# OPERATING DATA REPORT

DOCKET NO. 50-369
DATE 2-15-83
COMPLETED BY J. A. Reavis
TELEPHONE 704-373-7567

## OPERATING STATUS

1. Unit Name: McGuire Unit 1
2. Reporting Period: January 1, 1983-January 31, 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:
   None
9. Power Level To Which Restricted, If Any (Net MWe): None
10. Reasons For Restrictions, If Any:

Notes *NOTE: Nameplate Rating (Gross MWe) calculated as 1450.000 MVA x .90 power factor per Page iii, NUREG-0020.

| | This Month | Yr.-to-Date | Cumulative |
|---|---|---|---|
| 11. Hours In Reporting Period | 744.0 | 744.0 | 10 248.0 |
| 12. Number Of Hours Reactor Was Critical | 494.9 | 494.9 | 7 633.0 |
| 13. Reactor Reserve Shutdown Hours | - | - | - |
| 14. Hours Generator On-Line | 494.9 | 494.9 | 7 587.1 |
| 15. Unit Reserve Shutdown Hours | - | - | - |
| 16. Gross Thermal Energy Generated (MWH) | 857 172 | 857 172 | 14 359 590 |
| 17. Gross Electrical Energy Generated (MWH) | 293 826 | 293 826 | 4 920 417 |
| 18. Net Electrical Energy Generated (MWH) | 272 412 | 272 412 | 4 593 735 |
| 19. Unit Service Factor | 66.5 | 66.5 | 74.0 |
| 20. Unit Availability Factor | 66.5 | 66.5 | 74.0 |
| 21. Unit Capacity Factor (Using MDC Net) | 31.0 | 31.0 | 38.0 |
| 22. Unit Capacity Factor (Using DER Net) | 31.0 | 31.0 | 38.0 |
| 23. Unit Forced Outage Rate | 0.8 | 0.8 | 21.3 |

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):
    Currently Doing Steam Generator Modification

25. If Shut Down At End Of Report Period, Estimated Date of Startup: April 8, 1983

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

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

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH January, 1983

DOCKET NO. 50-369
UNIT NAME McGuire 1
DATE 2/15/83
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 |
|---|---|---|---|---|---|---|---|---|---|
| 1-p | 83-01-01 | F | -- | H | -- | | CB | HTEXCH | Limited to 50% power while awaiting modification to steam generator. |
| 1 | 83-01-21 | F | 4.13 | A | 3 | | CB | RELAYX | 'D' reactor coolant pump tripped when auxiliary relay in safety breaker cabinet failed. |
| 1A | 83-01-21 | S | 245.00 | H | -- | | CB | HTEXCH | Begin outage to modify steam generator design. |

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

(9/77)

DOCKET NO. 50-269
UNIT McGuire 1
DATE 2-15-83

# AVERAGE DAILY UNIT POWER LEVEL

MONTH January, 1983

| DAY | AVERAGE DAILY POWER LEVEL (MWe-net) | DAY | AVERAGE DAILY POWER LEVEL (MWe-net) |
|---|---|---|---|
| 1 | 554 | 17 | 562 |
| 2 | 553 | 18 | 559 |
| 3 | 554 | 19 | 559 |
| 4 | 553 | 20 | 560 |
| 5 | 550 | 21 | 336 |
| 6 | 553 | 22 | - |
| 7 | 553 | 23 | - |
| 8 | 552 | 24 | - |
| 9 | 553 | 25 | - |
| 10 | 552 | 26 | - |
| 11 | 551 | 27 | - |
| 12 | 555 | 28 | - |
| 13 | 560 | 29 | - |
| 14 | 564 | 30 | - |
| 15 | 564 | 31 | - |
| 16 | 561 | | |

## DAILY UNIT POWER LEVEL FORM 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.

These figures will be used to plot a graph for each reporting month. Note that by using maximum dependable capacity for the net electrical rating of the unit there may be occasions when the daily average power level exceeds the 100% line (or the restricted power level line). In such cases, the average daily unit power output sheet should be footnoted to explain the apparent anomaly.

DOCKET NO: 50-369

UNIT: McGuire 1

DATE: 2-15-83

## NARRATIVE SUMMARY

Month: January, 1983

McGuire Unit 1 entered the year at 50% full power and continued to operate at this level until the unit tripped off-line on January 21. The unit tripped at 1452 when an auxiliary relay in the safety breaker cabinet failed causing the electronics to behave as though the 6900 volt supply breaker had tripped. This caused a low flow indication in one reactor coolant loop which in turn caused a reactor trip. The unit continued to cooldown to begin a scheduled outage for the steam generator modification. Ice weighing, a high pressure turbine inspection, generator work, and moisture separator work will also be completed within this outage. The unit is expected to return to service at full load in April, 1983.

# MONTHLY REFUELING INFORMATION REQUEST

1. Facility name: McGuire Unit 1.

2. Scheduled next refueling shutdown: January, 1984.

3. Scheduled restart following refueling: _____.

4. Will refueling or resumption of operation thereafter require a technical specification change or other license amendment? N/A.
   If yes, what will these be? _____

   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: 27.

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, 1983.

Name of Contact: J. A. Reavis

Phone: 704-373-7567

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.

   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.