



Duke Power  
526 South Church Street  
P.O. Box 1006  
Charlotte, NC 28201-1006

March 15, 2001

U.S Nuclear Regulatory Commission  
Attention: Document Control Desk  
Washington, D.C. 20555

Subject: Duke Energy Corporation  
McGuire Nuclear Station, Units 1 and 2  
Docket Numbers 50-369 and 50-370  
Monthly Performance and Operation Status-February, 2001

Please find attached information concerning the performance and operation status of the McGuire Nuclear Station for the month of February, 2001.

Any questions or comments December be directed to Roger A. Williams at (704) 382-5346.

Sincerely,

Terry Dimmery, Manager  
Nuclear Business Support

Attachment  
XC:

L. A. Reyes, Regional Administrator  
USNRC, Region II

Frank Rinaldi, Project Manager  
USNRC, ONRR

INPO Records Center

Ms. Margaret Aucoin  
Nuclear Assurance Corporation

Dottie Sherman, ANI Library  
American Nuclear Insurers

Scott Schaeffer, Senior Resident Inspector

IE24

Document Control Desk  
U.S. NRC - McGuire

bxc:

M. T. Cash (MG01RC)  
RGC Site Licensing File  
ELL (EC050)

# Operating Data Report

Docket No. 50-369  
 Date March 15, 2001  
 Completed By Roger Williams  
 Telephone 704-382-5346

## Operating Status

1. Unit Name: McGuire 1
2. Reporting Period: February 1, 2001 - February 28, 2001
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): 1144
7. Maximum Dependable Capacity(Net MWe): 1100
8. If Changes Occured in Capacity Ratings (Items Number 3-7) Since Last Report, Give Reasons:

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

9. Power Level To Which Restricted, If Any (Net MWe): \_\_\_\_\_

10. Reason for Restrictions, If any: \_\_\_\_\_

	This Month	YTD	Cumulative
11. Hours in Reporting Period	672.0	1416.0	168720.0
12. Number of Hours Reactor was Critical	672.0	1293.0	128467.2
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	672.0	1282.3	127253.9
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	2245359	13386792	417050268
17. Gross Electrical Energy Generated (MWH)	792381	1507092	140543958
18. Net Electrical Energy Generated (MWH)	766186	1453225	134583294
19. Unit Service Factor	100.0	90.6	75.4
20. Unit Availability Factor	100.0	90.6	75.4
21. Unit Capacity Factor (Using MDC Net)	103.7	93.3	70.1
22. Unit Capacity Factor (Using DER Net)	96.6	87.0	67.6
23. Unit Forced Outage Rate	0.0	9.4	10.3
24. Shutdown Scheduled Over Next 6 Months (Type, Date and Duration of Each)			

25. If ShutDown 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	_____	_____

### UNIT SHUTDOWNS

**DOCKET NO.** 50-369

**UNIT NAME:** McGuire 1

**DATE:** March 15, 2001

**COMPLETED BY:** Roger Williams

**TELEPHONE:** 704-382-5346

**REPORT MONTH:** February, 2001

No.	Date:	Type F - Forced S - Scheduled	Duration Hours	(1) Reason	(2) Method of Shutdown R/X	Licensed Event Report No.	Cause and Corrective Action to Prevent Recurrence
			<b>No</b>	<b>Outages</b>	<b>for the Month</b>		

**Summary:**

**(1) Reason**

- A - Equipment failure (Explain)
- B - Maintenance or Test
- C - Refueling
- D - Regulatory restriction
- E - Operator Training/License Examination
- F - Administrative
- G - Operator Error (Explain)
- H - Other (Explain)

**(2) Method**

- 1 - Manual
- 2 - Manual Trip/Scram
- 3 - Automatic Trip/Scram
- 4 - Continuation
- 5 - Other (Explain)



# Operating Data Report

Docket No. 50-370  
 Date March 15, 2001  
 Completed By Roger Williams  
 Telephone 704-382-5346

## Operating Status

1. Unit Name: McGuire 2
2. Reporting Period: February 1, 2001 - February 28, 2001
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): 1144
7. Maximum Dependable Capacity(Net MWe): 1100
8. If Changes Occured in Capacity Ratings (Items Number 3-7) Since Last Report, Give Reasons:

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

9. Power Level To Which Restricted, If Any (Net MWe): \_\_\_\_\_

10. Reason for Restrictions, If any: \_\_\_\_\_

	This Month	YTD	Cumulative
11. Hours in Reporting Period	672.0	1416.0	149016.0
12. Number of Hours Reactor was Critical	672.0	1416.0	120532.1
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	672.0	1416.0	119309.0
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	2289205	18195351	406017762
17. Gross Electrical Energy Generated (MWH)	805396	1691552	136736067
18. Net Electrical Energy Generated (MWH)	776839	1632005	131223241
19. Unit Service Factor	100.0	100.0	80.1
20. Unit Availability Factor	100.0	100.0	80.1
21. Unit Capacity Factor (Using MDC Net)	105.1	104.8	77.8
22. Unit Capacity Factor (Using DER Net)	98.0	97.7	74.6
23. Unit Forced Outage Rate	0.0	0.0	6.0
24. Shutdown Scheduled Over Next 6 Months (Type, Date and Duration of Each)			

25. If ShutDown 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	_____	_____

### UNIT SHUTDOWNS

**DOCKET NO.** 50-370  
**UNIT NAME:** McGuire 2  
**DATE:** March 15, 2001  
**COMPLETED BY:** Roger Williams  
**TELEPHONE:** 704-382-5346

**REPORT MONTH:** February, 2001

No.	Date:	Type F - Forced S - Scheduled	Duration Hours	(1) Reason	(2) Method of Shutdown R/X	Licensed Event Report No.	Cause and Corrective Action to Prevent Recurrence
			<b>No</b>	<b>Outages</b>	<b>for the Month</b>		

**Summary:**

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**(2) Method**

- 1 - Manual
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- 3 - Automatic Trip/Scram
- 4 - Continuation
- 5 - Other (Explain)



McGUIRE NUCLEAR STATION

MONTHLY OPERATING STATUS REPORT

JANUARY 2001

1. Personnel Exposure -

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