

OPERATING DATA REPORT

DOCKET NO. 50-369
 DATE 07-13-84
 COMPLETED BY J.A. Reavis
 TELEPHONE 704-373-7567

OPERATING STATUS

1. Unit Name: McGuire 1
2. Reporting Period: June 1, 1984 - June 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	4 367.0	22 631.0
12. Number Of Hours Reactor Was Critical	700.9	2 676.2	14 749.3
13. Reactor Reserve Shutdown Hours	-	-	-
14. Hours Generator On-Line	699.6	2 620.0	14 569.1
15. Unit Reserve Shutdown Hours	-	-	-
16. Gross Thermal Energy Generated (MWH)	2 266 395	8 373 750	35 810 819
17. Gross Electrical Energy Generated (MWH)	793 547	2 943 285	12 460 450
18. Net Electrical Energy Generated (MWH)	763 512	2 811 164	11 767 419
19. Unit Service Factor	97.2	60.0	64.4
20. Unit Availability Factor	97.2	60.0	64.4
21. Unit Capacity Factor (Using MDC Net)	89.9	54.6	44.1
22. Unit Capacity Factor (Using DER Net)	89.9	54.6	44.1
23. Unit Forced Outage Rate	2.8	4.2	18.5
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): <u>None</u>			

25. If Shut Down At End Of Report Period, Estimated Date of Startup: _____
26. Units In Test Status (Prior to Commercial Operation):

INITIAL CRITICALITY
 INITIAL ELECTRICITY
 COMMERCIAL OPERATION

Forecast	Achieved
_____	_____
_____	_____
_____	_____

8407190071 840630
 PDR ADOCK 05000369
 R PDR

(9/77)

IE 24

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-369
 UNIT McGuire 1
 DATE 07-13-84
 COMPLETED BY J.A. Reavis
 TELEPHONE 704-373-7567

MONTH June 1984

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>1 160</u>	17	<u>1 091</u>
2	<u>1 153</u>	18	<u>1 086</u>
3	<u>871</u>	19	<u>1 097</u>
4	<u>1 160</u>	20	<u>1 100</u>
5	<u>1 163</u>	21	<u>1 102</u>
6	<u>855</u>	22	<u>1 145</u>
7	<u>284</u>	23	<u>1 148</u>
8	<u>1 041</u>	24	<u>1 148</u>
9	<u>1 020</u>	25	<u>1 147</u>
10	<u>878</u>	26	<u>1 146</u>
11	<u>1 041</u>	27	<u>1 147</u>
12	<u>1 040</u>	28	<u>1 148</u>
13	<u>1 048</u>	29	<u>1 146</u>
14	<u>1 103</u>	30	<u>1 146</u>
15	<u>1 102</u>	31	<u>-</u>
16	<u>1 099</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. 50-369

UNIT NAME McGuire 1

DATE 7/13/84

COMPLETED BY J. A. Reavis

TELEPHONE 704-373-7567

REPORT MONTH June, 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
11-p	84-06-02	S	--	A	-		IB	INSTRU	Trouble Shoot Incore Nuclear Instruments
12-p	84-06-04	F	--	A	-		SG	BLOWER	Both Trains of Control Room Ventilation Inoperable
13-p	84-06-06	F	--	H	-		RC	FUELXX	Peaking Factor Problem
14-p	84-06-06	F	--	H	-		RC	FUELXX	Axial Flux Difference Limits
6	84-06-06	F	20.42	A	3		EB	RELAYX	A Feeder Breaker Opened Due to a Faulty Undervoltage Relay
15-p	84-06-07	F	--	H	-		RC	FUELXX	Axial Flux Difference Limits
16-p	84-06-08	F	--	A	-		HH	PUMPXX	Heater Drain Pump Tripped on Low Booster Pump Suction Press
17-p	84-06-08	F	--	H	-		RC	FUELXX	Axial Flux Difference Limits
18-p	84-06-09	S	--	A	-		SD	PENETR	Personnel Airlock Operability Problems
19-p	84-06-10	F	--	B	-		IB	INSTRU	Excore Instrumentation Calibrations
20-p	84-06-10	F	--	H	-		RC	FUELXX	Axial Flux Difference Limits
21-p	84-06-13	F	--	H	-		RC	FUELXX	Axial Flux Difference Limits

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. 50-369

UNIT NAME McGuire 1

DATE 7/13/84

COMPLETED BY J. A. Reavis

TELEPHONE 704-373-7567

REPORT MONTH June 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
22-p	84-06-17	F	--	A	-		HH	PUMPXX	Repair Heater Drain Pump
23-p	84-06-17	F	--	H	-		RC	FUELXX	Axial Flux Difference Limits
24-p	84-06-18	F	--	A	-		HH	INSTRU	Repair Heater Drain Pump Seal Cooling Water Rotometer
25-p	84-06-19	F	--	H	-		RC	FUELXX	Axial Flux Difference Limits

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

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: 500.
Size of requested or planned increase: 1463.
 9. Projected date of last refueling which can be accommodated by present licensed capacity: November 1990.

DUKE POWER COMPANY

Date: July 13, 1984.

Name of Contact: J. A. Reavis

Phone: 704-373-7567

DOCKET NO: 50-369

UNIT: McGuire 1

DATE: 7/13/84

NARRATIVE SUMMARY

Month: June 1984

The unit has experienced peaking factor problems this month following their refueling outage which had limited the unit to 90% power for much of the month. The unit also tripped on June 6 due to a faulty undervoltage relay which caused a Reactor Coolant pump to trip.

OPERATING DATA REPORT

DOCKET NO. 50-370
DATE 07-13-84
COMPLETED BY J.A. Reavis
TELEPHONE 704-373-7567

OPERATING STATUS

- | | |
|--|---|
| 1. Unit Name: <u>McGuire 2</u> | Notes * Nameplate Rating
(Gross MWe) calculated
$1450.000 \text{ MVA} \times .90$
factor per Page iii
NUREG-0020. |
| 2. Reporting Period: <u>June 1, 1984 - June 30, 1984</u> | |
| 3. Licensed Thermal Power (MWt): <u>3411</u> | |
| 4. Nameplate Rating (Gross MWe): <u>1305*</u> | |
| 5. Design Electrical Rating (Net MWe): <u>1180</u> | |
| 6. Maximum Dependable Capacity (Gross MWe): _____ | |
| 7. Maximum Dependable Capacity (Net MWe): <u>1180</u> | |
| 8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:
<u>None</u> | |

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	2 927.0	2 927.0
12. Number Of Hours Reactor Was Critical	713.5	2 756.8	2 756.8
13. Reactor Reserve Shutdown Hours	-	-	-
14. Hours Generator On-Line	711.6	2 741.3	2 741.3
15. Unit Reserve Shutdown Hours	-	-	-
16. Gross Thermal Energy Generated (MWH)	2 382 476	9 122 729	9 122 729
17. Gross Electrical Energy Generated (MWH)	845 849	3 255 030	3 255 030
18. Net Electrical Energy Generated (MWH)	816 201	3 137 591	3 137 591
19. Unit Service Factor	98.8	93.7	93.7
20. Unit Availability Factor	98.8	93.7	93.7
21. Unit Capacity Factor (Using MDC Net)	96.1	90.8	90.8
22. Unit Capacity Factor (Using DER Net)	96.1	90.8	90.8
23. Unit Forced Outage Rate	1.2	3.5	3.5
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):			
Refueling - January 10, 1985 - 9 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 |
|------------------------|----------|----------|
| 26.1. In Test Status | | |
| 26.2. In Test Status | | |
| 26.3. In Test Status | | |
| 26.4. In Test Status | | |
| 26.5. In Test Status | | |
| 26.6. In Test Status | | |
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| 26.99. In Test Status | | |
| 26.100. In Test Status | | |

INITIAL CRITICALITY
INITIAL ELECTRICITY
COMMERCIAL OPERATION

Forecast	Achieved
_____	_____
_____	_____
_____	_____

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-370
 UNIT McGuire 2
 DATE 07-13-84
 COMPLETED BY J.A. Reavis
 TELEPHONE 704-373-7567

MONTH June 1984

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>1 165</u>	17	<u>1 111</u>
2	<u>1 174</u>	18	<u>1 168</u>
3	<u>1 170</u>	19	<u>1 166</u>
4	<u>1 172</u>	20	<u>1 156</u>
5	<u>1 176</u>	21	<u>1 164</u>
6	<u>1 175</u>	22	<u>1 164</u>
7	<u>1 173</u>	23	<u>1 167</u>
8	<u>1 173</u>	24	<u>1 165</u>
9	<u>1 109</u>	25	<u>1 166</u>
10	<u>378</u>	26	<u>1 155</u>
11	<u>1 166</u>	27	<u>1 167</u>
12	<u>1 167</u>	28	<u>1 168</u>
13	<u>1 170</u>	29	<u>1 169</u>
14	<u>1 169</u>	30	<u>1 169</u>
15	<u>1 167</u>	31	<u>-</u>
16	<u>1 050</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 7/13/84

COMPLETED BY J. A. Reavis

TELEPHONE 704-373-7567

REPORT MONTH June 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
25-p	84-06-01	S	--	F	-		ZZ	ZZZZZZ	Dispatch Reduction
26-p	84-06-04	F	--	A	-		SG	BLOWER	Both Trains of Control Room Ventilation Inoperable
8	84-06-10	F	8.42	A	2		HI	VALVEX	Repair Steam Generator Blowdown Valve
27-p	84-06-10	F	--	A	-		HH	FILTER	Change Feedwater Pump Oil Filter
28-p	84-06-15	S	--	B	-		IB	INSTRU	Incore/Excore Calibrations
29-p	84-06-20	F	--	B	-		IB	INSTRU	Reactor Protection System Calibrations
30-p	84-06-24	F	--	A	-		HH	PUMPXX	Repair Heater Drain Pump
31-p	84-06-26	F	--	B	-		IB	INSTRU	Reactor Protection System Channel Functional Test

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: 7/13/84

NARRATIVE SUMMARY

Month: June, 1984

The unit operated at 100% most of the month with no major problems. The unit was removed from service on June 10th to perform repairs on a bad Steam Generator blow down valve solenoid.

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: 500.
Size of requested or planned increase: 1463.
 9. Projected date of last refueling which can be accommodated by present licensed capacity: _____.

DUKE POWER COMPANY

Date: July 13, 1984.

Name of Contact: J. A. Reavis

Phone: 704-373-7567

McGUIRE NUCLEAR STATION
Monthly Operating Status Report

1. Personnel Exposure

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

2. The total station liquid release contribution to whole body dose for May has been compared with the Technical Specifications annual value of 3 mrem; the total release for May was less than 10 percent of this limit.

The total station gaseous release contribution to any organ dose for May has been compared with the Technical Specifications annual value of 15 mrem; the total release for May 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

July 13, 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 June 1984.

Very truly yours,

H. 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
Suite 1500
1100 Circle 75 Parkway
Atlanta, Georgia 30339

Senior Resident Inspector
McGuire Nuclear Station

Mr. Ralph Birkel
Office of Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

American Nuclear Insurer
c/o Dottie Sherman, ANI Library
The Exchange, Suite 245
270 Farmington Avenue
Farmington, Connecticut 06032

M&M Nuclear Consultants
1221 Avenue of the Americas
New York, New York 10020

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