

OPERATING DATA REPORT

DOCKET NO. 50-369
 DATE 10-14-83
 COMPLETED BY J. A. Reavis
 TELEPHONE 704-373-7567

OPERATING STATUS

1. Unit Name: McGuire Unit 1
2. Reporting Period: September 1, 1983 - September 30, 1983
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: _____

Notes *NOTE: 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. Reasons For Restrictions, If Any: _____

| | This Month | Yr.-to-Date | Cumulative |
|--|------------------|------------------|-------------------|
| 11. Hours In Reporting Period | <u>720.0</u> | <u>6 551.0</u> | <u>16 055.0</u> |
| 12. Number Of Hours Reactor Was Critical | <u>690.1</u> | <u>3 024.7</u> | <u>10 162.8</u> |
| 13. Reactor Reserve Shutdown Hours | <u>-</u> | <u>-</u> | <u>-</u> |
| 14. Hours Generator On-Line | <u>685.9</u> | <u>2 973.1</u> | <u>10 065.3</u> |
| 15. Unit Reserve Shutdown Hours | <u>-</u> | <u>-</u> | <u>-</u> |
| 16. Gross Thermal Energy Generated (MWH) | <u>2 260 850</u> | <u>8 364 196</u> | <u>21 866 614</u> |
| 17. Gross Electrical Energy Generated (MWH) | <u>794 658</u> | <u>2 919 473</u> | <u>7 546 064</u> |
| 18. Net Electrical Energy Generated (MWH) | <u>763 247</u> | <u>2 750 117</u> | <u>7 071 440</u> |
| 19. Unit Service Factor | <u>95.3</u> | <u>45.4</u> | <u>62.7</u> |
| 20. Unit Availability Factor | <u>95.3</u> | <u>45.4</u> | <u>62.7</u> |
| 21. Unit Capacity Factor (Using MDC Net) | <u>89.8</u> | <u>35.6</u> | <u>37.3</u> |
| 22. Unit Capacity Factor (Using DER Net) | <u>89.8</u> | <u>35.6</u> | <u>37.3</u> |
| 23. Unit Forced Outage Rate | <u>4.7</u> | <u>23.3</u> | <u>22.6</u> |
| 24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): | | | |

Refueling - March, 1984 - 8 weeks

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

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-369
 UNIT McGuire Unit 1
 DATE 10-14-83
 COMPLETED BY J. A. Reavis
 TELEPHONE 704-373-7567

MONTH September, 1983

| DAY | AVERAGE DAILY POWER LEVEL (MWe-Net) |
|-----|--|
| 1 | <u>1152</u> |
| 2 | <u>1152</u> |
| 3 | <u>1124</u> |
| 4 | <u>1041</u> |
| 5 | <u>1104</u> |
| 6 | <u>315</u> |
| 7 | <u>1142</u> |
| 8 | <u>1151</u> |
| 9 | <u>1018</u> |
| 10 | <u>1135</u> |
| 11 | <u>1025</u> |
| 12 | <u>1131</u> |
| 13 | <u>1147</u> |
| 14 | <u>1150</u> |
| 15 | <u>1153</u> |
| 16 | <u>1157</u> |

| DAY | AVERAGE DAILY POWER LEVEL (MWe-Net) |
|-----|--|
| 17 | <u>1146</u> |
| 18 | <u>1155</u> |
| 19 | <u>1159</u> |
| 20 | <u>1156</u> |
| 21 | <u>1156</u> |
| 22 | <u>1153</u> |
| 23 | <u>1140</u> |
| 24 | <u>37</u> |
| 25 | <u>917</u> |
| 26 | <u>1076</u> |
| 27 | <u>1156</u> |
| 28 | <u>1155</u> |
| 29 | <u>1151</u> |
| 30 | <u>1150</u> |
| 31 | <u></u> |

INSTRUCTIONS

On this form, 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

REPORT MONTH September, 1983

DOCKET NO. 50-369
 UNIT NAME McGuire 1
 DATE 10-14-83
 COMPLETED BY J. A. Reavis
 TELEPHONE (704) 373-7567

| No. | Date | Type ¹ | Duration (Hours) | Reason ² | Method of Shutting Down Reactor ³ | Licensee Event Report # | System Code ⁴ | Component Code ⁵ | Cause & Corrective Action to Prevent Recurrence |
|------|----------|-------------------|---------------------|---------------------|--|-------------------------------|-----------------------------|--------------------------------|--|
| 19-p | 83-09-03 | S | -- | B | -- | | CC | Valve> | Turbine valve movement test |
| 15 | 83-09-05 | F | 13.88 | A | 3 | | CH | Instru | 1A feedwater pump speed control mal function. |
| 20-p | 83-09-09 | F | -- | B | -- | | CH | xxxxxx | Repair leak on 1B feedwater pump turbine rupture diaphragm. |
| 21-p | 83-09-10 | S | -- | B | -- | | IA | Instru | Incore/excore instrumentation calibration |
| 22-p | 83-09-17 | S | -- | B | -- | | CC | Valvex | Turbine valve movement test |
| 23-p | 83-09-20 | S | -- | B | -- | | HA | zzzzzz | Turbine acceptance test |
| 24-p | 83-09-22 | S | -- | B | -- | | HA | zzzzzz | Turbine acceptance test |
| 16 | 83-09-24 | F | 20.23 | A | 3 | | CH | Valvex | 1B S/G FDW containment isolation valve closed due to faulty solenoid. |

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

REPORT MONTH September, 1983

DOCKET NO. 50-369
 UNIT NAME McGuire 1
 DATE 10-14-83
 COMPLETED BY J. A. Reavis
 TELEPHONE (704) 373-7567

| No. | Date | Type ¹ | Duration (Hours) | Reason ² | Method of Shutting Down Reactor ³ | Licensee Event Report # | System Code ⁴ | Component Code ⁵ | Cause & Corrective Action to Prevent Recurrence |
|------|----------|-------------------|---------------------|---------------------|--|-------------------------------|-----------------------------|--------------------------------|---|
| 25-p | 83-09-25 | S | -- | B | -- | | HA | zzzzzz | Turbine acceptance test. |
| 26-p | 83-09-29 | S | -- | B | -- | | HA | zzzzzz | Turbine acceptance 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: 50-369

UNIT: McGuire 1

DATE: 10-14-83

NARRATIVE SUMMARY

Month: September, 1983

McGuire Unit 1 operated at full power until September 3, when power was reduced to 85% for the weekly turbine valve movement test. The unit returned to full load within a few hours.

A unit trip resulted from a feedwater pump speed control malfunction late on the 5th. and the unit was online again the next day.

Power was reduced to 50% for a few hours on the 9th. to repair a leak on the 1B feedwater pump turbine rupture diaphragm.

Power was reduced six other times during the month by up to 30% to complete instrumentation calibration, turbine valve movement testing, and turbine acceptance testing.

A unit trip also occurred on September 24 when the B steam generator feedwater containment isolation valve closed due to a faulty solenoid in the valves hydraulics. The unit was back in service the same day.

MONTHLY REFUELING INFORMATION REQUEST

1. Facility name: McGuire Unit 1 .
2. Scheduled next refueling shutdown: March, 1984 .
3. Scheduled restart following refueling: May, 1984 .
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 changes needed to support transition to optimized fuel

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

5. Scheduled date(s) for submitting proposed licensing action and supporting information: October, 1983 .
6. Important licensing considerations (new or different design or supplier, unreviewed design or performance analysis methods, significant changes in design or new operating procedures). Optimized fuel to be used. Improved thermal design procedure used in safety analysis
7. Number of fuel assemblies (a) in the core: 193 .
(b) in the spent fuel pool: 31 .
8. Present licensed fuel pool capacity: 500 .
Size of requested or planned increase: _____ .
9. Projected date of last refueling which can be accommodated by present licensed capacity: _____ .

DUKE POWER COMPANY

Date: October 14, 1983 .

Name of Contact: J. A. Reavis

Phone: 704-373-7567

OPERATING DATA REPORT

DOCKET NO. 50-370
 DATE 10-14-83
 COMPLETED BY J. A. Reavis
 TELEPHONE 704-373-7567

OPERATING STATUS

1. Unit Name: McGuire Unit 2
2. Reporting Period: September 1, 1983-September 30, 1983
3. Licensed Thermal Power (MWt): 170
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:

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. Reasons For Restrictions, If Any: _____

This Month Yr.-to-Date Cumulative

11. Hours In Reporting Period
12. Number Of Hours Reactor Was Critical
13. Reactor Reserve Shutdown Hours
14. Hours Generator On-Line
15. Unit Reserve Shutdown Hours
16. Gross Thermal Energy Generated (MWH)
17. Gross Electrical Energy Generated (MWH)
18. Net Electrical Energy Generated (MWH)
19. Unit Service Factor
20. Unit Availability Factor
21. Unit Capacity Factor (Using MDC Net)
22. Unit Capacity Factor (Using DER Net)
23. Unit Forced Outage Rate
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):

NOT IN COMMERCIAL OPERATION

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 |
|----------|----------|
| _____ | _____ |
| _____ | _____ |
| _____ | _____ |

McGuire Nuclear Station

Pressurizer Power Operated Relief Valve (PORV)
and Safety Valve Challenges

| <u>Unit</u> | <u>Date</u> | <u>Valve No. (*)</u> | <u>No. of Challenges</u> |
|-------------|-------------|----------------------|--------------------------|
| 2 | 09/27/83 | 2NC 32 (P) | 1 |
| 2 | 09/27/83 | 2NC 34 (P) | 1 |
| 2 | 09/27/83 | 2NC 36 (P) | 1 |
| 1 | 06/22/83 | 1NC 32 (P) | 1 |
| | | 1NC 36 (P) | 1 |

*S - Safety Valve
P - PORV

McGUIRE NUCLEAR STATION

Operating Status Report

1. Personnel Exposure

For the month of August, 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 August has been compared with the Technical Specifications annual value of 3 mrem; the total release for August was less than 10 percent.

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

October 14, 1983

TELEPHONE
(704) 373-4531

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

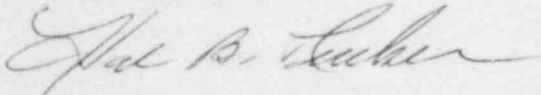
Attention: Document Control Desk

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 Spetember, 1983.

Very truly yours,



Hal B. Tucker

JAR:dyh

Attachments

cc: Regional Administrator
U. S. Nuclear Regulatory Commission
Region II
101 Marietta Street, Suite 2900
Atlanta, Georgia 30303

Mr. Phil Ross
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INPO Records Center
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1100 Circle 75 Parkway
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Mr. Bill Lavallee
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Palo Alto, California 94303

Senior Resident Inspector
McGuire Nuclear Station

IE24
1/1