

# OPERATING DATA REPORT

## OPERATING STATUS

DOCKET 50-369

DATE 11-13-87

COMPLETED BY J. A. Reavis

TELEPHONE 704/373-7567

1. Unit Name: McGuire 1
2. Reporting Period: OCTOBER 1, 1987-OCTOBER 31, 1987
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): 1150
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report. Give Reasons:

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):

10. Reason For Restrictions, If any:

	This Month	Yr.-to-Date	Cumulative
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11. Hours In Reporting Period	745.0	7,296.0	51,864.0
12. Number Of Hours Reactor Was Critical	0.0	5,675.7	35,703.6
13. Reactor Reserve Shutdown Hours	--0--	--0--	--0--
14. Hours Generator On-Line	0.0	5,615.0	35,242.5
15. Unit Reserve Shutdown Hours	--0--	--0--	--0--
16. Gross Thermal Energy Generated (MWH)	0	18,762,302	101,716,512
17. Gross Electrical Energy Generated (MWH)	0	6,489,726	35,224,903
18. Net Electrical Energy Generated (MWH)	(4,164)	6,232,603	33,549,386
19. Unit Service Factor	0.0	77.0	68.0
20. Unit Availability Factor	0.0	77.0	68.0
21. Unit Capacity Factor (Using MDC Net)	0.0	74.3	55.3
22. Unit Capacity Factor (Using DER Net)	0.0	72.4	54.8
23. Unit Forced Outage Rate	0.0	5.0	13.2

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

Currently Refueling

25. If Shut Down At End Of Report Period. Estimated Date of Startup: November 15, 1987

26. Units In Test Status (Prior to Commercial Operation):

Forecast	Achieved
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INITIAL CRITICALITY  
INITIAL ELECTRICITY  
COMMERCIAL OPERATION

8711230024 871031  
PDR ADDOCK 05000369 PDR  
R

5824  
11/

# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-369

UNIT McGuire 1

DATE November 13, 1987

COMPLETED BY J. A. Reavis

TELEPHONE 704-373-7567

MONTH OCTOBER, 1987

DAY AVERAGE DAILY POWER LEVEL  
(MWE-Net)

1	0
2	0
3	0
4	0
5	0
6	0
7	0
8	0
9	0
10	0
11	0
12	0
13	0
14	0
15	0
16	0

DAY AVERAGE DAILY POWER LEVEL  
(MWE-Net)

17	0
18	0
19	0
20	0
21	0
22	0
23	0
24	0
25	0
26	0
27	0
28	0
29	0
30	0
31	0

## UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-369

UNIT NAME MCGUIRE 1

DATE 11/13/87

COMPLETED BY J. A. REAVIS

TELEPHONE (704)-373-7567

REPORT MONTH October 1987

NO.	DATE	(1) TYPE	(2) DURATION HOURS	(3) REASON MET-HOD OF SHUT DOWN R/X	(4) LICENSE EVENT REPORT NO.	(5) SYSTEM CODE	(6) CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
7	87-10-1	S	745.00	C 1	RC	FUELXX	END OF CYCLE 4 REFUELING OUTAGE

(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-Operator 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: 11/13/87

#### NARRATIVE SUMMARY

Month: October, 1987

McGuire Unit 1 was out of service for the entire month of October, due to its end of cycle 4 refueling outage.

MONTHLY REFUELING INFORMATION REQUEST

1. Facility name: McGuire, Unit 1
2. Scheduled next refueling shutdown: Currently Refueling
3. Scheduled restart following refueling: -----
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).
7. Number of fuel assemblies (a) in the core: 193  
(b) in the spent fuel pool: 293
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: August, 2010

DUKE POWER COMPANY

DATE: November 13, 1987

Name of Contact: J. A. Reavis

Phone: 704-373-7567

# OPERATING DATA REPORT

## OPERATING STATUS

DOCKET 50-370

DATE 11-13-87

COMPLETED BY J. A. Reavis

TELEPHONE 704/373-7567

1. Unit Name: McGUIRE 2
2. Reporting Period: OCTOBER 1, 1987-OCTOBER 31, 1987
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): 1150
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons: \_\_\_\_\_

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): \_\_\_\_\_

10. Reason For Restrictions, If any: \_\_\_\_\_

	This Month	Yr.-to-Date	Cumulative
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11. Hours In Reporting Period	745.0	7,296.0	32,160.0
12. Number Of Hours Reactor Was Critical	745.0	5,622.1	23,021.1
13. Reactor Reserve Shutdown Hours	--0--	--0--	--0--
14. Hours Generator On-Line	745.0	5,538.2	22,408.4
15. Unit Reserve Shutdown Hours	--0--	--0--	--0--
16. Gross Thermal Energy Generated (MWH)	2,534,464	17,999,200	72,699,601
17. Gross Electrical Energy Generated (MWH)	888,144	6,304,270	25,494,260
18. Net Electrical Energy Generated (MWH)	855,430	6,054,008	24,417,433
19. Unit Service Factor	100.0	75.9	69.7
20. Unit Availability Factor	100.0	75.9	69.7
21. Unit Capacity Factor (Using MDC Net)	99.9	72.2	65.2
22. Unit Capacity Factor (Using DER Net)	97.3	70.3	64.3
23. Unit Forced Outage Rate	0.0	3.3	15.5

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

None

25. If Shut Down At End Of Report Period, Estimated Date of Startup: \_\_\_\_\_

26. Units In Test Status (Prior to Commercial Operation):

Forecast	Achieved
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INITIAL CRITICALITY	-----	-----
INITIAL ELECTRICITY	-----	-----
COMMERCIAL OPERATION	-----	-----



# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-370

UNIT McGuire 2

DATE November 13, 1987

COMPLETED BY J. A. Reavis

TELEPHONE 704-373-7567

MONTH OCTOBER, 1987

DAY AVERAGE DAILY POWER LEVEL  
(MWE-Net)

1 1136

2 1144

3 1141

4 1143

5 1143

6 1145

7 1146

8 1147

9 1147

10 1148

11 1148

12 1147

13 1148

14 1148

15 1148

16 1149

DAY AVERAGE DAILY POWER LEVEL  
(MWE-Net)

17 1150

18 1150

19 1150

20 1151

21 1151

22 1151

23 1152

24 1154

25 1154

26 1151

27 1152

28 1152

29 1150

30 1150

31 1150

## UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-370

UNIT NAME MCGUIRE 2

DATE 11/13/87

COMPLETED BY J. A. REAVIS

TELEPHONE (704)-373-7567

REPORT MONTH October 1987

N O .	DATE	(1) TYPE	DURATION HOURS	(2) REASON	(3) METHOD OF SHUT DOWN R/X	LICENSE EVENT REPORT NO.	(4) SYS- TEM CODE	(5) COMPONENT CODE	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
31-p	87-10-1	F	--	A	--		WB	BLOWER	LOSS OF BOTH TRAINS OF CONTROL ROOM VENTILATION AND CHILLER UNITS

(1) F Forced

S Scheduled

(2)

Reason:

A-Equipment Failure (Explain)

B-Maintenance or test

C-Refueling

D-Regulatory Restriction

E-Operator Training &amp; License Examination

F-Administrative

G-Operator Error (Explain)

H-Other (Explain)

(3)

Method:

1-Manual

2-Manual Scram

3-Automatic Scram

4-Other (Explain)

(4)

Exhibit 6 - 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: 11/13/87

#### NARRATIVE SUMMARY

Month: October, 1987

McGuire Unit 2 began the month of October operating at 100% full power. On 10/01 at 1842, the unit reduced power to 95% due to a loss of both trains of control room ventilation and chiller units. The unit began increasing to 100% power at 2333 on 10/01, where it operated for the remainder of the month.

MONTHLY REFUELING INFORMATION REQUEST

1. Facility name: McGuire, Unit 2
2. Scheduled next refueling shutdown: May, 1988
3. Scheduled restart following refueling: August, 1988
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).
7. Number of fuel assemblies (a) in the core: 193  
(b) in the spent fuel pool: 397
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: August, 2010

DUKE POWER COMPANY

DATE: November 13, 1987

Name of Contact: J. A. Reavis

Phone: 704-373-7567

McGUIRE NUCLEAR STATION  
MONTHLY OPERATING STATUS REPORT

1. Personnel Exposure

For the month of September, 48 individuals exceeded 10 percent of their allowable annual radiation dose limit with the highest dose being 2.040 rem, which represents approximately 17.0% of that person's allowable annual limit..

2. 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.



DUKE POWER COMPANY  
P.O. BOX 33189  
CHARLOTTE, N.C. 28242

HAL B. TUCKER  
VICE PRESIDENT  
NUCLEAR PRODUCTION

TELEPHONE  
(704) 373-4531

November 13, 1987

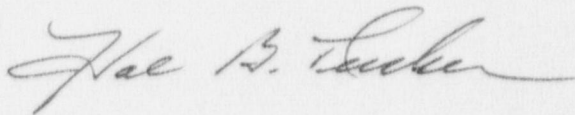
U. S. Nuclear Regulatory Commission  
Attention: Document Control Desk  
Washington, D. C. 20555

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

Dear Sir:

Please find attached information concerning the performance and operating status of the McGuire Nuclear Station for the month of October, 1987.

Very truly yours,



Hal B. Tucker

JAR/53/sbn

Attachment

xc: Dr. J. Nelson Grace, Regional Administrator  
U. S. Nuclear Regulatory Commission  
Region II  
101 Marietta Street, NW, Suite 2900  
Atlanta, Georgia 30323

Mr. Phil Ross  
U. S. Nuclear Regulatory Commission  
MNBB-5715  
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Mr. Darl Hood, Project Manager  
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U. S. Nuclear Regulatory Commission  
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Mr. W. T. Orders  
NRC Resident Inspector  
McGuire Nuclear Station

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