

OPERATING DATA REPORT

DOCKET NO. 50-369  
 DATE 02-16-87  
 COMPLETED BY J.A. Reavis  
 TELEPHONE 704-373-7567

OPERATING STATUS

1. Unit Name: McGuire 1
2. Reporting Period: January 1, 1987-January 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:  
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>744.0</u>	<u>744.0</u>	<u>45 312.0</u>
12. Number Of Hours Reactor Was Critical	<u>744.0</u>	<u>744.0</u>	<u>30 771.9</u>
13. Reactor Reserve Shutdown Hours	<u>---</u>	<u>---</u>	<u>---</u>
14. Hours Generator On-Line	<u>744.0</u>	<u>744.0</u>	<u>30 371.5</u>
15. Unit Reserve Shutdown Hours	<u>---</u>	<u>---</u>	<u>---</u>
16. Gross Thermal Energy Generated (MWH)	<u>2 534 776</u>	<u>2 534 776</u>	<u>85 488 986</u>
17. Gross Electrical Energy Generated (MWH)	<u>893 528</u>	<u>893 528</u>	<u>29 628 705</u>
18. Net Electrical Energy Generated (MWH)	<u>862 700</u>	<u>862 700</u>	<u>28 179 483</u>
19. Unit Service Factor	<u>100.0</u>	<u>100.0</u>	<u>67.0</u>
20. Unit Availability Factor	<u>100.0</u>	<u>100.0</u>	<u>67.0</u>
21. Unit Capacity Factor (Using MDC Net)	<u>100.8</u>	<u>100.8</u>	<u>53.0</u>
22. Unit Capacity Factor (Using DER Net)	<u>98.3</u>	<u>98.3</u>	<u>52.7</u>
23. Unit Forced Outage Rate	<u>0.0</u>	<u>0.0</u>	<u>14.3</u>
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):
- |                      | Forecast | Achieved |
|----------------------|----------|----------|
| INITIAL CRITICALITY  | _____    | _____    |
| INITIAL ELECTRICITY  | _____    | _____    |
| COMMERCIAL OPERATION | _____    | _____    |

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AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-369  
 -----  
 UNIT McGuire 1  
 -----  
 DATE 02-16-87  
 -----  
 COMPLETED BY J. A. Reavis  
 -----  
 TELEPHONE 704-373-7567  
 -----

MONTH JANUARY, 1987  
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DAY ---	AVERAGE DAILY POWER LEVEL (MWE-Net)	DAY ---	AVERAGE DAILY POWER LEVEL (MWE-Net)
1	1163	17	1162
2	1163	18	1162
3	1163	19	1163
4	1162	20	1161
5	1162	21	1160
6	1162	22	1161
7	1147	23	1159
8	1164	24	1159
9	1163	25	1160
10	1160	26	1159
11	1161	27	1157
12	1161	28	1157
13	1161	29	1158
14	1162	30	1152
15	1163	31	1136
16	1163		

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-369  
 UNIT NAME MCGUIRE 1  
 DATE 02-16-87  
 COMPLETED BY Jerel Reavis  
 TELEPHONE (704)-373-7567

REPORT MONTH January, 1987

N O .	DATE	T Y P E	DURATION HOURS	R E A S O N	MET- HOD OF SHU- TING DOWN R/X	LICENSE EVENT REPORT NO.	SYS- TEM CODE	COMPONENT CODE	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
1-p	87- 1- 7	F	--	A	--		WB	HTEXCH	BOTH TRAINS OF CONTROL ROOM VENTILATION INOPERABLE
2-p	87- 1-30	F	--	H	--		SB	BLOWER	CONTAINMENT AIR RETURN & HYDROGEN SKIMMER SYSTEM INOPERABLE
3-p	87- 1-30	F	--	H	--		SB	BLOWER	CONTAINMENT AIR RETURN FAN DEFICIENCY MAKING BOTH TRAINS INOPERABLE

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: 02-16-87

NARRATIVE SUMMARY

Month: January, 1987

McGuire Unit 1 began the month at 100% power. On 1/07, a shut down was initiated as required by Technical Specifications when both trains of Control Room Ventilation became inoperable. The unit dropped to approximately 85% power before restoring both trains. The unit returned to 100% power the same day and operated at that level until 1/30 when another shut down began as required by Technical Specifications when both trains of Containment Air Return fans were found to be inoperable. Both trains were returned to service on 1/31, and the unit returned to 100% power.

MONTHLY REFUELING INFORMATION REQUEST

1. Facility name: McGuire, Unit 1
2. Scheduled next refueling shutdown: September, 1987
3. Scheduled restart following refueling: November, 1987
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: 221
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: February 16, 1987

Name of Contact: J. A. Reavis

Phone: 704-373-7567

## OPERATING DATA REPORT

DOCKET NO. 50-370  
 DATE 02-16-87  
 COMPLETED BY J.A. Reavis  
 TELEPHONE 704-373-7567

### OPERATING STATUS

1. Unit Name: McGuire 2
2. Reporting Period: January 1, 1987-January 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:  
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>744.0</u>	<u>744.0</u>	<u>25 608.0</u>
12. Number Of Hours Reactor Was Critical	<u>674.1</u>	<u>674.1</u>	<u>18 073.1</u>
13. Reactor Reserve Shutdown Hours	<u>---</u>	<u>---</u>	<u>---</u>
14. Hours Generator On-Line	<u>651.0</u>	<u>651.0</u>	<u>17 521.2</u>
15. Unit Reserve Shutdown Hours	<u>---</u>	<u>---</u>	<u>---</u>
16. Gross Thermal Energy Generated (MWH)	<u>1 942 205</u>	<u>1 942 205</u>	<u>56 642 606</u>
17. Gross Electrical Energy Generated (MWH)	<u>683 297</u>	<u>683 297</u>	<u>19 873 287</u>
18. Net Electrical Energy Generated (MWH)	<u>654 353</u>	<u>654 353</u>	<u>19 017 778</u>
19. Unit Service Factor	<u>87.5</u>	<u>87.5</u>	<u>68.4</u>
20. Unit Availability Factor	<u>87.5</u>	<u>87.5</u>	<u>68.4</u>
21. Unit Capacity Factor (Using MDC Net)	<u>76.5</u>	<u>76.5</u>	<u>63.5</u>
22. Unit Capacity Factor (Using DER Net)	<u>74.5</u>	<u>74.5</u>	<u>62.9</u>
23. Unit Forced Outage Rate	<u>12.5</u>	<u>12.5</u>	<u>18.7</u>

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):  
Refueling-May 1, 1987-9 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
INITIAL CRITICALITY	_____	_____
INITIAL ELECTRICITY	_____	_____
COMMERCIAL OPERATION	_____	_____

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-370  
 -----  
 UNIT McGuire 2  
 -----  
 DATE 02-16-87  
 -----  
 COMPLETED BY J. A. Reavis  
 -----  
 TELEPHONE 704-373-7567  
 -----

MONTH JANUARY, 1987  
 -----

DAY ---	AVERAGE DAILY POWER LEVEL (MWE-Net)	DAY ---	AVERAGE DAILY POWER LEVEL (MWE-Net)
1	1163	17	1162
2	1163	18	1162
3	1163	19	1162
4	1163	20	459
5	1162	21	0
6	1164	22	0
7	1146	23	0
8	1160	24	238
9	1161	25	658
10	1163	26	659
11	1162	27	658
12	1163	28	658
13	1163	29	658
14	1162	30	655
15	1162	31	655
16	1162		

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-370  
 UNIT NAME MCGUIRE 2  
 DATE 02-16-87  
 COMPLETED BY Jerel Reavis  
 TELEPHONE (704)-373-7567

REPORT MONTH January, 1987

NO.	DATE	TYPE	DURATION HOURS	REASON	METHOD OF SHUTTING DOWN R/X	LICENSE EVENT REPORT NO.	SYS-TEM CODE	COMPONENT CODE	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
1-p	87- 1- 7	F	--	A	--		WB	HTEXCH	BOTH TRAINS OF CONTROL ROOM VENTILATION INOPERABLE
1	87- 1-20	F	93.00	A	3		HH	INSTRU	SECONDARY SYSTEM TRANSIENT DUE TO FALSE LEVEL SIGNAL IN HOTWELL
2-p	87- 1-24	F	--	F	--		HG	HTEXCH	STEAM GENERATOR WATER CHEMISTRY
3-p	87- 1-24	F	--	F	--		HG	HTEXCH	ANALYZING STEAM GENERATOR CHEMISTRY SAMPLE
4-p	87- 1-24	F	--	A	--		HH	TURBIN	HOLDING AT 58% DUE TO REPAIR ON FEED-WATER PUMP TURBINE '2A'
5-p	87- 1-30	F	--	H	--		SB	BLOWER	CONTAINMENT AIR RETURN AND HYDROGEN SKIMMER SYSTEM CONTROL INOPERABLE
6-p	87- 1-30	F	--	H	--		SB	BLOWER	CONTAINMENT AIR RETURN FAN DEFICIENCY MAKING BOTH TRAINS INOPERABLE

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



## UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-370

UNIT NAME MCGUIRE 2

DATE 02-16-87

REPORT MONTH January, 1987

COMPLETED BY Jerel Reavis

TELEPHONE (704)-373-7567

N O .	DATE	T Y P E	DURATION HOURS	R E A S O N	METH- OD OF SHU- TING DOWN R/X	LICENSE EVENT REPORT NO.	SYS- TEM CODE	COMPONENT CODE	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
7-p	87- 1-31	F	--	A	--		HH	TURBIN	HOLDING AT 58% DUE TO REPAIR ON FEED- WATER PUMP TURBINE '2A'

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: 50-370

UNIT: McGuire 2

DATE: 02-16-87

NARRATIVE SUMMARY

Month: January, 1987

McGuire Unit 2 began the month at 100% power. On 1/07, a shut down was initiated as required by Technical Specifications when both trains of Control Room Ventilation became inoperable. The unit dropped to approximately 85% power before restoring both trains. The unit returned to 100% power the same day, and operated at that level until 1/20, when a false signal from the Hotwell level detection system initiated a trip. The unit returned to service on 1/24, with the "A" Feedwater pump inoperable and undergoing repairs for damage incurred during the trip. The unit operated at a maximum of 58% power until 1/30 when a shut down began as required by Technical Specifications when both trains of Containment Air Return Fans were found to be inoperable. Both trains were returned to service on 1/31 and the unit returned to 58% power.

MONTHLY REFUELING INFORMATION REQUEST

1. Facility name: McGuire, Unit 2
2. Scheduled next refueling shutdown: May, 1987
3. Scheduled restart following refueling: July, 1987
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: 186
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: February 16, 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 December, no individuals exceeded 10 percent of their allowable annual radiation dose limit.

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

*Wesley Bond*  
25% COTTON FIBER

DUKE POWER COMPANY

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

HAL B. TUCKER  
VICE PRESIDENT  
NUCLEAR PRODUCTION

TELEPHONE  
(704) 373-4531

February 16, 1987

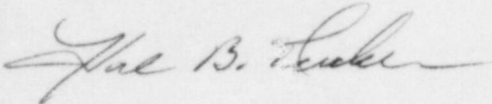
U. S. Nuclear Regulatory Commission  
Attention: Document Control Desk  
Washington, D. C. 20555

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 January, 1987.

Very truly yours,



Hal B. Tucker

JAR/02/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  
Washington, D. C. 20555

Mr. Darl Hood, Project Manager  
Office of Nuclear Reactor Regulation  
U. S. Nuclear Regulatory Commission  
Washington, D. C. 20555

Ms. Judy Dovers  
Nuclear Assurance Corporation  
5720 Peachtree Parkway  
Norcross, Georgia 30092

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

INPO Records Center  
Suite 1500  
1100 Circle 75 Parkway  
Atlanta, Georgia 30323

Mr. Richard G. Oehl, NE-44  
U. S. Department of Energy  
19901 Germantown Road  
Germantown, Maryland 20874

Mr. W. T. Orders  
NRC Resident Inspector  
McGuire Nuclear Station

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