

OPERATING DATA REPORT

DOCKET NO. 50-469
 DATE 02-15 84
 COMPLETED BY J. A. Reavis
 TELEPHONE 704-373-7567

OPERATING STATUS

1. Unit Name: McGuire Unit 1
2. Reporting Period: January 1, 1984-January 31, 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: _____

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>744.0</u>	<u>744.0</u>	<u>19 008.0</u>
12. Number Of Hours Reactor Was Critical	<u>728.6</u>	<u>728.6</u>	<u>12 801.6</u>
13. Reactor Reserve Shutdown Hours	<u>-</u>	<u>-</u>	<u>-</u>
14. Hours Generator On-Line	<u>723.2</u>	<u>723.2</u>	<u>12 672.3</u>
15. Unit Reserve Shutdown Hours	<u>-</u>	<u>-</u>	<u>-</u>
16. Gross Thermal Energy Generated (MWH)	<u>2 222 932</u>	<u>2 222 932</u>	<u>29 660 001</u>
17. Gross Electrical Energy Generated (MWH)	<u>800 958</u>	<u>800 958</u>	<u>10 318 123</u>
18. Net Electrical Energy Generated (MWH)	<u>770 710</u>	<u>770 710</u>	<u>9 726 965</u>
19. Unit Service Factor	<u>97.2</u>	<u>97.2</u>	<u>66.7</u>
20. Unit Availability Factor	<u>97.2</u>	<u>97.2</u>	<u>66.7</u>
21. Unit Capacity Factor (Using MDC Net)	<u>87.8</u>	<u>87.8</u>	<u>43.4</u>
22. Unit Capacity Factor (Using DER Net)	<u>87.8</u>	<u>87.8</u>	<u>43.4</u>
23. Unit Forced Outage Rate	<u>2.8</u>	<u>2.8</u>	<u>19.7</u>
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):			
Refueling - February, 1984 - 7 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 02-15-84
 COMPLETED BY J. A. Reavis
 TELEPHONE 704-373-7567

MONTH January, 1984

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>1116</u>
2	<u>1116</u>
3	<u>1116</u>
4	<u>1116</u>
5	<u>1115</u>
6	<u>1115</u>
7	<u>1120</u>
8	<u>1122</u>
9	<u>1123</u>
10	<u>1122</u>
11	<u>1121</u>
12	<u>1122</u>
13	<u>1123</u>
14	<u>1123</u>
15	<u>1122</u>
16	<u>558</u>

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	<u>476</u>
18	<u>869</u>
19	<u>1123</u>
20	<u>1119</u>
21	<u>1124</u>
22	<u>1123</u>
23	<u>1124</u>
24	<u>1125</u>
25	<u>1126</u>
26	<u>1127</u>
27	<u>1127</u>
28	<u>1127</u>
29	<u>1126</u>
30	<u>742</u>
31	<u>309</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

REPORT MONTH January, 1984

DOCKET NO. 50-369
 UNIT NAME McGuire 1
 DATE 02/15/84
 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
1-p	84-01-01	F	--	A	--		CC	VALVEX	#4 governor valve isolated
1	84-01-16	F	6.12	A	4		HI	VALVEX	Repair steam generator blowdown valve (reactor remained critical)
2-p	84-01-17	F	--	D	--		ZZ	ZZZZZZ	Axial flux difference penalty time.
3-p	84-01-18	F	--	A	--		CC	VALVEX	#4 governor valve isolated.
2	84-01-30	F	14.67	A	3		IA	INSTRU	2/4 channels of overtemp delta T-while testing, one channel received spike while another channel was in test.
4-p	84-01-31	F	--	D	--		ZZ	ZZZZZZ	Axial flux difference penalty time.

¹
 F: Forced
 S: Scheduled

²
 Reason:
 A-Equipment Failure (Explain)
 B-Maintenance of 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: 02/15/84

NARRATIVE SUMMARY

Month: January, 1984

McGuire Unit 1 operated at 94% power for the majority of the report period due to the isolation of a governor valve. The unit experienced a manual reduction to 0% power to repair a steam generator blowdown valve which had failed closed. The unit also experienced a trip due to 2/4 channels logic of overtemperature ΔT . Received spike on one channel with another channel out for testing. (Both incidents less than 24 hours duration).

MONTHLY REFUELING INFORMATION REQUEST

1. Facility name: McGuire Unit 1.
2. Scheduled next refueling shutdown: February, 1984.
3. Scheduled restart following refueling: April, 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: November, 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: February 15, 1984.

Name of Contact: J. A. Reavis

Phone: 704-373-7567

OPERATING DATA REPORT

DOCKET NO. 50-370
 DATE 02-15-84
 COMPLETED BY J. A. Reavis
 TELEPHONE 704-373-7567

OPERATING STATUS

1. Unit Name: McGuire Unit 2
2. Reporting Period: January 1, 1984 - January 31, 1984
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):
- | | Forecast | Achieved |
|----------------------|----------|----------|
| INITIAL CRITICALITY | | |
| INITIAL ELECTRICITY | | |
| COMMERCIAL OPERATION | | |

McGUIRE NUCLEAR STATION

Operating Status Report

1. Personnel Exposure

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

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

February 15, 1984

TELEPHONE
(704) 373-4531

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

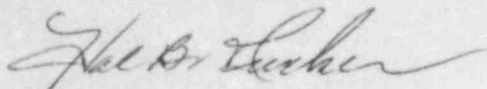
Attention: Document Control Desk

Re: McGuire Nuclear Station
Docket No. 50-269, -270

Dear Sir:

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

Very truly yours,



Hal B. Tucker

JAR:scs

Attachments

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

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

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

Senior Resident Inspector
McGuire Nuclear Station

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