OPERATING DATA REPORT

DOCKET NO. 50-369
DATE 9-15-86
COMPLETED BY J.A. Reavis
TELEPHONE 704-373-7567

OPERATING STATUS

1. Unit Name: McGuire 1
2. Reporting Period: August 1, 1986-August 31, 1986
3. Licensed Thermal Power (MWt): 3411
4. Nameplate Rating (Gross MWe): 1305*
5. Design Electrical Rating (Net MWe): 1150
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
9. Power Level To Which Restricted, If Any (Net MWe): None
10. Reasons For Restrictions, If Any:

Notes * 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	5 831.0	41 639.0
12. Number Of Hours Reactor Was Critical	0.0	3 113.3	28 119.2
13. Reactor Reserve Shutdown Hours	---	---	---
14. Hours Generator On-Line	0.0	3 094.6	27 806.2
15. Unit Reserve Shutdown Hours	---	---	---
16. Gross Thermal Energy Generated (MWH)	-0-	9 789 256	77 155 831
17. Gross Electrical Energy Generated (MWH)	-0-	3 415 928	26 727 161
18. Net Electrical Energy Generated (MWH)	-8 369	3 257 467	25 409 481
19. Unit Service Factor	0.0	53.1	66.8
20. Unit Availability Factor	0.0	53.1	66.8
21. Unit Capacity Factor (Using MDC Net)	0.0	48.6	51.9
22. Unit Capacity Factor (Using DER Net)	0.0	48.6	51.9
23. Unit Forced Outage Rate	100.0	20.2	15.0

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):
    Currently Refueling

25. If Shut Down At End Of Report Period, Estimated Date of Startup: September 14, 1986

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

	Forecast	Achieved
INITIAL CRITICALITY		
INITIAL ELECTRICITY		
COMMERCIAL OPERATION		

(9/77)

IE24
1/1

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-369
UNIT McGuire 1
DATE 9/15/86
COMPLETED BY J. A. Reavis
TELEPHONE 704-373-7567

MONTH AUGUST, 1986

DAY	AVERAGE DAILY POWER LEVEL (MWE-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWE-Net)
1	0	17	0
2	0	18	0
3	0	19	0
4	0	20	0
5	0	21	0
6	0	22	0
7	0	23	0
8	0	24	0
9	0	25	0
10	0	26	0
11	0	27	0
12	0	28	0
13	0	29	0
14	0	30	0
15	0	31	0
16	0		

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-369
UNIT NAME McGuire 1
DATE 9/15/86
COMPLETED BY J. A. Reavis
TELEPHONE 704-373-7567

REPORT MONTH August 1986

No.	Date	Type[1]	Duration (Hours)	Reason[2]	Method of Shutting Down Reactor[3]	License Event Report #	Systems Code[4]	Component Code[5]	Cause & Corrective Action to Prevent Recurrence
7	86-08-01	S	111.00	C	4		RC	FUELXX	End of Cycle 3 Refueling Outage
8	86-08-05	F	633.00	A	4		RC	FUELXX	Refueling Outage Extension due to Repair of Damaged Fuel Assembly

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: 9/15/86

NARRATIVE SUMMARY

Month: August 1986

McGuire Unit 1 remained off line for the entire month. Work continued on the Main Generator.

MONTHLY REFUELING INFORMATION REQUEST

1. Facility name: McGuire, Unit 1

2. Scheduled next refueling shutdown: Currently Refueling

3. Scheduled restart following refueling: - - -

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: 220

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: September 15,1986

Name of Contact: J. A. Reavis

Phone: 704-373-7567

OPERATING DATA REPORT

DOCKET NO. 50-370
DATE 9-15-86
COMPLETED BY J.A. Reavis
TELEPHONE 704-373-7567

OPERATING STATUS

1. Unit Name: McGuire 2
2. Reporting Period: August 1, 1986-August 31, 1986
3. Licensed Thermal Power (MWt): 3411
4. Nameplate Rating (Gross MWe): 1305*
5. Design Electrical Rating (Net MWe): 1150
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
9. Power Level To Which Restricted, If Any (Net MWe): None
10. Reasons For Restrictions, If Any: ____

Notes * 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	5 831.0	21 935.0
12. Number Of Hours Reactor Was Critical	716.3	3 330.6	14 959.2
13. Reactor Reserve Shutdown Hours	---	---	---
14. Hours Generator On-Line	707.9	3 188.7	14 454.2
15. Unit Reserve Shutdown Hours	---	---	---
16. Gross Thermal Energy Generated (MWH)	2 295 334	10 450 865	46 601 242
17. Gross Electrical Energy Generated (MWH)	791 289	3 652 421	16 352 988
18. Net Electrical Energy Generated (MWH)	759 422	3 484 129	15 637 782
19. Unit Service Factor	95.2	54.7	65.9
20. Unit Availability Factor	95.2	54.7	65.9
21. Unit Capacity Factor (Using MDC Net)	88.8	52.0	60.8
22. Unit Capacity Factor (Using DER Net)	88.8	52.0	60.8
23. Unit Forced Outage Rate	4.9	5.3	19.1

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	____	____

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-370
UNIT McGuire 2
DATE 9/15/86
COMPLETED BY J. A. Reavis
TELEPHONE 704-373-7567

MONTH AUGUST, 1986

DAY	AVERAGE DAILY POWER LEVEL (MWE-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWE-Net)
1	1138	17	1143
2	1137	18	1139
3	1138	19	1137
4	1138	20	1137
5	1135	21	1138
6	1115	22	1143
7	420	23	1141
8	1142	24	1141
9	1144	25	1141
10	1144	26	1141
11	1144	27	267
12	590	28	490
13	273	29	1141
14	1102	30	1146
15	1143	31	1148
16	1144		

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-370
UNIT NAME McGuire 2
DATE 9/15/86
COMPLETED BY J. A. Reavis
TELEPHONE 704-373-7567

REPORT MONTH August 1986

No.	Date	Type[1]	Duration (Hours)	Reason[2]	Method of Shutting Down Reactor[3]	License Event Report #	Systems Code[4]	Component Code[5]	Cause & Corrective Action to Prevent Recurrence
19-p	86-08-02	F	--	A	-		AD	VALVEX	Trains of Hydrogen Purge Out of Service
20-p	86-08-05	F	--	A	-		HH	PUMPXX	"2C" Heater Drain Tank Pump Trip Due to Low Level
10	86-08-07	F	3.48	A	4		CB	PUMPXX	Repair Oil Leak on "2D" Reactor Coolant Pump (Reactor Remained Critical)
21-p	86-08-07	F	--	A	-		CH	VALVEX	Main Feed Regulating Valves not Fully Open During Swap from Bypass to Regulating Valves
11	86-08-12	F	16.00	G	3		ED	BATTRY	Vital Battery Breaker was Inadvertently Opened
22-p	86-08-13	F	--	H	-		RC	ZZZZZZ	Quadrant Power Tilt Ratio greater than 2%
23-p	86-08-13	F	--	A	-		EB	TRANSF	Hi Temperature on "2A" Transformer, no Current Flow Through "B" Generator Breaker
12	86-08-13	F	2.15	A	4		HA	TURBIN	Turbine Tripped on Hi Exhaust Hood Temperature (Reactor Remained Critical)

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)

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH August 1986

DOCKET NO. 50-370
UNIT NAME McGuire 2
DATE 9/15/86
COMPLETED BY J. A. Reavis
TELEPHONE 704-373-7567

No.	Date	Type[1]	Duration (Hours)	Reason[2]	Method of Shutting Down Reactor[3]	License Event Report #	Systems Code[4]	Component Code[5]	Cause & Corrective Action to Prevent Recurrence
24-p	86-08-21	F	--	A	-		CC	VALVEX	Trouble Shoot #4 Governor Valve
13	86-08-27	F	14.47	A	3		CH	VALVEX	Feedwater Containment Isolation Valve Stuck Closed due to Failed Solenoid Valve
25-p	86-08-27	F	--	A	-		CH	VALVEX	Repair Feedwater Containment Isolation Valve

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: 50-370
UNIT: McGuire 2
DATE: 9/15/86

NARRATIVE SUMMARY

Month: August 1986

McGuire Unit 2 began the month at 100% power. A slight reduction in power occurred when both trains of Hydrogen Purge were declared inoperable. The unit returned to 100% the same day. On 8/07 the unit came off line to repair an oil leak on the 2D Reactor Coolant pump. The unit was back at 100% the next day. On 8/12 the unit tripped when a technician inadvertently opened a breaker of the vital batteries. The unit returned to service the next morning, 8/13, and was increasing power to 100%, when the temperature of the "A" Main Transformer began to increase. The "A" Bus was cleared of its loads in order to perform an investigation. When the "A" Generator Breaker was opened, the Generator lost all indication of MW output which caused a runback. A trip occurred due to high Exhaust Hood temperatures. It was determined that the "B" Main Transformer was not operating properly, which caused an increase of power flow through the "A" transformer. The increased current through that transformer caused temperature to increase. The unit returned to service that afternoon and increased power to 100%. On 8/27, the unit tripped when a Feedwater Containment Isolation valve closed. A solenoid valve on the Isolation valve failed, which caused the Isolation valve to close. The unit returned to service the following day and operated at 100% for the balance of the month.

MONTHLY REFUELING INFORMATION REQUEST

1. Facility name: McGuire, Unit 2

2. Scheduled next refueling shutdown: May, 1987

3. Scheduled restart following refueling: August, 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: 141

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: September 15,1986

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

McGUIRE NUCLEAR STATION

MONTHLY OPERATING STATUS REPORT

1. Personnel Exposure

   For the month of July, 9 individuals exceeded 10 percent of their allowable annual radiation dose limit with the highest dose being 2.080 rem, which represents approximately 17.3% of that person's allowable annual limit.

2. The total station liquid release for July 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 July 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

September 15, 1986

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 and 50-370

Dear Sir:

Please find attached information concerning the performance and operating status of the McGuire Nuclear Station for the month of August, 1986.

Very truly yours,

Hal B. Tucker

JAR/04/V3/jgm

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

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

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xc: INPO Records Center
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Atlanta, Georgia 30323

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