



Duke Power
526 South Church Street
P.O. Box 1006
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April 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-March, 2002

Please find attached information concerning the performance and operation status of the McGuire Nuclear Station for the month of March, 2002.

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

Sincerely,

Terry Dimmery by David Patton
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
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IE24

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U.S. NRC - McGuire

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

UNIT SHUTDOWNS

DOCKET NO. 50-369UNIT NAME: McGuire 1DATE: April 15, 2002COMPLETED BY: Roger WilliamsTELEPHONE: 704-382-5346REPORT MONTH: March, 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
1	03/04/02	F	68.32	A	1		STEAM GENERATOR REGULATING VALVE FAILED CLOSED

Summary:

McGuire unit 1 began the month of March operating at approximately 100% full power. On 03/04/02 at 0842 the unit was manually tripped due to the steam generator regulating valve failing closed. The unit was placed on-line 03/07/02 at 0501. The unit held at 90% power on 03/08/02 at 0115 to 03/08/02 at 0200 due to nuclear instrumentation calibration. The unit returned to 100% full power on 03/08/02 at 1900 and operated at or near 100% full power the remainder of the month.

(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

Operating Data Report

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

Operating Status

1. Unit Name: McGuire 2
2. Reporting Period: March 1, 2002 - March 31, 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	744.0	2160.0	158520.0
12. Number of Hours Reactor was Critical	131.7	1402.7	129221.5
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	113.6	1384.6	127976.4
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	237130	27724440	445115431
17. Gross Electrical Energy Generated (MWH)	78476	1585737	146882276
18. Net Electrical Energy Generated (MWH)	67450	1520863	140990142
19. Unit Service Factor	15.3	64.1	80.7
20. Unit Availability Factor	15.3	64.1	80.7
21. Unit Capacity Factor (Using MDC Net)	8.2	64.0	78.7
22. Unit Capacity Factor (Using DER Net)	7.7	59.7	75.4
23. Unit Forced Outage Rate	52.7	8.4	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: April 15, 2002COMPLETED BY: Roger WilliamsTELEPHONE: 704-382-5346REPORT MONTH: March, 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
1	03/01/02	S	503.00	C	4		END-OF-CYCLE 14 REFUELING OUTAGE
2	03/21/02	F	126.65	A	4		OUTAGE DELAY OF 5.28 DAYS DUE TO REACTOR VESSEL CONTROL ROD DRIVE TUBE LEAK
3	03/27/02	S	0.78	B	--		TURBINE OVERSPEED TRIP TEST

Summary:

McGuire unit 2 began the month in end-of-cycle 14 refueling outage. The end-of-cycle 14 refueling outage spanned 32.28 days. The outage was delayed approximately 5.28 days due to reactor vessel control rod drive tube leak. The unit was placed on-line 03/27/02 at 0539 holding at approximately 14% power to perform the turbine overspeed trip test. The unit was taken off-line 03/27/02 at 0915 for the turbine overspeed trip test. The unit was placed on-line 03/27/02 at 1002. The unit held at 30% power from 03/27/02 at 1434 to 2349 due to power escalation testing. The unit held at 35% power from 03/28/02 at 0021 to 0124 due to secondary chemistry. The unit decreased power, and held at 30% power from 0153 to 0243 due to secondary O2 concentration above action II level. The unit began increasing power and held at 33% power from 0302 to 0332 due to reaching action level II on O2 concentration on secondary side. The unit held at 78% power from 03/29/02 at 2126 to 03/30/02 at 0748 due to power escalation testing. On 03/30/02 at 1830 the unit held at 90% power due to grid low demand until 03/31/02 at 0800. The unit returned to 100% full power on 03/31/02 at 1143 and operated at or near 100% full power the remainder of the month.

(1) Reason

A - Equipment failure (Explain)

B - Maintenance or Test

C - Refueling

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E - Operator Training/License Examination

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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: March 13, 2002

Name of Contact: R. A. Williams

Phone: (704) - 382-5346

McGUIRE NUCLEAR STATION

MONTHLY OPERATING STATUS REPORT

FEBRUARY 2002

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.