



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

May 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-April, 2001

Please find attached information concerning the performance and operation status of the McGuire Nuclear Station for the month of April, 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. 50-370
 Date May 15, 2001
 Completed By Roger Williams
 Telephone 704-382-5346

Operating Status

1. Unit Name: McGuire 2
2. Reporting Period: April 1, 2001 - April 30, 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	719.0	2879.0	150479.0
12. Number of Hours Reactor was Critical	719.0	2879.0	121995.1
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	719.0	2879.0	120772.0
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	2450463	32418335	420240746
17. Gross Electrical Energy Generated (MWH)	856846	3437434	138481949
18. Net Electrical Energy Generated (MWH)	826685	3315435	132906671
19. Unit Service Factor	100.0	100.0	80.3
20. Unit Availability Factor	100.0	100.0	80.3
21. Unit Capacity Factor (Using MDC Net)	104.5	104.7	78.1
22. Unit Capacity Factor (Using DER Net)	97.4	97.6	74.8
23. Unit Forced Outage Rate	0.0	0.0	5.9
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: May 15, 2001COMPLETED BY: Roger WilliamsTELEPHONE: 704-382-5346REPORT MONTH: April, 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: 1137
 (c) in the ISFSI: 64
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, 2001

Name of Contact: R. A. Williams

Phone: (704) - 382-5346

Operating Data Report

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

Operating Status

1. Unit Name: McGuire 1
2. Reporting Period: April 1, 2001 - April 30, 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	719.0	2879.0	170183.0
12. Number of Hours Reactor was Critical	366.2	1875.8	129050.0
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	330.2	1828.1	127799.7
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	1010029	22624887	426288363
17. Gross Electrical Energy Generated (MWH)	348975	2086040	141122906
18. Net Electrical Energy Generated (MWH)	330764	2002691	135132760
19. Unit Service Factor	45.9	63.5	75.1
20. Unit Availability Factor	45.9	63.5	75.1
21. Unit Capacity Factor (Using MDC Net)	41.8	63.2	69.8
22. Unit Capacity Factor (Using DER Net)	39.0	59.0	67.3
23. Unit Forced Outage Rate	0.0	6.8	10.2
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: May 15, 2001COMPLETED BY: Roger WilliamsTELEPHONE: 704-382-5346REPORT MONTH: April, 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	04/01/01	S	387.58	C	4		END-OF-CYCLE 14 REFUELING OUTAGE
3	04/17/01	S	1.20	B	--		TURBINE OVERSPEED TRIP TEST

Summary:

The unit began the month of April in end-of-cycle 14 refueling outage. The end-of-cycle 14 refueling outage spanned 38.17 days. The unit was placed on-line 04/17/01 at 0435 and increased to 17.5% power and held from 04/17/01 at 0533 to 0747 to perform the turbine overspeed trip test. The unit decreased power and performed the turbine overspeed trip test on 04/17/01 at 0841. The unit was placed on-line 04/17/01 at 0953. The unit increased power and held at 30% power from 1552 to 04/18/01 at 0208 due to secondary chemistry check, flux mapping and auxiliary feedwater flow balance testing. The unit held at 45.9% power from 1050 to 1216 to remove "C" heater drain tank pumps from service. The unit held at 48% power from 1330 to 1418 to adjust nuclear instrumentation system. The unit held at 53% power from 1654 to 2125 to troubleshoot steam generator "C" narrow range channel 1 problem. On 04/19/01 from 0919 to 1811 the unit held at 78% power due to flux mapping. The unit increased to 90% power and held from 04/19/01 at 2306 to 04/20/01 at 1054 due to delta T adjustments. The unit returned to 100% full power on 04/22/01 at 0053 and operated at or near 100% full power 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: 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: May 15, 2001

Name of Contact: R. A. Williams

Phone: (704) - 382-5346

McGUIRE NUCLEAR STATION

MONTHLY OPERATING STATUS REPORT

MARCH 2001

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.