capacity Factor (Using DER Net)	<u>88.1</u>	<u>49.7</u>	<u>48.4</u>
23. Unit Forced Outage Rate	<u>0.0</u>	<u>11.3</u>	<u>15.4</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	_____	_____
INITIAL ELECTRICITY	_____	_____
COMMERCIAL OPERATION	_____	_____

# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-369  
UNIT McGuire 1  
DATE 8/15/85  
COMPLETED BY J.A. Reavis  
TELEPHONE 704-373-7567

MONTH July, 1985

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>517</u>	17	<u>1 133</u>
2	<u>527</u>	18	<u>1 131</u>
3	<u>536</u>	19	<u>1 133</u>
4	<u>538</u>	20	<u>1 134</u>
5	<u>728</u>	21	<u>1 133</u>
6	<u>1 040</u>	22	<u>1 133</u>
7	<u>1 132</u>	23	<u>1 134</u>
8	<u>1 132</u>	24	<u>1 134</u>
9	<u>1 119</u>	25	<u>1 134</u>
10	<u>1 133</u>	26	<u>1 129</u>
11	<u>1 131</u>	27	<u>1 133</u>
12	<u>1 127</u>	28	<u>1 141</u>
13	<u>1 129</u>	29	<u>1 139</u>
14	<u>1 131</u>	30	<u>1 140</u>
15	<u>1 132</u>	31	<u>1 141</u>
16	<u>1 133</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 I

DATE August 15, 1985

COMPLETED BY J. A. Reavis

TELEPHONE 704-373-7567

REPORT MONTH July, 1985

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
24-p	85-07-01	F	--	A	-		CH	PUMPXX	Feedwater Pump Turbine Alignment Problem
25-p	85-07-05	S	--	F	-		RC	XXXXXX	Power Escalation Testing
26-p	85-07-09	F	--	B	-		IA	INSTRU	Adjust Overpower Delta T Circuitry
27-p	85-07-27	S	--	F	-		CC	VALVEX	Turbine Governor Valve Testing

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: August 15, 1985

#### NARRATIVE SUMMARY

Month: July 1985

McGuire Unit 1 began the month at 52% power with a feedpump out of service. The pump was placed in service and the unit returned to 100% on July 6 where it operated for the balance of the month.

MONTHLY REFUELING INFORMATION REQUEST

1. Facility name: McGuire Unit 1.
2. Scheduled next refueling shutdown: June, 1986.
3. Scheduled restart following refueling: August, 1986.
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). \_\_\_\_\_

- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
7. Number of fuel assemblies (a) in the core: 193.  
(b) in the spent fuel pool: 152.
  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: August 15, 1985.

Name of Contact: J. A. Reavis

Phone: 704-373-7567

# OPERATING DATA REPORT

DOCKET NO. 50-370  
DATE 8-15-85  
COMPLETED BY J.A. Reavis  
TELEPHONE 704-373-7567

## OPERATING STATUS

1. Unit Name: McGuire 2
2. Reporting Period: July 1, 1985-July 31, 1985
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, NUREC-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>744.0</u>	<u>5 087.0</u>	<u>12 431.0</u>
12. Number Of Hours Reactor Was Critical	<u>350.3</u>	<u>2 184.8</u>	<u>8 323.0</u>
13. Reactor Reserve Shutdown Hours	<u>---</u>	<u>---</u>	<u>---</u>
14. Hours Generator On-Line	<u>281.8</u>	<u>2 039.2</u>	<u>8 130.2</u>
15. Unit Reserve Shutdown Hours	<u>---</u>	<u>---</u>	<u>---</u>
16. Gross Thermal Energy Generated (MWH)	<u>949 838</u>	<u>6 592 515</u>	<u>25 963 186</u>
17. Gross Electrical Energy Generated (MWH)	<u>326 022</u>	<u>2 313 748</u>	<u>9 151 471</u>
18. Net Electrical Energy Generated (MWH)	<u>303 645</u>	<u>2 191 369</u>	<u>8 749 169</u>
19. Unit Service Factor	<u>37.9</u>	<u>40.1</u>	<u>65.4</u>
20. Unit Availability Factor	<u>37.9</u>	<u>40.1</u>	<u>65.4</u>
21. Unit Capacity Factor (Using MDC Net)	<u>34.6</u>	<u>36.5</u>	<u>59.7</u>
22. Unit Capacity Factor (Using DER Net)	<u>34.6</u>	<u>36.5</u>	<u>59.7</u>
23. Unit Forced Outage Rate	<u>62.1</u>	<u>43.0</u>	<u>25.0</u>

24. Shutdowns 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: August 2, 1985

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 08/15/85

COMPLETED BY J.A. Reavis

TELEPHONE 704-373-7567

MONTH July, 1985

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>1 146</u>	17	<u>- - - -</u>
2	<u>1 148</u>	18	<u>- - - -</u>
3	<u>1 149</u>	19	<u>- - - -</u>
4	<u>1 149</u>	20	<u>- - - -</u>
5	<u>1 150</u>	21	<u>- - - -</u>
6	<u>1 150</u>	22	<u>- - - -</u>
7	<u>1 150</u>	23	<u>- - - -</u>
8	<u>1 148</u>	24	<u>- - - -</u>
9	<u>1 147</u>	25	<u>- - - -</u>
10	<u>1 147</u>	26	<u>- - - -</u>
11	<u>1 146</u>	27	<u>- - - -</u>
12	<u>270</u>	28	<u>69</u>
13	<u>- - - -</u>	29	<u>33</u>
14	<u>- - - -</u>	30	<u>- - - -</u>
15	<u>- - - -</u>	31	<u>- - - -</u>
16	<u>- - - -</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 August 15, 1985  
 COMPLETED BY J. A Reavis  
 TELEPHONE 704-373-7567

REPORT MONTH July, 1985

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
5	85-07-12	F	381.62	A	3		HA	INSTRU	Generator Phase Differential X-Phase, Channel 1 Relay Actuation
6	85-07-28	F	11.37	A	1		HA	TURBIN	Fan Shaft Vibration
7	85-07-29	F	69.17	A	3		HA	INSTRU	Generator Phase Differential, X-Phase, Channel 1 Relay Actuation

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: August 15, 1985

#### NARRATIVE SUMMARY

Month: July 1985

McGuire 2 began the month at 100% power. The unit tripped on July 12 due to a generator phase differential. The unit returned to service on July 28, but was taken off-line because of shaft vibration. It was placed in service later that day but tripped on July 29 because of a generator phase differential and remained off line through the end of the month.

MONTHLY REFUELING INFORMATION REQUEST

1. Facility name: McGuire Unit 2.
2. Scheduled next refueling shutdown: April, 1986.
3. Scheduled restart following refueling: June, 1986.
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). \_\_\_\_\_  
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7. Number of fuel assemblies (a) in the core: 193.  
(b) in the spent fuel pool: 60.
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: August 15, 1985.

Name of Contact: J. A. Reavis

Phone: 704-373-7567

McGUIRE NUCLEAR STATION

Monthly Operating Status Report

1. Personnel Exposure

For the month of June, 3 individuals exceeded 10 percent of their allowable annual radiation dose limit with the highest dose being 1.360 Rem, which represents approximately 11.3% of that person's allowable annual limit.

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