

OPERATING DATA REPORT

DOCKET NO. 50-369
 DATE 12-14-84
 COMPLETED BY J.A. Reavis
 TELEPHONE 704-373-7567

OPERATING STATUS

1. Unit Name: McGuire 1
2. Reporting Period: November 1, 1984 - November 30, 1984
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): _____
7. Maximum Dependable Capacity (Net MWe): 1180
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report. Give Reasons:
None

Notes * Nameplate Rating (Gross MWe) calculated as 1450.000 MVA x .90 power factor per Page iii, NUREG-0020.

9. Power Level To Which Restricted, If Any (Net MWe): None
10. Reasons For Restrictions, If Any: _____

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	720.0	8 040.0	26 304.0
12. Number Of Hours Reactor Was Critical	494.2	5 944.3	18 017.3
13. Reactor Reserve Shutdown Hours	---	---	---
14. Hours Generator On-Line	491.0	5 874.0	17 823.1
15. Unit Reserve Shutdown Hours	---	---	---
16. Gross Thermal Energy Generated (MWH)	1 553 094	19 140 602	46 577 671
17. Gross Electrical Energy Generated (MWH)	537 874	6 640 336	16 157 501
18. Net Electrical Energy Generated (MWH)	512 120	6 359 136	15 315 391
19. Unit Service Factor	68.2	73.1	67.8
20. Unit Availability Factor	68.2	73.1	67.8
21. Unit Capacity Factor (Using MDC Net)	60.3	57.0	49.3
22. Unit Capacity Factor (Using DER Net)	60.3	67.0	49.3
23. Unit Forced Outage Rate	10.7	6.0	16.3

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):

Refueling - March 20, 1985 - 7 Weeks

25. If Shut Down At End Of Report Period, Estimated Date of Startup: December 22, 1984

26. Units In Test Status (Prior to Commercial Operation):	Forecast	Achieved
INITIAL CRITICALITY	_____	_____
INITIAL ELECTRICITY	_____	_____
COMMERCIAL OPERATION	_____	_____

(9/77)

IE24

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-369
 UNIT McGuire 1
 DATE 12/14/84
 COMPLETED BY J.A. Reavis
 TELEPHONE 704-373-7567

MONTH November, 1984

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	-----	17	746
2	-----	18	1 145
3	266	19	1 145
4	1 135	20	1 145
5	1 122	21	1 146
6	1 117	22	1 146
7	954	23	796
8	1 020	24	-----
9	1 146	25	-----
10	1 146	26	-----
11	1 145	27	-----
12	1 146	28	-----
13	679	29	-----
14	1 144	30	-----
15	1 147	31	-----
16	1 081		

INSTRUCTIONS

On this format, list the average daily unit power level in MWe-Net for each day in the reporting month. Compute to the nearest whole megawatt.

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-369
 UNIT NAME McGuire 1
 DATE 12/14/84
 COMPLETED BY J. A. Reavis
 TELEPHONE 704-373-7567

REPORT MONTH November 1984

No.	Date	Type ¹	Duration (Hours)	Reason ²	Method of Shutting Down Reactor ³	License Event Report #	Systems Code ⁴	Component Code ⁵	Cause & Corrective Action to Prevent Recurrence
10	84-11-01	F	9.25	A	1		SF	ACCUMU	Upper Head Injection Chemistry Problems
10A	84-11-01	F	49.53	G	1		SF	ACCUMU	Accumulator Level Switches Improperly Connected
41-p	84-11-05	S	--	B	-		IB	INSTRU	Incore/Excore Calibrations
42-p	84-11-06	S	--	B	-		RB	FUELXX	End of Cycle Moderator Temp. Coefficient determination
43-p	84-11-07	F	--	A	-		AA	HTEXCH	Containment Ventilation Unit Bacteria Burnout
44-p	84-11-13	F	--	A	-		HA	INSTRU	Faulty Signal on Turbine Supervisory System
45-p	84-11-16	F	--	A	-		AA	HTEXCH	Containment Ventilation Unit Bacteria Burnout
11	84-11-23	S	170.27	F	1		ZZ	ZZZZZZ	Maintenance Outage to help Eliminate Overlapping Unit Refuels

1

F Forced
S Scheduled

2

Reason:
 A-Equipment Failure (Explain)
 B-Maintenance or Test
 C-Refueling
 D-Regulatory Restriction
 E-Operator Training & License Examination
 F-Administrative
 G-Operational Error (Explain)
 H-Other (Explain)

3

Method:
 1-Manual
 2-Manual Scram
 3-Automatic Scram
 4-Other (Explain)

4

Exhibit G - Instructions for Preparation of Data Entry Sheets for Licensee Event Report (LER) File (NUREG-0161)

5

Exhibit I - Same Source

DOCKET NO: 50-369

UNIT: McGuire 1

DATE: 12/14/84

NARRATIVE SUMMARY

Month: November 1984

The unit was down and adjusting Upper Head Injection Chemistry on 11/01, when the level switches on the UHI valves were discovered to be improperly installed. This was corrected and the unit returned on 11/03. The unit held at 98% on November 5, and 6 for Nuclear Instrumentation calibration and flux mapping. The unit decreased power to 49% on 11/07 to kill bacteria in the Lower Containment Coolers. The unit returned to 100% and operated there until 11/13 when a runback occurred due to problems with Switchyard Supervisory instrumentation. The unit returned to 100% and operated at that level until reducing power on 11/16 to kill bacteria in the Lower Containment Coolers. The unit returned to 100% and operated there until it was shutdown on 11/23 for a maintenance outage.

MONTHLY REFUELING INFORMATION REQUEST

1. Facility name: McGuire Unit 1
2. Scheduled next refueling shutdown: March 1985
3. Scheduled restart following refueling: May 1985
4. Will refueling or resumption of operation thereafter require a technical specification change or other license amendment? Yes.
If yes, what will these be? Technical Specification Revision

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

5. Scheduled date(s) for submitting proposed licensing action and supporting information: N/A
6. Important licensing considerations (new or different design or supplier, unreviewed design or performance analysis methods, significant changes in design or new operating procedures). N/A

7. Number of fuel assemblies (a) in the core: 193.
(b) in the spent fuel pool: 91
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 licensed capacity: _____

DUKE POWER COMPANY

Date: December 14, 1984

Name of Contact: J. A. Reavis

Phone: 704-373-7567

OPERATING DATA REPORT

DOCKET NO. 50-370
 DATE 12-14-84
 COMPLETED BY J.A. Reavis
 TELEPHONE 704-373-7567

OPERATING STATUS

1. Unit Name: McGuire 2
2. Reporting Period: November 1, 1984-November 30, 1984
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): _____
7. Maximum Dependable Capacity (Net MWe): 1180
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:
None

Notes * Nameplate Rating (Gross MWe) calculated as 1450.000 MVA x .90 power factor per Page iii, NUREG-0020.

9. Power Level To Which Restricted, If Any (Net MWe): None
10. Reasons For Restrictions, If Any: _____

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	<u>720.0</u>	<u>6 600.0</u>	<u>6 600.0</u>
12. Number Of Hours Reactor Was Critical	<u>629.6</u>	<u>5 467.5</u>	<u>5 467.5</u>
13. Reactor Reserve Shutdown Hours	<u>---</u>	<u>---</u>	<u>---</u>
14. Hours Generator On-Line	<u>626.8</u>	<u>5 432.3</u>	<u>5 432.3</u>
15. Unit Reserve Shutdown Hours	<u>---</u>	<u>---</u>	<u>---</u>
16. Gross Thermal Energy Generated (MWH)	<u>1 822 772</u>	<u>17 651 120</u>	<u>17 651 120</u>
17. Gross Electrical Energy Generated (MWH)	<u>636 876</u>	<u>6 240 440</u>	<u>6 240 440</u>
18. Net Electrical Energy Generated (MWH)	<u>607 908</u>	<u>5 989 481</u>	<u>5 989 481</u>
19. Unit Service Factor	<u>87.1</u>	<u>82.3</u>	<u>82.3</u>
20. Unit Availability Factor	<u>87.1</u>	<u>82.3</u>	<u>82.3</u>
21. Unit Capacity Factor (Using MDC Net)	<u>71.6</u>	<u>76.9</u>	<u>76.9</u>
22. Unit Capacity Factor (Using DER Net)	<u>71.6</u>	<u>76.9</u>	<u>76.9</u>
23. Unit Forced Outage Rate	<u>13.0</u>	<u>16.6</u>	<u>16.6</u>

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):
Refueling - January 12, 1985 - 8 Weeks

25. If Shut Down 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 | _____ | _____ |

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-370
 UNIT McGuire 2
 DATE 12/14/84
 COMPLETED BY J.A. Reavis
 TELEPHONE 704-373-7567

MONTH November, 1984

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>484</u>	17	<u>- - - -</u>
2	<u>458</u>	18	<u>- - - -</u>
3	<u>459</u>	19	<u>902</u>
4	<u>487</u>	20	<u>1 158</u>
5	<u>918</u>	21	<u>1 157</u>
6	<u>856</u>	22	<u>1 160</u>
7	<u>988</u>	23	<u>1 160</u>
8	<u>1 158</u>	24	<u>756</u>
9	<u>1 160</u>	25	<u>470</u>
10	<u>1 002</u>	26	<u>1 148</u>
11	<u>796</u>	27	<u>1 157</u>
12	<u>1 158</u>	28	<u>1 152</u>
13	<u>1 081</u>	29	<u>1 155</u>
14	<u>1 158</u>	30	<u>1 160</u>
15	<u>715</u>	31	<u>- - - -</u>
16	<u>- - - -</u>		

INSTRUCTIONS

On this format, list the average daily unit power level in MWe-Net for each day in the reporting month. Compute to the nearest whole megawatt.

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-370
 UNIT NAME McGuire 2
 DATE 12/14/84
 COMPLETED BY J. A. Reavis
 TELEPHONE 704-373-7567

REPORT MONTH November 1984

Page 1 of 2

No.	Date	Type ¹	Duration (Hours)	Reason ²	Method of Shutting Down Reactor ³	License Event Report #	Systems Code ⁴	Component Code ⁵	Cause & Corrective Action to Prevent Recurrence
60-p	84-11-01	F	--	A	-		SF	ACCUMU	Upper Head Injection Chemistry Problems
61-p	84-11-05	F	--	A	-		AA	HTEXCH	High Lower Containment Temperature
62-p	84-11-05	F	--	A	-		AA	HTEXCH	Containment Ventilation Unit Bacteria Burnout
63-p	84-11-06	F	--	A	-		AA	HTEXCH	Containment Ventilation Unit Bacteria Burnout
64-p	84-11-10	F	--	A	-		AA	HTEXCH	Containment Ventilation Unit Bacteria Burnout
65-p	84-11-13	F	--	A	-		SF	INSTRU	Upper Head Injection Valve Inoperable-Low Hydraulic Pressure
16	84-11-15	F	77.83	A	2		AA	HTEXCH	Containment Ventilation Unit Bacteria Burnout
17	84-11-24	F	15.42	B	3		IB	INSTRU	Received Spike in a Second Channel While First Channel Out of Service
66-p	84-11-26	F	--	A	-		IB	INSTRU	Pressurizer Pressure Bistables Tripped

1

F Forced
 S Scheduled

2

Reason:
 A-Equipment Failure (Explain)
 B-Maintenance or Test
 C-Refueling
 D-Regulatory Restriction
 E-Operator Training & License Examination
 F-Administrative
 G-Operational Error (Explain)
 H-Other (Explain)

3

Method:
 1-Manual
 2-Manual Scram
 3-Automatic Scram
 4-Other (Explain)

4

Exhibit G - Instructions for Preparation of Data Entry Sheets for Licensee Event Report (LER) File (NUREG-0161)

5

Exhibit I - Same Source

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-370
 UNIT NAME McGuire 2
 DATE 12/14/84
 COMPLETED BY J. A. Reavis
 TELEPHONE 704-373-7567

REPORT MONTH November 1984

Page 2 of 2

No.	Date	Type ¹	Duration (Hours)	Reason ²	Method of Shutting Down Reactor ³	License Event Report #	Systems Code ⁴	Component Code ⁵	Cause & Corrective Action to Prevent Recurrence
67-p	84-11-26	F	--	A	-		IB	INSTRU	Adjust Two Reactor Protection System Channels
68-p	84-11-30	S	--	B	-		IB	INSTRU	Incore/Excore Calibrations

1

F Forced
 S Scheduled

2

Reason:
 A-Equipment Failure (Explain)
 B-Maintenance or Test
 C-Refueling
 D-Regulatory Restriction
 E-Operator Training & License Examination
 F-Administrative
 G-Operational Error (Explain)
 H-Other (Explain)

3

Method:
 1-Manual
 2-Manual Scram
 3-Automatic Scram
 4-Other (Explain)

4

Exhibit G - Instructions for Preparation of Data Entry Sheets for Licensee Event Report (LER) File (NUREG-0161)

5

Exhibit I - Same Source

DOCKET NO: 50-370

UNIT: McGuire 2

DATE: 12/14/84

NARRATIVE SUMMARY

Month: November, 1984

The unit was forced to reduce power on 11/01/84 to re-establish proper chemistry on its Upper Head Injection (UHI) system. The unit was forced to reduce power on November 5, 6, 10, and 15, due to high lower containment temperatures and to kill bacteria in the Lower Containment coolers. On 11/13, the unit reduced power because of an inoperable UHI valve. The valve was repaired. The unit tripped on 11/24 when one channel of Power Range instrumentation was out of service and while testing another. A spike came in on a third channel and the unit tripped. The unit returned on 11/26, and operated at 100% until 11/30, when the unit decreased power to do incore/excore instrument calibration.

MONTHLY REFUELING INFORMATION REQUEST

1. Facility name: McGuire Unit 2
2. Scheduled next refueling shutdown: January 1985
3. Scheduled restart following refueling: March 1985
4. Will refueling or resumption of operation thereafter require a technical specification change or other license amendment? Yes.
If yes, what will these be? Technical Specification Revision

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

5. Scheduled date(s) for submitting proposed licensing action and supporting information: N/A
6. Important licensing considerations (new or different design or supplier, unreviewed design or performance analysis methods, significant changes in design or new operating procedures). N/A

7. Number of fuel assemblies (a) in the core: 193.
(b) in the spent fuel pool: 0.

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 licensed capacity: _____.

DUKE POWER COMPANY

Date: December 14, 1984

Name of Contact: J. A. Reavis

Phone: 704-373-7567

McGUIRE NUCLEAR STATION

Monthly Operating Status Report

1. For the month of October, no individual(s) exceeded 10 percent of their allowable annual radiation dose limit.
2. 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.

DUKE POWER COMPANY

P.O. BOX 33189
CHARLOTTE, N.C. 28242

HAL B. TUCKER
VICE PRESIDENT
NUCLEAR PRODUCTION

December 14, 1984

TELEPHONE
(704) 373-4531

✓ Director
Office of Inspection and Enforcement
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Attention: Document Control Desk

Re: McGuire Nuclear Station
Docket No. 50-369, -370

Dear Sir:

Please find attached information concerning the performance and operating status of the McGuire Nuclear Station for the month of November 1984.

Very truly yours,

Hal B. Tucker
Hal B. Tucker

JAR:scs

Attachments

cc: Regional Administrator
U. S. Nuclear Regulatory Commission
Region II
101 Marietta Street, Suite 2900
Atlanta, Georgia 30323

Mr. Phil Ross
U. S. Nuclear Regulatory Commission
MNBB-5715
Washington, D. C. 20555

INPO Records Center
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1100 Circle 75 Parkway
Atlanta, Georgia 30339

Senior Resident Inspector
McGuire Nuclear Station

Mr. Ralph Birkel
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IE24
11