



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

May 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-April, 2002

Please find attached information concerning the performance and operation status of the McGuire Nuclear Station for the month of April, 2002 and REVISION 1 of the Monthly Refueling Page report date for March, 2002.

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:

C. J. Thomas (MG01RC)
RGC Site Licensing File
ELL (EC050)

Operating Data Report

Docket No. 50-369
 Date May 15, 2002
 Completed By Roger Williams
 Telephone 704-382-5346

Operating Status

1. Unit Name: McGuire 1
2. Reporting Period: April 1, 2002 - April 30, 2002
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	719.0	2879.0	178943.0
12. Number of Hours Reactor was Critical	719.0	2817.1	137748.2
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	719.0	2810.7	136491.3
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	2450316	29370670	459022416
17. Gross Electrical Energy Generated (MWH)	858131	3351160	151404910
18. Net Electrical Energy Generated (MWH)	828069	3231771	145046781
19. Unit Service Factor	100.0	97.6	76.3
20. Unit Availability Factor	100.0	97.6	76.3
21. Unit Capacity Factor (Using MDC Net)	104.7	102.0	71.4
22. Unit Capacity Factor (Using DER Net)	97.6	95.1	68.7
23. Unit Forced Outage Rate	0.0	2.4	9.7
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	_____	_____

Operating Data Report

Docket No.	<u>50-370</u>
Date	<u>May 15, 2002</u>
Completed By	<u>Roger Williams</u>
Telephone	<u>704-382-5346</u>

Operating Status

1. Unit Name: McGuire 2
2. Reporting Period: April 1, 2002 - April 30, 2002
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	719.0	2879.0	159239.0
12. Number of Hours Reactor was Critical	719.0	2121.7	129940.5
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	719.0	2103.6	128695.4
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	2450925	36359348	453750339
17. Gross Electrical Energy Generated (MWH)	857081	2442818	147739357
18. Net Electrical Energy Generated (MWH)	828229	2349092	141818371
19. Unit Service Factor	100.0	73.1	80.8
20. Unit Availability Factor	100.0	73.1	80.8
21. Unit Capacity Factor (Using MDC Net)	104.7	74.2	78.8
22. Unit Capacity Factor (Using DER Net)	97.6	69.1	75.5
23. Unit Forced Outage Rate	0.0	5.7	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. 50-370

UNIT NAME: McGuire 2

DATE: May 15, 2002

COMPLETED BY: Roger Williams

TELEPHONE: 704-382-5346

REPORT MONTH: April, 2002

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 2
2. Scheduled next refueling shutdown: September 2003
3. Scheduled restart following refueling: October 2003

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: 1041
(c) in the ISFSI: 160
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: May 15, 2002

Name of Contact: R. A. Williams

Phone: (704) - 382-5346

McGUIRE NUCLEAR STATION

MONTHLY OPERATING STATUS REPORT

MARCH 2002

1. Personnel Exposure -

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

REVISION 1

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: April 15, 2002

Name of Contact: R. A. Williams

Phone: (704) - 382-5346

REVISION 1

MONTHLY REFUELING INFORMATION REQUEST

1. Facility name: McGuire Unit 2
2. Scheduled next refueling shutdown: September 2003
3. Scheduled restart following refueling: October 2003

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.

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If yes, what will these be?

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

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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: 1041
(c) in the ISFSI: 160
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 15, 2002

Name of Contact: R. A. Williams

Phone: (704) - 382-5346