OPERATING DATA REPORT

DOCKET 50-369
DATE 2-15-88
COMPLETED BY J. A. Reavis
TELEPHONE 704/373-7567

OPERATING STATUS

1. Unit Name: McGUIRE 1
2. Reporting Period: JANUARY 1, 1988-JANUARY 31, 1988
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): 1129
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
11. Hours In Reporting Period	744.0	744.0	54,072.0
12. Number Of Hours Reactor Was Critical	729.4	729.4	37,593.0
13. Reactor Reserve Shutdown Hours	--0--	--0--	--0--
14. Hours Generator On-Line	726.8	726.8	37,070.0
15. Unit Reserve Shutdown Hours	--0--	--0--	--0--
16. Gross Thermal Energy Generated (MWH)	2,379,899	2,379,899	107,449,478
17. Gross Electrical Energy Generated (MWH)	829,803	829,803	37,225,960
18. Net Electrical Energy Generated (MWH)	799,538	799,538	35,465,036
19. Unit Service Factor	97.7	97.7	68.6
20. Unit Availability Factor	97.7	97.7	68.6
21. Unit Capacity Factor (Using MDC Net)	95.2	95.2	56.1
22. Unit Capacity Factor (Using DER Net)	91.1	91.1	55.6
23. Unit Forced Outage Rate	2.3	2.3	12.8

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
INITIAL CRITICALITY	---	---
INITIAL ELECTRICITY	---	---
COMMERCIAL OPERATION	---	---

IE24

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-369
UNIT McGuire 1
DATE February 15, 1988
COMPLETED BY J. A. Reavis
TELEPHONE 704-373-7567

MONTH JANUARY, 1988

DAY	AVERAGE DAILY POWER LEVEL (MWE-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWE-Net)
1	1007	17	1117
2	1115	18	1113
3	1115	19	1118
4	1111	20	1136
5	1115	21	1137
6	1063	22	1132
7	238	23	1134
8	683	24	1138
9	1099	25	1135
10	1096	26	1134
11	1115	27	1136
12	1114	28	1134
13	1117	29	1136
14	1115	30	1141
15	1117	31	1137
16	1115		

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-369
UNIT NAME MCGUIRE 1
DATE 02/15/88
COMPLETED BY J. A. REAVIS
TELEPHONE (704)-373-7567

REPORT MONTH January 1988

NO.	DATE	(1) TYPE	DURATION HOURS	(2) REASON	(3) METHOD OF SHUTDOWN R/X	LICENSE EVENT REPORT NO.	(4) SYSTEM CODE	(5) COMPONENT CODE	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
1-p	88- 1- 1	S	--	F	--		ZZ	ZZZZZZ	DISPATCHER REQUEST
2-p	88- 1- 1	F	--	A	--		HB	VALVEX	#4 GOVERNOR VALVE PROBLEMS
3-p	88- 1- 6	F	--	A	--		HA	GENERA	GENERATOR VOLTAGE REGULATOR PROBLEMS
1	88- 1- 7	F	17.20	A	3		HA	GENERA	REACTOR TRIP DUE TO GENERATOR VOLTAGE REGULATOR PROBLEMS
4-p	88- 1- 8	F	--	B	--		IE	INSTRU	HOLD FOR NUCLEAR INSTRUMENTATION CALIBRATION
5-p	88- 1- 8	F	--	B	--		IE	INSTRU	HOLD FOR NUCLEAR INSTRUMENTATION CALIBRATION
6-p	88- 1- 8	F	--	A	--		HB	VALVEX	#4 GOVERNOR VALVE PROBLEMS

(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. 50-369
UNIT NAME MCGUIRE 1
DATE 02/15/88
COMPLETED BY J. A. REAVIS
TELEPHONE (704)-373-7567

REPORT MONTH January 1988

NO.	DATE	(1) TYPE	DURATION HOURS	(2) REASON	(3) METHOD OF SHUTDOWN R/X	LICENSE EVENT REPORT NO.	(4) SYSTEM CODE	(5) COMPONENT CODE	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
7-p	88- 1- 8	F	--	A	--		HB	VALVEX	REMOVED #4 GOVERNOR VALVE FROM SERVICE
8-p	88- 1- 9	F	--	A	--		HB	VALVEX	#4 GOVERNOR VALVE PROBLEMS
9-p	88- 1- 9	F	--	A	--		HJ	PUMPXX	REMOVE 'C3' HEATER DRAIN PUMP FROM SERVICE
10-p	88- 1- 9	F	--	A	--		HB	VALVEX	#4 GOVERNOR VALVE PROBLEMS

(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: 02/15/88

NARRATIVE SUMMARY

Month: January, 1988

McGuire Unit 1 began the month of January operating at 78% power, reduced in power per Dispatcher request. At 0952 on 01/01, the unit began increasing power, reaching 96% at 1300 the same day. The unit remained at 96% power, limited by problems with the No. 4 Turbine Governor Valve, until 1822 on 01/06, when power was reduced to 76% due to generator voltage regulator problems. The reactor subsequently tripped at 0708 on 01/07, following a turbine trip caused by continued generator voltage regulator problems. The unit was returned to service at 0020 on 01/08, and following two power holds for nuclear instrumentation calibration, reached 95% power at 1745 on 01/08, limited in power by problems with the No. 4 Turbine Governor Valve. At 1815 on 01/08, power was reduced to 86% in order to remove the No. 4 Governor Valve from service. The unit was returned to 96% power at 0330 on 01/09. On 01/09 at 1601, power was reduced to 93% in order to remove the "C3" Heater Drain Pump from service. The unit then returned to 96% power where it operated until 1513 on

01/19, when the unit was returned to 100% power. The unit then operated at 100% full power for the remainder of the month.

MONTHLY REFUELING INFORMATION REQUEST

1. Facility name: McGuire, Unit 1

2. Scheduled next refueling shutdown: November, 1988

3. Scheduled restart following refueling: January, 1989

4. Will refueling or resumption of operation thereafter require a technical specification change or other license amendment? No

   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).

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: February 15, 1988

Name of Contact: J. A. Reavis Phone: 704-373-7567

OPERATING DATA REPORT

DOCKET 50-370
DATE 2-15-88
COMPLETED BY J. A. Reavis
TELEPHONE 704/373-7567

OPERATING STATUS

1. Unit Name: McGUIRE 2
2. Reporting Period: JANUARY 1, 1988-JANUARY 31, 1988
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): 1129
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
11. Hours In Reporting Period	744.0	744.0	34,368.0
12. Number Of Hours Reactor Was Critical	726.1	726.1	25,172.0
13. Reactor Reserve Shutdown Hours	--0--	--0--	--0--
14. Hours Generator On-Line	721.2	721.2	24,548.5
15. Unit Reserve Shutdown Hours	--0--	--0--	--0--
16. Gross Thermal Energy Generated (MWH)	2,375,936	2,375,936	79,615,887
17. Gross Electrical Energy Generated (MWH)	830,271	830,271	27,906,074
18. Net Electrical Energy Generated (MWH)	799,386	799,386	26,735,388
19. Unit Service Factor	96.9	96.9	71.4
20. Unit Availability Factor	96.9	96.9	71.4
21. Unit Capacity Factor (Using MDC Net)	92.4	95.2	66.9
22. Unit Capacity Factor (Using DER Net)	91.1	91.1	65.9
23. Unit Forced Outage Rate	3.1	3.1	14.6

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):
Refueling - May 27, 1988 - 10 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 February 15, 1988
COMPLETED BY J. A. Reavis
TELEPHONE 704-373-7567

MONTH JANUARY, 1988

DAY	AVERAGE DAILY POWER LEVEL (MWE-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWE-Net)
1	1151	17	1147
2	1151	18	1147
3	1151	19	1152
4	1151	20	1157
5	1153	21	1155
6	1153	22	1154
7	1153	23	1154
8	1153	24	1158
9	1154	25	1154
10	1154	26	1154
11	1153	27	1157
12	182	28	1153
13	435	29	1153
14	462	30	1156
15	1101	31	1153
16	1147		

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-370
UNIT NAME MCGUIRE 2
DATE 02/15/88
COMPLETED BY J. A. REAVIS
TELEPHONE (704)-373-7567

REPORT MONTH January 1988

NO.	DATE	(1) TYPE	DURATION HOURS	(2) REASON	(3) METHOD OF SHUTDOWN R/X	LICENSE EVENT REPORT NO.	(4) SYSTEM CODE	(5) COMPONENT CODE	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
1	88- 1-12	F	21.78	A	1		HH	VALVEX	FAILURE OF AIR FILTER ON 'C' S/G FEED REG. VALVE
1-p	88- 1-13	F	--	B	--		HH	XXXXXX	HOLD FOR SECONDARY CHEMISTRY
2-p	88- 1-13	F	--	A	--		HH	VALVEX	REPAIR S/G 'C' FEEDWATER CONTAINMENT ISOLATION VALVE
3-p	88- 1-13	S	--	B	--		IE	INSTRU	HOLD FOR NUCLEAR INSTRUMENTATION CALIBRATION
4-p	88- 1-14	F	--	A	--		HA	XXXXXX	REPAIR LEAK ON ELECTRO-HYDRAULIC SYSTEM
2	88- 1-14	F	1.03	A	1		HA	XXXXXX	REPAIR LEAK ON ELECTRO-HYDRAULIC SYSTEM
5-p	88- 1-14	S	--	B	--		IE	INSTRU	HOLD FOR NUCLEAR INSTRUMENTION CALIBRATION

(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 02/15/88
COMPLETED BY J. A. REAVIS
TELEPHONE (704)-373-7567

REPORT MONTH January 1988

NO.	DATE	(1) TYPE	DURATION HOURS	(2) REASON	(3) METHOD OF SHUTDOWN R/X	LICENSE EVENT REPORT NO.	(4) SYSTEM CODE	(5) COMPONENT CODE	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
6-p	88- 1-15	S	--	B	--		IE	INSTRU	HOLD FOR NUCLEAR INSTRUMENTATION CALIBRATION

(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: 02/15/88

NARRATIVE SUMMARY

Month: January, 1988

McGuire Unit 2 began the month of January operating at 100% full power. On 01/12 at 0425, the unit was removed from service due to low steam generator level caused by an air filter failure on the "C" Steam Generator Feedwater Regulator valve. The unit was returned to service at 0211 on 01/13, and held power at 21% for Secondary Chemistry, at 23% to add hydraulic fluid to the "C" Feedwater Containment Isolation Valve, and at 50% for nuclear instrumentation calibration. The unit reached 90% power at 0010 on 01/14, and shortly thereafter began to shutdown due to a leak on the Electro-Hydraulic Turbine Control System. The unit was removed from service at 1051 on 01/14 and returned to service at 1153 the same day. Following two power holds for nuclear instrumentation calibration, the unit returned to 100% power at 0824 on 01/15, 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: July, 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: 436

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 15, 1988

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.

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

HAL B. TUCKER
VICE PRESIDENT
NUCLEAR PRODUCTION

TELEPHONE
(704) 373-4531

February 15, 1988

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, 1988.

Very truly yours,

Hal B. Tucker

JAR/1392/sbn

Attachment

xc: Dr. J. Nelson Grace
Regional Administrator/Region II
U. S. Nuclear Regulatory Commission
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

Mr. Robert G. Rogers
Nuclear Assurance Corporation
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Norcross, Georgia 30092

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Germantown, Maryland 20874

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

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