

McGUIRE NUCLEAR STATION

Operating Status Report

1. Personnel Exposure:

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

The total station gaseous release contribution to any organ dose for August has been compared with the derived Technical Specifications annual value of 15 mrem; the total release for August was less than 10 percent of this limit.

OPERATING DATA REPORT

DOCKET NO. 50-369
 DATE 10-15-82
 COMPLETED BY J. A. Reavis
 TELEPHONE 704-373-7433

OPERATING STATUS

1. Unit Name: McGuire Unit 1
2. Reporting Period: September 1, 1982-September 30, 1982
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	<u>720.0</u>	<u>6 551.0</u>	<u>7 295.0</u>
12. Number Of Hours Reactor Was Critical	<u>690.6</u>	<u>5 308.8</u>	<u>5 354.5</u>
13. Reactor Reserve Shutdown Hours	<u>-</u>	<u>-</u>	<u>-</u>
14. Hours Generator On-Line	<u>684.7</u>	<u>5 269.6</u>	<u>5 315.3</u>
15. Unit Reserve Shutdown Hours	<u>-</u>	<u>-</u>	<u>-</u>
16. Gross Thermal Energy Generated (MWH)	<u>1 454 192</u>	<u>10 284 798</u>	<u>10 369 753</u>
17. Gross Electrical Energy Generated (MWH)	<u>502 696</u>	<u>3 521 695</u>	<u>3 550 131</u>
18. Net Electrical Energy Generated (MWH)	<u>474 471</u>	<u>3 301 069</u>	<u>3 320 125</u>
19. Unit Service Factor	<u>95.1</u>	<u>80.4</u>	<u>72.9</u>
20. Unit Availability Factor	<u>95.1</u>	<u>80.4</u>	<u>72.9</u>
21. Unit Capacity Factor (Using MDC Net)	<u>55.9</u>	<u>42.7</u>	<u>38.6</u>
22. Unit Capacity Factor (Using DER Net)	<u>55.9</u>	<u>42.7</u>	<u>38.6</u>
23. Unit Forced Outage Rate	<u>4.9</u>	<u>19.6</u>	<u>27.1</u>

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):
Steam Generator Modification-October 26- 12 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	_____	_____

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH September, 1982

DOCKET NO. 50-369
 UNIT NAME McGuire 1
 DATE 10-15-82
 COMPLETED BY J. A. Reavis
 TELEPHONE 704-373-7433

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
12-P	82-09-01	F	--	H	--		CB	HTEXCH	Operation at 75% power continues on weekdays, with weekends reduced to 50%. Through September 597 of a permissible 720 hours above 50% have been used.
16	82-09-03	F	21.58	G	3		HG	DEMINX	Unit tripped on low condensate flow while switching powdex cells.
13-P	82-09-04	F	--	H	--		CB	HTEXCH	Limited to 50% power while awaiting modification to steam generator design.
17	82-09-25	F	8.17	A	3		CH	CKTBRK	Unit tripped following a false low oil level trip of '1A' FDWPT.
18	82-09-26	F	5.57	A	3		HA	INSTRU	Reverse current trip on main generator caused by a bad card in the voltage regulator.

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 (NURIG-0161)

⁵
 Exhibit I - Same Source

DOCKET NO. 50-369
 UNIT McGuire 1
 DATE 10-15-82

AVERAGE DAILY UNIT POWER LEVEL

MONTH September, 1982

DAY	AVERAGE DAILY POWER LEVEL (MWe-net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-net)
1	<u>854</u>	17	<u>825</u>
2	<u>856</u>	18	<u>548</u>
3	<u>467</u>	19	<u>550</u>
4	<u>225</u>	20	<u>550</u>
5	<u>533</u>	21	<u>772</u>
6	<u>545</u>	22	<u>863</u>
7	<u>761</u>	23	<u>830</u>
8	<u>860</u>	24	<u>552</u>
9	<u>861</u>	25	<u>318</u>
10	<u>830</u>	26	<u>372</u>
11	<u>700</u>	27	<u>550</u>
12	<u>548</u>	28	<u>552</u>
13	<u>756</u>	29	<u>550</u>
14	<u>865</u>	30	<u>550</u>
15	<u>865</u>	31	<u> </u>
16	<u>864</u>		

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.

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
If no, when is review scheduled? 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: October 15, 1982

Name of Contact: J. A. Reavis

DOCKET NO: 50-369
UNIT: McGuire 1
DATE: 10/15/82

NARRATIVE SUMMARY

Month: September, 1982

McGuire 1 entered the month at 75% power. Up to 720 hours are permitted at this level prior to further inspection of the steam generator tubes. This time is being utilized on weekdays with weekends at 50%. Through September about 597 hours above 50% had been utilized.

September 3 the unit tripped on low condensate flow when powdex cells being switched out created a low suction pressure to the main feed-water pumps, tripping the pumps, the unit returned to service the following day.

September 25 McGuire 1 tripped due to a false low oil level trip of the '1A' feedwater pump turbine during a monthly test. The unit was returned to service later that day.

September 26 the unit tripped due to a "loss of field" on the main generator caused by a bad card in the voltage regulator circuit. The unit returned to service later that day.

McGuire 1 ended the month at 50% power awaiting modification to the steam generator design.