



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

April 12, 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-March, 2001

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

Any questions or comments may 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 April 12, 2001  
 Completed By Roger Williams  
 Telephone 704-382-5346

## Operating Status

1. Unit Name: McGuire 1
2. Reporting Period: March 1, 2001 - March 31, 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 (Gross MWe) 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	744.0	2160.0	169464.0
12. Number of Hours Reactor was Critical	216.7	1509.7	128683.9
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	215.6	1497.9	127469.4
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	651027	17844828	421508304
17. Gross Electrical Energy Generated (MWH)	229973	1737065	140773931
18. Net Electrical Energy Generated (MWH)	218702	1671927	134801996
19. Unit Service Factor	29.0	69.3	75.2
20. Unit Availability Factor	29.0	69.3	75.2
21. Unit Capacity Factor (Using MDC Net)	26.7	70.4	70.0
22. Unit Capacity Factor (Using DER Net)	24.9	65.6	67.4
23. Unit Forced Outage Rate	0.0	8.2	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. 50-369UNIT NAME: McGuire 1DATE: April 12, 2001COMPLETED BY: Roger WilliamsTELEPHONE: 704-382-5346REPORT MONTH: March, 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
2	03/09/01	S	528.45	C	1		END-OF-CYCLE 14 REFUELING OUTAGE

**Summary:**

McGuire unit 1 began the month of March operating at approximately 94.5% power coasting down to end-of-cycle 14 refueling outage. The unit held at approximately 12% to 15% power on 03/09/01 from 2316 to 2333. The unit was taken off line 03/09/01 at 2333 to begin end-of-cycle 14 refueling outage. The unit was in the refueling outage the remainder of the month.

**(1) Reason**

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

**(2) Method**

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

### MONTHLY REFUELING INFORMATION REQUEST

1. Facility name: McGuire Unit 1
2. Scheduled next refueling shutdown: Currently Refueling
3. Scheduled restart following refueling: April 2001

THE PROJECT MANAGER HAS BEEN ADVISED BY SEPARATE COMMUNICATION OF ANY T.S. CHANGE OR LICENSE AMENDMENT. THEREFORE, QUESTIONS 4 THROUGH 6 WILL NO LONGER BE MAINTAINED IN THIS REPORT.

4. Will refueling or resumption of operation thereafter require a technical specification change or other license amendment?

If yes, what will these be?

If no, has reload design and core configuration been reviewed by Safety Review Committee regarding unreviewed safety questions?

5. Scheduled date(s) for submitting proposed licensing action and supporting information.
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: 1027
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 license capacity:  
November 2005

DUKE POWER COMPANY

DATE: April 12, 2001

Name of Contact: R. A. Williams

Phone: (704) - 382-5346

# Operating Data Report

Docket No. 50-370  
 Date April 12, 2001  
 Completed By Roger Williams  
 Telephone 704-382-5346

## Operating Status

1. Unit Name: McGuire 2
2. Reporting Period: March 1, 2001 - March 31, 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 (Gross MWe) 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	744.0	2160.0	149760.0
12. Number of Hours Reactor was Critical	744.0	2160.0	121276.1
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	744.0	2160.0	120053.0
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	2534426	25187813	413010224
17. Gross Electrical Energy Generated (MWH)	889036	2580588	137625103
18. Net Electrical Energy Generated (MWH)	856745	2488750	132079986
19. Unit Service Factor	100.0	100.0	80.2
20. Unit Availability Factor	100.0	100.0	80.2
21. Unit Capacity Factor (Using MDC Net)	104.7	104.7	77.9
22. Unit Capacity Factor (Using DER Net)	97.6	97.6	74.7
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. 50-370UNIT NAME: McGuire 2DATE: April 12, 2001COMPLETED BY: Roger WilliamsTELEPHONE: 704-382-5346REPORT MONTH: March, 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
			No	Outages	for the Month		

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

3 - Automatic Trip/Scram

5 - Other (Explain)

2 - Manual Trip/Scram

4 - Continuation

MONTHLY REFUELING INFORMATION REQUEST

1. Facility name: McGuire Unit 2
2. Scheduled next refueling shutdown: February 2002
3. Scheduled restart following refueling: March 2002

THE PROJECT MANAGER HAS BEEN ADVISED BY SEPARATE COMMUNICATION OF ANY T.S. CHANGE OR LICENSE AMENDMENT. THEREFORE, QUESTIONS 4 THROUGH 6 WILL NO LONGER BE MAINTAINED IN THIS REPORT.

4. Will refueling or resumption of operation thereafter require a technical specification change or other license amendment?

If yes, what will these be?

If no, has reload design and core configuration been reviewed by Safety Review Committee regarding unreviewed safety questions?

5. Scheduled date(s) for submitting proposed licensing action and supporting information.
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: 1169
  - (c) in the ISFSI: 32
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 license capacity:  
June 2003

DUKE POWER COMPANY

DATE: April 12, 2001

Name of Contact: R. A. Williams

Phone: (704) - 382-5346



McGUIRE NUCLEAR STATION

MONTHLY OPERATING STATUS REPORT

FEBRUARY 2001

1. Personnel Exposure -

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