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

December 14, 1999

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-November, 1999

Please find attached information concerning the performance and operation status of the McGuire Nuclear Station for the month of November, 1999.

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
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D. M. Patton (EC07C)
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RGC Site Licensing File
ELL (EC05O)

Operating Data Report

Docket No. 50-369
Date December 14,1999
Completed By Roger Williams
Telephone 704-382-5346

Operating Status

1. Unit Name: McGuire 1
2. Reporting Period: November 1, 1999 - November 30, 1999
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	720.0	8016.0	157776.0
12. Number of Hours Reactor was Critical	631.3	6869.0	117674.0
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	602.5	6840.2	116485.9
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	1919575	78581710	426919993
17. Gross Electrical Energy Generated (MWH)	669500	8054395	127809236
18. Net Electrical Energy Generated (MWH)	640242	7754702	122301637
19. Unit Service Factor	83.7	85.3	73.8
20. Unit Availability Factor	83.7	85.3	73.8
21. Unit Capacity Factor (Using MDC Net)	80.8	87.9	68.0
22. Unit Capacity Factor (Using DER Net)	75.4	82.0	65.7
23. Unit Forced Outage Rate	16.2	2.4	11.0

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)

	Forcast	Achieved
Initial Criticality		
Initial Electricity		
Commercial Operation		

UNIT SHUTDOWNS

DOCKET NO. 50-369
UNIT NAME: McGuire 1
DATE: December 14, 1999
COMPLETED BY: Roger Williams
TELEPHONE: 704-382-5346

REPORT MONTH: November, 1999

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	11/01/99	F	104.85	A	4		6.47 DAY OUTAGE DELAY DUE TO CONTROL ROD DRIVE MECHANISM SPLIT PIN REPLACEMENT
3	11/05/99	F	12.00	A	4		0.50 DAY OUTAGE DELAY DUE TO TURBINE CONTROL SYSTEM PROBLEM
4	11/06/99	S	0.67	B	- -		TURBINE OVERSPEED TRIP TEST

Summary:

The unit began the month of November in end-of-cycle 13 refueling outage. The end-of-cycle 13 refueling outage spanned 48.97 days. The refueling outage was delayed for the following reasons; 6.47 days due to control rod drive mechanism split pin replacement and 0.50 day outage delay due to a turbine control system problems. The unit was placed on-line 11/05/99 at 2051 and increased power to approximately 7% power and held from 2221 to 11/06/99 at 0051 due to main turbine soak. The unit was taken off-line on 11/06/99 at 0126 to perform the turbine overspeed trip test. On 11/06/99 at 0206 the unit was placed on-line. During power escalation, the unit held at 29.3% power from 0744 to 1158 due to secondary chemistry, flux mapping and auxiliary feedwater flow balance. The unit decreased power on 11/06/99 at 1158 for auxiliary feedwater pump testing. The unit resumed power escalation on 11/06/99 at 1429 and held at 78% power 11/07/99 from 1109 to 1634 due to flux mapping. The unit held at 89.2% power from 2014 to 11/08/99 at 0253 to check core thermal output and delta-T's. (**Cont'd Page 2**)

(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)

UNIT SHUTDOWNS

DOCKET NO. 50-369
UNIT NAME: McGuire 1
DATE: December 13, 1999
COMPLETED BY: Roger Williams
TELEPHONE: 704-382-5346

REPORT MONTH: November, 1999

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

Summary:

The unit returned to 100% full power on 11/08/99 at 0710 and operated at or near 100% full power until 11/12/99 at 2332, when the unit began decreasing power due to loss of condenser vacuum. The unit held at 86% power from 11/13/99 at 0012 to 0237 due to waterlogged air ejectors which resulted in a loss of condenser vacuum. The unit returned to 100% full power on 11/13/99 at 0719 and operated at or near 100% full power until 11/20/99 at 1043 when the unit began decreasing power to troubleshoot/work on generator cooling water due to high temperature and differential pressure concerns and held at 91% power from 11/20/99 at 1225 to to 11/21/99 at 1836. The unit increased load to 96% power to monitor generator stator temperatures and held from 2034 to 11/27/99 at 0859. On 11/27/99 at 0859 the unit began decreasing power and held at 91% power from 0954 to 11/30/99 at 2400 to monitor main generator stator temperatures. The unit ended the month operating at 91% power due to monitoring generator stator temperatures .

(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: March 2001

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: 951

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: December 14, 1999

Name of Contact: R. A. Williams Phone: (704) - 382-5346

Operating Data Report

Docket No.	50-370
Date	December 14,1999
Completed By	Roger Williams
Telephone	704-382-5346

Operating Status

1. Unit Name: McGuire 2
2. Reporting Period: November 1, 1999 - November 30, 1999
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	720.0	8016.0	138072.0
12. Number of Hours Reactor was Critical	720.0	7214.2	110587.2
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	720.0	7184.1	109390.3
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	2141730	102303928	439162986
17. Gross Electrical Energy Generated (MWH)	747543	8244610	125560679
18. Net Electrical Energy Generated (MWH)	717363	7930660	120472803
19. Unit Service Factor	100.0	89.6	79.2
20. Unit Availability Factor	100.0	89.6	79.2
21. Unit Capacity Factor (Using MDC Net)	90.6	89.9	76.9
22. Unit Capacity Factor (Using DER Net)	84.4	83.8	73.9
23. Unit Forced Outage Rate	0.0	0.4	6.5

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)

	Forcast	Achieved
Initial Criticality		
Initial Electricity		
Commercial Operation		

UNIT SHUTDOWNS

DOCKET NO. 50-370
UNIT NAME: McGuire 2
DATE: December 14, 1999
COMPLETED BY: Roger Williams
TELEPHONE: 704-382-5346

REPORT MONTH: **November, 1999**

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: August 2000

3. Scheduled restart following refueling: October 2000

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: 1117

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: December 14, 1999

Name of Contact: R. A. Williams Phone: (704) - 382-5346

McGUIRE NUCLEAR STATION

MONTHLY OPERATING STATUS REPORT

OCTOBER 1999

1. Personnel Exposure -

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