

# OPERATING DATA REPORT

DOCKET NO. 50-369  
 DATE 9-13-85  
 COMPLETED BY J.A. Reavis  
 TELEPHONE 704-373-7567

## OPERATING STATUS

1. Unit Name: McGuire 1
2. Reporting Period: August 1, 1985-August 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>5 831.0</u>	<u>32 879.0</u>
12. Number Of Hours Reactor Was Critical	<u>744.0</u>	<u>4 158.5</u>	<u>23 322.1</u>
13. Reactor Reserve Shutdown Hours	<u>---</u>	<u>---</u>	<u>---</u>
14. Hours Generator On-Line	<u>744.0</u>	<u>4 073.2</u>	<u>22 035.8</u>
15. Unit Reserve Shutdown Hours	<u>---</u>	<u>---</u>	<u>---</u>
16. Gross Thermal Energy Generated (MWH)	<u>2 533 610</u>	<u>11 732 714</u>	<u>58 537 014</u>
17. Gross Electrical Energy Generated (MWH)	<u>877 943</u>	<u>4 010 123</u>	<u>20 239 348</u>
18. Net Electrical Energy Generated (MWH)	<u>846 162</u>	<u>3 826 722</u>	<u>19 201 977</u>
19. Unit Service Factor	<u>100.0</u>	<u>69.9</u>	<u>67.0</u>
20. Unit Availability Factor	<u>100.0</u>	<u>69.9</u>	<u>67.0</u>
21. Unit Capacity Factor (Using MDC Net)	<u>96.4</u>	<u>55.6</u>	<u>49.5</u>
22. Unit Capacity Factor (Using DER Net)	<u>96.4</u>	<u>55.6</u>	<u>49.5</u>
23. Unit Forced Outage Rate	<u>0.0</u>	<u>9.4</u>	<u>15.0</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	_____	_____

8509190354 850831  
 PDR ADOCK 05000369  
 R PDR

(9/77)

IE24 1/1

# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-369  
UNIT McGuire 1  
DATE 09/13/85  
COMPLETED BY J. A. Reavis  
TELEPHONE 704-373-7567

MONTH August, 1985

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	1 108	17	1 136
2	1 134	18	1 137
3	1 138	19	1 135
4	1 138	20	1 138
5	1 136	21	1 137
6	1 137	22	1 133
7	1 141	23	1 137
8	1 140	24	1 139
9	1 139	25	1 144
10	1 134	26	1 145
11	1 133	27	1 141
12	1 137	28	1 138
13	1 145	29	1 137
14	1 143	30	1 141
15	1 143	31	1 132
16	1 141		

## INSTRUCTIONS

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

## UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-369

UNIT NAME McGuire 1

DATE 9/13/85

COMPLETED BY J. A. Reavis

TELEPHONE 704-373-7567

REPORT MONTH August 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
28-p	85-08-01	F	--	A	--		CC	HEATEX	Moisture Separator/Reheater Shell Relief Leakage Determination
29-p	85-08-31	S	--	B	--		CC	VALVEX	Turbine Control & Stop Valve Movement PT's

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: 9/13/85

NARRATIVE SUMMARY

Month: August 1985

McGuire Unit 1 operated at 100% all through the month of August.

## 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: September 13, 1985 .

Name of Contact: J. A. Reavis

Phone: 704-373-7567

## OPERATING DATA REPORT

DOCKET NO. 50-370  
DATE 9-13-85  
COMPLETED BY J.A. Reavis  
TELEPHONE 704-373-7567

### OPERATING STATUS

- |  |  |
|--|--|
| 1. Unit Name: <u>McGuire 2</u>   | Notes * Nameplate Rating<br>(Gross MWe) calculated as<br>$1450.000 \text{ MVA} \times .90$<br>factor per Page ii of<br>NUREG-0020. |
| 2. Reporting Period: <u>August 1, 1985-August 31, 1985</u>   |  |
| 3. Licensed Thermal Power (MWt): <u>3411</u>   |  |
| 4. Nameplate Rating (Gross MWe): <u>1305*</u>  |  |
| 5. Design Electrical Rating (Net MWe): <u>1180</u>   |  |
| 6. Maximum Dependable Capacity (Gross MWe): _____  |  |
| 7. Maximum Dependable Capacity (Net MWe): <u>1180</u>  |  |
| 8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:<br><u>None</u> |  |

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	744.0	5 831.0	13 175.0
12. Number Of Hours Reactor Was Critical	744.0	2 928.8	9 067.0
13. Reactor Reserve Shutdown Hours	---	---	---
14. Hours Generator On-Line	591.0	2 630.1	8 721.2
15. Unit Reserve Shutdown Hours	---	---	---
16. Gross Thermal Energy Generated (MWH)	1 698 280	8 290 795	27 661 466
17. Gross Electrical Energy Generated (MWH)	568 952	2 882 700	9 720 423
18. Net Electrical Energy Generated (MWH)	539 064	2 730 433	9 288 233
19. Unit Service Factor	79.4	45.1	66.2
20. Unit Availability Factor	79.4	45.1	66.2
21. Unit Capacity Factor (Using MDC Net)	61.4	39.7	59.7
22. Unit Capacity Factor (Using DER Net)	61.4	39.7	59.7
23. Unit Forced Outage Rate	20.6	39.1	24.7

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: \_\_\_\_\_
26. Units In Test Status (Prior to Commercial Operation):
- |                        | Forecast | Achieved |
|------------------------|----------|----------|
| 26.1. In Test Status   |          |          |
| 26.2. In Test Status   |          |          |
| 26.3. In Test Status   |          |          |
| 26.4. In Test Status   |          |          |
| 26.5. In Test Status   |          |          |
| 26.6. In Test Status   |          |          |
| 26.7. In Test Status   |          |          |
| 26.8. In Test Status   |          |          |
| 26.9. In Test Status   |          |          |
| 26.10. In Test Status  |          |          |
| 26.11. In Test Status  |          |          |
| 26.12. In Test Status  |          |          |
| 26.13. In Test Status  |          |          |
| 26.14. In Test Status  |          |          |
| 26.15. In Test Status  |          |          |
| 26.16. In Test Status  |          |          |
| 26.17. In Test Status  |          |          |
| 26.18. In Test Status  |          |          |
| 26.19. In Test Status  |          |          |
| 26.20. In Test Status  |          |          |
| 26.21. In Test Status  |          |          |
| 26.22. In Test Status  |          |          |
| 26.23. In Test Status  |          |          |
| 26.24. In Test Status  |          |          |
| 26.25. In Test Status  |          |          |
| 26.26. In Test Status  |          |          |
| 26.27. In Test Status  |          |          |
| 26.28. In Test Status  |          |          |
| 26.29. In Test Status  |          |          |
| 26.30. In Test Status  |          |          |
| 26.31. In Test Status  |          |          |
| 26.32. In Test Status  |          |          |
| 26.33. In Test Status  |          |          |
| 26.34. In Test Status  |          |          |
| 26.35. In Test Status  |          |          |
| 26.36. In Test Status  |          |          |
| 26.37. In Test Status  |          |          |
| 26.38. In Test Status  |          |          |
| 26.39. In Test Status  |          |          |
| 26.40. In Test Status  |          |          |
| 26.41. In Test Status  |          |          |
| 26.42. In Test Status  |          |          |
| 26.43. In Test Status  |          |          |
| 26.44. In Test Status  |          |          |
| 26.45. In Test Status  |          |          |
| 26.46. In Test Status  |          |          |
| 26.47. In Test Status  |          |          |
| 26.48. In Test Status  |          |          |
| 26.49. In Test Status  |          |          |
| 26.50. In Test Status  |          |          |
| 26.51. In Test Status  |          |          |
| 26.52. In Test Status  |          |          |
| 26.53. In Test Status  |          |          |
| 26.54. In Test Status  |          |          |
| 26.55. In Test Status  |          |          |
| 26.56. In Test Status  |          |          |
| 26.57. In Test Status  |          |          |
| 26.58. In Test Status  |          |          |
| 26.59. In Test Status  |          |          |
| 26.60. In Test Status  |          |          |
| 26.61. In Test Status  |          |          |
| 26.62. In Test Status  |          |          |
| 26.63. In Test Status  |          |          |
| 26.64. In Test Status  |          |          |
| 26.65. In Test Status  |          |          |
| 26.66. In Test Status  |          |          |
| 26.67. In Test Status  |          |          |
| 26.68. In Test Status  |          |          |
| 26.69. In Test Status  |          |          |
| 26.70. In Test Status  |          |          |
| 26.71. In Test Status  |          |          |
| 26.72. In Test Status  |          |          |
| 26.73. In Test Status  |          |          |
| 26.74. In Test Status  |          |          |
| 26.75. In Test Status  |          |          |
| 26.76. In Test Status  |          |          |
| 26.77. In Test Status  |          |          |
| 26.78. In Test Status  |          |          |
| 26.79. In Test Status  |          |          |
| 26.80. In Test Status  |          |          |
| 26.81. In Test Status  |          |          |
| 26.82. In Test Status  |          |          |
| 26.83. In Test Status  |          |          |
| 26.84. In Test Status  |          |          |
| 26.85. In Test Status  |          |          |
| 26.86. In Test Status  |          |          |
| 26.87. In Test Status  |          |          |
| 26.88. In Test Status  |          |          |
| 26.89. In Test Status  |          |          |
| 26.90. In Test Status  |          |          |
| 26.91. In Test Status  |          |          |
| 26.92. In Test Status  |          |          |
| 26.93. In Test Status  |          |          |
| 26.94. In Test Status  |          |          |
| 26.95. In Test Status  |          |          |
| 26.96. In Test Status  |          |          |
| 26.97. In Test Status  |          |          |
| 26.98. In Test Status  |          |          |
| 26.99. In Test Status  |          |          |
| 26.100. In Test Status |          |          |

INITIAL CRITICALITY  
INITIAL ELECTRICITY  
COMMERCIAL OPERATION

Forecast	Achieved
_____	_____
_____	_____
_____	_____

# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-370  
UNIT McGuire 2  
DATE 09/13/85  
COMPLETED BY J. A. Reavis  
TELEPHONE 704-373-7567

MONTH August, 1985

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	- ---	17	433
2	- ---	18	1 142
3	36	19	1 141
4	62	20	1 142
5	277	21	1 142
6	800	22	1 142
7	1 091	23	1 067
8	1 065	24	13
9	996	25	- ---
10	22	26	508
11	- ---	27	1 073
12	660	28	1 142
13	1 140	29	1 145
14	1 068	30	1 146
15	1 038	31	1 147
16	950		

## INSTRUCTIONS

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



## UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-370

UNIT NAME McGuire 2

DATE 9/13/85

COMPLETED BY J. A. Reavis

TELEPHONE 704-373-7567

REPORT MONTH August 1985

Page 1

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
7	85-08-01	F	42.00	A	3		HA	GENERA	Generator Phase Differential, X-Phase, Channel 1 Relay Actuation
17-p	85-08-02	F	--	B	-		HA	GENERA	Generator Vibration Analysis
8	85-08-02	F	4.40	B	4		HA	GENERA	Place Balance Shot on Turbine Generator (Reactor Critical)
9	85-08-03	F	0.08	A	4		HA	GENERA	High Generator Vibration (Reactor Critical)
18-p	85-08-03	F	--	A	-		HA	GENERA	High Generator Vibration
10	85-08-03	F	4.65	B	4		HA	GENERA	Adjust Balance of Exciter Assembly (Reactor Critical)
11	85-08-03	F	3.90	B	4		HA	GENERA	Adjust Turbine/Generator Balance Shot (Reactor Critical)
19-p	85-08-04	F	--	A	-		HA	GENERA	High Generator Vibration
12	85-08-04	F	3.73	B	4		HA	GENERA	Adjust Turbine/Generator Balance Shot (Reactor Critical)
20-p	85-08-05	F	--	B	1		HA	GENERA	Generator Vibration Analysis

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 9/13/85

COMPLETED BY J. A. Reavis

TELEPHONE 704-373-7567

Page 2

REPORT MONTH August 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
21-p	85-08-07	F	--	A	--		HA	GENERA	High Generator Vibration
13	85-08-10	F	39.38	B	4		HA	GENERA	Adjust Turbine/Generator Balance Shot (Reactor Critical)
14	85-08-11	F	4.48	B	4		HA	GENERA	Adjust Turbine/Generator Balance Shot (Reactor Critical)
22-p	85-08-14	F	--	A	--		HA	GENERA	High Generator Vibration
15	85-08-17	F	5.52	B	4		HA	GENERA	Adjust Turbine/Generator Balance Shot (Reactor Critical)
16	85-08-24	F	44.67	B	4		HA	GENERA	Shim Main Generator to Decrease Vibration (Reactor Critical)
17	85-08-26	F	0.22	B	4		CC	VALVEX	Governor Valve Testing (Reactor Critical)
23-p	85-08-26	F	--	A	--		CH	PUMPXX	Repair Cracked Weld on Feedwater Pump Suction Vent
24-p	85-08-26	F	--	B	--		HA	GENERA	Turbine Vibration Measurements
25-p	85-08-27	F	--	B	--		HA	GENERA	Generator Vibration 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: 50-370

UNIT: McGuire 2

DATE: 9/13/85

#### NARRATIVE SUMMARY

Month: August 1985

McGuire Unit 2 began the month in an outage. Repairs were being made to the X phase of the Generator. On its return, the unit's Turbine Generator developed vibration problems which hampered operation throughout the month. On August 26, the unit came off line to perform Generator maintenance and also repair a cracked weld on a Feedpump. The unit finished the month at 100% power.

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

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
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: 61.
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: September 13, 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 July, no individuals exceeded 10 percent of their allowable annual radiation dose limit.

#### 2. The total station liquid release for July 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 July 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

TELEPHONE  
(704) 373-4531

September 13, 1985

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

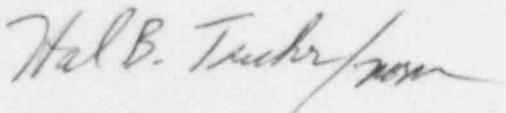
Attention: Document Control Desk

Re: McGuire Nuclear Station  
Docket Nos. 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 August, 1985.

Very truly yours,



Hal B. Tucker

JAR:slb

Attachments

cc: Dr. J. Nelson Grace, Regional Administrator  
U. S. Nuclear Regulatory Commission  
Region II  
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 Hool  
Office of Nuclear Reactor Regulation  
U. S. Nuclear Regulatory Commission  
Washington, D. C. 20555

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

Senior Resident Inspector  
McGuire Nuclear Station

American Nuclear Insurers  
c/o Dottie Sherman, ANI Library  
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Farmington, CT 06032

INPO Records Center  
Suite 1500  
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Atlanta, Georgia 30339

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