



Duke Power
526 South Church Street
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November 14, 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-October, 2002

Please find attached information concerning the performance and operation status of the McGuire Nuclear Station for the month of October, 2002 and **REVISION 1** of the monthly refueling information page for McGuire unit 1 for the month of September, 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

IE 24

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	November 14, 2002
Completed By	Roger Williams
Telephone	704-382-5346

Operating Status

1. Unit Name: McGuire 1
2. Reporting Period: October 1, 2002 - October 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 (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	745.0	7296.0	183360.0
12. Number of Hours Reactor was Critical	550.5	6630.5	141561.5
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	506.4	6579.9	140260.5
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	1616089	74559857	504211603
17. Gross Electrical Energy Generated (MWH)	555424	7697549	155751299
18. Net Electrical Energy Generated (MWH)	528700	7409895	149224905
19. Unit Service Factor	68.0	90.2	76.5
20. Unit Availability Factor	68.0	90.2	76.5
21. Unit Capacity Factor (Using MDC Net)	64.5	92.3	71.7
22. Unit Capacity Factor (Using DER Net)	60.1	86.1	69.0
23. Unit Forced Outage Rate	3.2	1.3	9.5
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)

	Forecast	Achieved
Initial Criticality	_____	_____
Initial Electricity	_____	_____
Commercial Operation	_____	_____

UNIT SHUTDOWNS

DOCKET NO. 50-369UNIT NAME: McGuire 1DATE: November 14, 2002COMPLETED BY: Roger WilliamsTELEPHONE: 704-382-5346REPORT MONTH: October, 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
2	10/01/02	S	142.80	C	4		END OF CYCLE 15 REFUELING OUTAGE
3	10/06/02	S	28.00	A	4		OUTAGE DELAY OF 1.17 DAYS DUE TO DIESEL GENERATOR GOVERNOR MODULE MODIFICATION
4	10/08/02	S	11.00	A	4		OUTAGE DELAY OF 0.46 DAYS DUE TO REACTOR COOLANT LEVEL INDICATION MISMATCH
5	10/08/02	S	14.00	A	4		OUTAGE DELAY OF 0.58 DAYS DUE TO CONTROL ROD DRIVE MECHANISM LATCHING TOOL MALFUNCTION
6	10/09/02	S	15.00	A	4		OUTAGE DELAY OF 0.63 DAYS DUE TO TURBINE DRIVEN FEEDWATER PUMP ISOLATION VALVE
7	10/09/02	S	10.23	C	4		OUTAGE DELAY OF 0.43 DAYS DUE TO MISCELLANEOUS REFUELING OUTAGE ACTIVITIES

Summary:

McGuire unit 1 began the month in end-of-cycle 15 refueling outage. The end-of-cycle 15 refueling outage spanned 26.26 days. The outage was delayed for the following; 1.17 days due to diesel generator governor module modification, 0.46 days due to reactor coolant level indication mismatch, 0.58 days due to control rod drive mechanism latching tool malfunction, 0.63 days due to turbine driven feedwater pump isolation valve, 0.43 days due to miscellaneous refueling activities. The unit was placed on-line 10/10/02 at 0502. The unit increased to approximately 17% power and held from 0700 to 1000 when the unit began decreasing power and was taken off-line 10/10/02 at 1229 to perform the turbine overspeed trip test and to repair a flange leak on main steam piping. The unit remained critical at approximately 13% power. The unit was placed on-line 10/11/02 at 0604. During power escalation, the unit held at 30% power from 10/11/02 at 1200 to 1758 due to initial flux mapping. On 10/13/02 at 0000 to 0521 the unit held at (Cont'd)

(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

UNIT SHUTDOWNS

DOCKET NO. 50-369

UNIT NAME: McGuire 1

DATE: November 14, 2002

COMPLETED BY: Roger Williams

TELEPHONE: 704-382-5346

REPORT MONTH: October, 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
8	10/10/02	S	1.00	B	--		TURBINE OVERSPEED TRIP TEST
9	10/10/02	F	16.58	A	--		FLANGE LEAK ON MAIN STEAM PIPING

Summary:
 78% power due to flux mapping. The unit resumed power escalation, and held at approximately 90% power from 1200 to 1227 for normalized delta T adjustments. The unit returned to 100% full power on 10/14/02 at 1445 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
- 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 2004
3. Scheduled restart following refueling: April 2004

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: 1107
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: November 14, 2002

Name of Contact: R. A. Williams

Phone: (704) - 382-5346

Operating Data Report

Docket No. 50-370
 Date November 14, 2002
 Completed By Roger Williams
 Telephone 704-382-5346

Operating Status

- 1. Unit Name: McGuire 2
- 2. Reporting Period: October 1, 2002 - October 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	745.0	7296.0	163656.0
12. Number of Hours Reactor was Critical	745.0	6504.0	134322.8
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	745.0	6477.1	133069.0
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	2539239	96429304	513820295
17. Gross Electrical Energy Generated (MWH)	873834	7537482	152834021
18. Net Electrical Energy Generated (MWH)	841142	7253719	146722998
19. Unit Service Factor	100.0	88.8	81.3
20. Unit Availability Factor	100.0	88.8	81.3
21. Unit Capacity Factor (Using MDC Net)	102.6	90.4	79.4
22. Unit Capacity Factor (Using DER Net)	95.7	84.3	76.0
23. Unit Forced Outage Rate	0.0	2.6	5.6
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: November 14, 2002

COMPLETED BY: Roger Williams

TELEPHONE: 704-382-5346

REPORT MONTH: October, 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: November 14, 2002

Name of Contact: R. A. Williams

Phone: (704) - 382-5346

McGUIRE NUCLEAR STATION

MONTHLY OPERATING STATUS REPORT

SEPTEMBER 2002

1. Personnel Exposure -

The total station liquid release for SEPTEMBER 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 SEPTEMBER 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: Currently Refueling
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: 1107
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: October 15, 2002

Name of Contact: R. A. Williams

Phone: (704) - 382-5346