OPERATING DATA REPORT

DOCKET NO 50-369
DATE July 15, 1993
COMPLETED BY R.A. Williams
TELEPHONE 704-382-5346

OPERATING STATUS

1. Unit Name: McGuire 1
2. Reporting Period: June 1, 1993-June 30, 1993
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): 1171
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	720.0	4343.0	101519.0
12. Number Of Hours Reactor Was Critical	430.9	2118.2	70974.4
13. Reactor Reserve Shutdown Hours	--0--	--0--	--0--
14. Hours Generator On-Line	390.6	2076.7	70199.2
15. Unit Reserve Shutdown Hours	--0--	--0--	--0--
16. Gross Thermal Energy Generated (MWH)	1020090	6756096	216530137
17. Gross Electrical Energy Generated (MWH)	334900	2320538	74495868
18. Net Electrical Energy Generated (MWH)	310177	2209897	71126232
19. Unit Service Factor	54.3	47.8	69.2
20. Unit Availability Factor	54.3	47.8	69.2
21. Unit Capacity Factor (Using MDC Net)	38.2	45.1	60.9
22. Unit Capacity Factor (Using DER Net)	36.5	43.1	59.4
23. Unit Forced Outage Rate	28.5	7.0	13.4

24. Shutdown 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	_____	_____

OPERATING DATA REPORT

DOCKET NO 50-369
UNIT McGuire 1
DATE July 15, 1993
COMPLETED BY R.A. Williams
TELEPHONE 704-382-5346

MONTH June, 1993

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	0	17	777
2	0	18	1046
3	0	19	831
4	0	20	124
5	0	21	468
6	0	22	1014
7	0	23	1091
8	0	24	1094
9	0	25	889
10	0	26	1107
11	0	27	1103
12	0	28	1082
13	0	29	1078
14	0	30	1088
15	152		
16	322		

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH June 1993

DOCKET NO. 50-369
UNIT NAME MCGUIRE 1
DATE 07/15/93
COMPLETED BY N. C. SIMMONS
TELEPHONE (704)-382-5263

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	93- 6- 1	S	78.12	C	--		RC	FUELXX	END-OF-CYCLE 8 REFUELING OUTAGE
2	93- 6- 4	S	96.00	A	--		CB	PUMPXX	4 DAY OUTAGE EXTENSION DUE TO REACTOR COOLANT PUMP WORK
3	93- 6- 8	F	48.00	B	--		CA	XXXXXX	2 DAY OUTAGE EXTENSION DUE TO CLEANUP OF DEBRIS IN PRIMARY SYSTEM
4	93- 6-10	F	107.30	A	--		SD	INSTRU	4.5 DAY OUTAGE EXTENSION DUE MECHANICAL PENETRATIONS WORK
1-P	93- 6-14	S	--	B	--		CH	XXXXXX	AUXILIARY FEEDWATER FLOW BALANCE
2-P	93- 6-15	S	--	B	--		CH	XXXXXX	AUXILIARY FEEDWATER FLOW BALANCE
3-P	93- 6-15	S	--	B	--		CH	XXXXXX	AUXILIARY FEEDWATER FLOW BALANCE
4-P	93- 6-15	F	--	A	--		HH	VALVEX	FEEDWATER REGULATING 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

REPORT MONTH June 1993

DOCKET NO. 50-369
UNIT NAME MCGUIRE 1
DATE 07/15/93
COMPLETED BY N. C. SIMMONS
TELEPHONE (704)-382-5263

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
5-P	93- 6-15	S	--	B	--		CG	XXXXXX	HOLD FOR CHEMISTRY
6-P	93- 6-16	S	--	B	--		IA	FUELXX	FLUX MAPPING
7-P	93- 6-17	S	--	B	--		IA	FUELXX	FLUX MAPPING
8-P	93- 6-19	F	--	A	--		HH	VALVEX	FEEDWATER REGULATING VALVE MECHANICALLY BOUND
9-P	93- 6-21	F	--	B	--		IA	INSTRU	NUCLEAR INSTRUMENTATION CALIBRATION
10-P	93- 6-21	F	--	B	--		IA	INSTRU	REACTOR COOLANT SYSTEM LEAKAGE CALCULATION
11-P	93- 6-25	F	--	A	--		HA	TURBIN	TURBINE HYDRAULIC OIL LEAKAGE

(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

MONTHLY REFUELING INFORMATION REQUEST

1. Facility name: McGuire, Unit 1

2. Scheduled next refueling shutdown: June 1994

3. Scheduled restart following refueling: August 1994

   THE PROJECT MANAGER HAS BEEN ADVISED BY SEPARATE COMMUNICATION OF ANY T.S. CHANGE OR LICENSE AMENDMENT. THEREFORE, QUESTIONS 4 THROUGH 6 WILL NO LONGER BE MAINTAINED IN THIS REPORT.

4. Will refueling or resumption of operation thereafter require a technical specification change or other license amendment?

   If yes, what will these be?

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

5. Scheduled date(s) for submitting proposed licensing action and supporting information.

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: 583

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: March 2006

DUKE POWER COMPANY DATE: July 15, 1993

Name of Contact: N. C. Simmons Phone: 704-382-5263

DOCKET: 50-369

UNIT: McGuire 1

Date: 07/15/93

NARRATIVE SUMMARY

MONTH: June 1993

McGuire Unit 1 began the month of June in end-of cycle 8 refueling outage. The unit was in the refueling outage until 6/14 at 1725. The outage duration was 92.47 days and was scheduled for 82 days. The refueling outage end date was delayed; 4 days due to reactor coolant pump rebuilding, 2 days for reactor debris cleanup, and 4.5 days due to mechanical penetrations problems. During power escalation, the unit held at 10% power from 1725 to 2100 for auxiliary feedwater flow balance, at 20% power from 6/15 at 0440 to 0554 for auxiliary feedwater flow balance. The unit held at 25% power from 0752 to 1302 for auxiliary feedwater flow balance. At 1302 the unit decrease power to approximately 15% power and held from 1330 to 1650 due to feedwater regulating valve problems. During power escalation, the unit held at 30% power from 2000 to 6/16 at 0313 for chemistry. The unit held at 37% power from 0609 to 1650 for flux mapping, and at 78% power from 6/17 at 1214 to 2221 for flux mapping. The unit reached 100% full power on 6/18 at 1517. The unit started a power decrease on 6/19 at 1130 and held at approximately 92% power from 1416 to 1521 to investigate a feedwater regulating valve problem. The unit decreased power to approximately 15% power from 1923 to 6/21 at 0315 to repair a mechanically bound feedwater regulating valve. During power escalation, the unit held at 38.5% power from 0532 to 0557 for nuclear instrumentation calibrations, and at approximately 70% power to perform reactor coolant system leakage calculation. The unit reached 100% full power on 6/24 at 1100. The unit started a power decrease on 6/24 at 2321 and held at 55% power from 6/25 at 0830 to 1605 for main turbine governing valve repair. The unit was returned to 100% full power on 6/30 at 1800. The unit operated the for the remainder of the month at or near 100% full power.

Prepared by N. C. Simmons
Telephone: 704-382-5263

OPERATING DATA REPORT

DOCKET NO 50-370
DATE July 15, 1993
COMPLETED BY R.A. Williams
TELEPHONE 704-382-5346

OPERATING STATUS

1. Unit Name: McGuire 2
2. Reporting Period: June 1, 1993-June 30, 1993
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): 1171
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	720.0	4343.0	81815.0
12. Number Of Hours Reactor Was Critical	720.0	4301.9	63718.2
13. Reactor Reserve Shutdown Hours	--0--	--0--	--0--
14. Hours Generator On-Line	720.0	4294.9	62792.0
15. Unit Reserve Shutdown Hours	--0--	--0--	--0--
16. Gross Thermal Energy Generated (MWH)	1947721	13777099	205184655
17. Gross Electrical Energy Generated (MWH)	665664	4813797	71733498
18. Net Electrical Energy Generated (MWH)	634068	4620269	68781234
19. Unit Service Factor	100.0	98.9	76.8
20. Unit Availability Factor	100.0	98.9	76.8
21. Unit Capacity Factor (Using MDC Net)	78.0	94.2	73.5
22. Unit Capacity Factor (Using DER Net)	74.6	90.2	71.3
23. Unit Forced Outage Rate	0.0	1.1	7.2

24. Shutdown Scheduled Over Next 6 Months (Type, Date, and Duration of Each):
Refueling - July 01, 1993 75 days

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		

OPERATING DATA REPORT

DOCKET NO 50-370
UNIT McGuire 2
DATE July 15, 1993
COMPLETED BY R.A. Williams
TELEPHONE 704-382-5346

MONTH June, 1993

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	713	17	1050
2	704	18	1047
3	711	19	1031
4	712	20	1008
5	712	21	1006
6	712	22	845
7	712	23	775
8	723	24	775
9	895	25	775
10	1093	26	774
11	1122	27	769
12	1119	28	765
13	1115	29	765
14	1088	30	754
15	1085		
16	1068		

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH June 1993

DOCKET NO. 50-370
UNIT NAME MCGUIRE 2
DATE 07/15/93
COMPLETED BY N. C. SIMMONS
TELEPHONE (704)-382-5263

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
14-P	93- 6- 1	S	--	C	--		ZZ	FUELXX	UNIT HELD AT 65% POWER TO MOVE END-OF-CYCLE 8 REFUELING OUTAGE TO JULY 1, 1993
15-P	93- 6- 9	S	--	H	--		ZZ	XXXXXX	LOAD INCREASED TO 75% POWER DUE TO SYSTEM DEMANDS BEING HIGHER THAN EXPECTED
16-P	93- 6-22	S	--	C	--		ZZ	FUELXX	HOLD AT 70% POWER TO REACH JULY 7 REFUELING OUTAGE START DATE

(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

MONTHLY REFUELING INFORMATION REQUEST

1. Facility name: McGuire, Unit 2

2. Scheduled next refueling shutdown: July 1993

3. Scheduled restart following refueling: September 1993

THE PROJECT MANAGER HAS BEEN ADVISED BY SEPARATE COMMUNICATION OF ANY T.S. CHANGE OR LICENSE AMENDMENT. THEREFORE, QUESTIONS 4 THROUGH 6 WILL NO LONGER BE MAINTAINED IN THIS REPORT.

4. Will refueling or resumption of operation thereafter require a technical specification change or other license amendment?

If yes, what will these be?

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

5. Scheduled date(s) for submitting proposed licensing action and supporting information.

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: 741

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: December 2003

DUKE POWER COMPANY DATE: July 15, 1993

Name of Contact: N. C. Simmons Phone: 704-382-5263

DOCKET: 50-370

UNIT: McGuire 2

Date: 07/15/93

NARRATIVE SUMMARY

MONTH: June 1993

McGuire Unit 2 began the month of June operating at 65% power to the move end-of-cycle 8 refueling outage start date to July 1, 1993. The unit started a load increase on 6/8 at 1103 and held at 75% power from 6/9 at 0410 to 0820 due to system load demands being higher than expected. The unit started a power increase at 0820 when system demands became critical and reached 100% full power at 6/10 at 1250. The unit started a decrease on 6/22 at 0008 and held at 70% power from 1225 to 6/30 at 2200. The unit was reduced to 70% power following a core redesign to support meeting the July 1, 1993 refueling outage start date. The unit started a power decrease on 6/30 at 2200 to take the unit off-line for end-of-cycle 8 refueling outage. The unit ended the month reducing power.

Prepared by N. C. Simmons
Telephone: 704-382-5263