

# OPERATING DATA REPORT

DOCKET NO. 50-369  
 DATE 11-15-82  
 COMPLETED BY J. A. Reavis  
 TELEPHONE 704-373-7433

## OPERATING STATUS

1. Unit Name: McGuire Unit 1
2. Reporting Period: October 1, 1982-October 31, 1982
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 \*NOTE: 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>745.0</u>	<u>7296.0</u>	<u>8040.0</u>
12. Number Of Hours Reactor Was Critical	<u>729.5</u>	<u>6038.3</u>	<u>6084.0</u>
13. Reactor Reserve Shutdown Hours	<u>---</u>	<u>---</u>	<u>---</u>
14. Hours Generator On-Line	<u>728.0</u>	<u>5997.7</u>	<u>6043.3</u>
15. Unit Reserve Shutdown Hours	<u>---</u>	<u>---</u>	<u>---</u>
16. Gross Thermal Energy Generated (MWH)	<u>1 338 949</u>	<u>11 623 747</u>	<u>11 708 702</u>
17. Gross Electrical Energy Generated (MWH)	<u>461 892</u>	<u>3 983 587</u>	<u>4 012 023</u>
18. Net Electrical Energy Generated (MWH)	<u>432 639</u>	<u>3 733 708</u>	<u>3 752 764</u>
19. Unit Service Factor	<u>97.7</u>	<u>82.2</u>	<u>75.2</u>
20. Unit Availability Factor	<u>97.7</u>	<u>82.2</u>	<u>75.2</u>
21. Unit Capacity Factor (Using MDC Net)	<u>49.2</u>	<u>43.4</u>	<u>39.6</u>
22. Unit Capacity Factor (Using DER Net)	<u>49.2</u>	<u>43.4</u>	<u>39.6</u>
23. Unit Forced Outage Rate	<u>2.3</u>	<u>17.8</u>	<u>24.8</u>
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): <u>Eddy Current Testing - November 5 - 2 Weeks</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

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

DOCKET NO. 50-369  
UNIT McGuire 1  
DATE 11-15-82

**AVERAGE DAILY UNIT POWER LEVEL**

MONTH October, 1982

DAY	AVERAGE DAILY POWER LEVEL (MWe-net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-net)
1	<u>549</u>	17	<u>548</u>
2	<u>551</u>	18	<u>684</u>
3	<u>551</u>	19	<u>549</u>
4	<u>774</u>	20	<u>549</u>
5	<u>867</u>	21	<u>550</u>
6	<u>865</u>	22	<u>551</u>
7	<u>864</u>	23	<u>412</u>
8	<u>831</u>	24	<u>108</u>
9	<u>547</u>	25	<u>498</u>
10	<u>546</u>	26	<u>552</u>
11	<u>548</u>	27	<u>553</u>
12	<u>548</u>	28	<u>555</u>
13	<u>548</u>	29	<u>555</u>
14	<u>548</u>	30	<u>555</u>
15	<u>545</u>	31	<u>554</u>
16	<u>549</u>		

**DAILY UNIT POWER LEVEL FORM INSTRUCTIONS**

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

These figures will be used to plot a graph for each reporting month. Note that by using maximum dependable capacity for the net electrical rating of the unit, there may be occasions when the daily average power level exceeds the 100% line (or the restricted power level line). In such cases, the average daily unit power output sheet should be footnoted to explain the apparent anomaly.

## UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH October, 1982

DOCKET NO. 50-369  
 UNIT NAME McGuire 1  
 DATE 11/15/82  
 COMPLETED BY J. A. Reavis  
 TELEPHONE 704-373-7433

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
14-P	82/10/01	F	--	H	--		CB	HTEXCH	Operation at 75% power completed by 10/18. Unit operated at 50% power remainder of month.
19	82/10/23	F	16.97	H	1		SB	XXXXXX	Shutdown unit to install spray system to assist the lower containment ventilation system maintain temperature.

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

<sup>2</sup>  
 Reason:  
 A-Equipment Failure (Explain)  
 B-Maintenance of 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 C - Instructions  
 for Preparation of Data  
 Entry Sheets for Licensee  
 Event Report (LER) File (NUREG-  
 0161)

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

MONTHLY REFUELING INFORMATION REQUEST

1. Facility name: McGuire Unit 1.
2. Scheduled next refueling shutdown: January, 1984.
3. Scheduled restart following refueling: \_\_\_\_\_.
4. Will refueling or resumption of operation thereafter require a technical specification change or other license amendment? N/A.  
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: 27.
8. Present licensed fuel pool capacity: 500.  
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, 1982.

Name of Contact: J. A. Reavis

Phone: 704-373-7433

DOCKET NO: 50-369  
UNIT: McGuire 1  
DATE: 11/15/82

NARRATIVE SUMMARY

Month: October, 1982

McGuire 1 entered the month at 50% power. Up to 123 hours between 50% and 75% power remained at that time. This time was utilized from October 4 to October 8, and on October 18. The remainder of the month power was limited to 50%.

Saturday, October 23, the unit shutdown to install a spray system to assist the lower containment ventilation system in maintaining lower containment temperature. The unit returned to service October 24.

McGuire 1 ended the month at 50% power and will be limited to that level until further analysis of the steam generator is complete.

McGUIRE NUCLEAR STATION

Operating Status Report

1. Personnel Exposure

For the month of September, 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 September has been compared with the Technical Specifications annual value of 3 mrem; the total release for September was less than 10 percent of this limit.

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