



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

January 15, 2002


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-December, 2001

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

TE24

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	January 15, 2002
Completed By	Roger Williams
Telephone	704-382-5346

## Operating Status

1. Unit Name: McGuire 1
2. Reporting Period: December 1, 2001 - December 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 (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	744.0	8760.0	176064.0
12. Number of Hours Reactor was Critical	744.0	7756.8	134931.0
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	744.0	7709.1	133680.7
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	2535813	83245444	486908920
17. Gross Electrical Energy Generated (MWH)	890955	9016884	148053750
18. Net Electrical Energy Generated (MWH)	859414	8684941	141815010
19. Unit Service Factor	100.0	88.0	75.9
20. Unit Availability Factor	100.0	88.0	75.9
21. Unit Capacity Factor (Using MDC Net)	105.0	90.1	70.9
22. Unit Capacity Factor (Using DER Net)	97.9	84.0	68.3
23. Unit Forced Outage Rate	0.0	1.7	9.8
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: January 15, 2002COMPLETED BY: Roger WilliamsTELEPHONE: 704-382-5346REPORT MONTH: December, 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  
 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: September 2002
3. Scheduled restart following refueling: October 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: 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: January 15, 2002

Name of Contact: R. A. Williams

Phone: (704) - 382-5346

# Operating Data Report

Docket No.	50-370
Date	January 15, 2002
Completed By	Roger Williams
Telephone	704-382-5346

## Operating Status

1. Unit Name: McGuire 2
2. Reporting Period: December 1, 2001 - December 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	8760.0	156360.0
12. Number of Hours Reactor was Critical	744.0	8702.8	127818.9
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	744.0	8698.8	126591.8
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	2498622	112814024	500636435
17. Gross Electrical Energy Generated (MWH)	871750	10252024	145296539
18. Net Electrical Energy Generated (MWH)	840396	9878043	139469279
19. Unit Service Factor	100.0	99.3	81.0
20. Unit Availability Factor	100.0	99.3	81.0
21. Unit Capacity Factor (Using MDC Net)	102.7	102.5	78.9
22. Unit Capacity Factor (Using DER Net)	95.7	95.6	75.6
23. Unit Forced Outage Rate	0.0	0.7	5.7
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: January 15, 2002COMPLETED BY: Roger WilliamsTELEPHONE: 704-382-5346REPORT MONTH: December, 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: <u>193</u>
(b)	in the spent fuel pool: <u>1041</u>
(c)	in the ISFSI: <u>160</u>
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: January 15, 2002

Name of Contact: R. A. Williams

Phone: (704) - 382-5346



McGUIRE NUCLEAR STATION

MONTHLY OPERATING STATUS REPORT

NOVEMBER 2001

1. Personnel Exposure -

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