NMP-2452

NIAGARA MOHAWK

NINE MILE POINT NUCLEAR STATION / P.O. BOX 32 LYCOMING, NEW YORK 13093 / TELEPHONE (315) 343-2110

August 7, 1980

Director, Office of Management
Information and Program Control
United States Nuclear Regulatory Commission
Washington, D.C. 20555

RE: Docket No. 50-220
DPR-63

Gentlemen:

Submitted herewith is the Report of Operating Statistics and Shutdown Experience for July, 1980, for the Nine Mile Point Nuclear Station Unit #1.

Also included is a Narrative Report of Operating Experience for the month.

Very truly yours,

Thomas E. Lempges

Thomas E. Lempges
Vice President
Nuclear Generation

TEL/ds
Attachments
xc: Director, Office of I&E (10 copies)

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OPERATING DATA REPORT

DOCKET NO. 50-220
DATE July 1980
COMPLETED BY T.W. Roman
TELEPHONE (315)343-2110
ext. 1383

OPERATING STATUS

1. Unit Name: NINE MILE POINT UNIT #1
2. Reporting Period: 7/01/80 - 7/31/80
3. Licensed Thermal Power (MWt): 1850
4. Nameplate Rating (Gross MWe): 640
5. Design Electrical Rating (Net MWe): 620
6. Maximum Dependable Capacity (Gross MWe): 630
7. Maximum Dependable Capacity (Net MWe): 610

Notes

8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:

9. Power Level To Which Restricted, If Any (Net MWe):
10. Reasons For Restrictions, If Any:

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	744	5,111.0	94,223.0
12. Number Of Hours Reactor Was Critical	420.3	4,590.7	69,943.4
13. Reactor Reserve Shutdown Hours	0	0	12,204.2
14. Hours Generator On-Line	381.3	4,504.4	67,315.2
15. Unit Reserve Shutdown Hours	0	0	20.2
16. Gross Thermal Energy Generated (MWH)	646,865.0	7,851,260.0	109,592,662.4
17. Gross Electrical Energy Generated (MWH)	205,969.0	2,623,566.0	36,133,076.0
18. Net Electrical Energy Generated (MWH)	198,791.0	2,538,906.0	34,988,671.0
19. Unit Service Factor	51.2	88.1	71.4
20. Unit Availability Factor	51.2	88.1	71.4
21. Unit Capacity Factor (Using MDC Net)	43.8	81.4	60.9
22. Unit Capacity Factor (Using DER Net)	43.0	80.1	59.9
23. Unit Forced Outage Rate	48.7	7.0	7.2

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

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		

NIAGARA MOHAWK POWER CORPORATION

NINE MILE POINT NUCLEAR STATION UNIT #1

NARRATIVE OF OPERATING EXPERIENCE

JULY 1980

The station operated with a monthly availability factor of 51.2% and a net design electrical capacity factor of 43.0%. During the entire month #15 Reactor Recirculation Pump was out of service and isolated due to mechanical problems.

Availability/capacity factor losses were due to the following:

On July 12 the unit was removed from service when results of the main transformer oil analysis indicated an excessive amount of dissolved gases in the oil. During the ensuing two (2) week outage, exhaustive testing was performed which revealed a problem in the ground shield of Phase 3. This situation was corrected by isolating the ground shield. The transformer was then determined, through further testing, to be acceptable for service.

During the same two week outage, the manual and automatic scrams required by NRC IE Bulletin 80-17 were performed; as well as other various maintenance items.

On July 26 start-up commenced, but the reactor scrammed on IRM high flux. Subsequently, the unit was restarted and placed in service.

Capacity factor loss throughout the month was also due to condenser delta-T limitations and condenser hotwell temperature limitations.

CLASS I WORK - ELECTRICAL MAINT. - JULY 1980

#4170 - Spent fuel pool - replaced solenoid coil.
#4960 - Reactor bldg. closed loop cooling pump #13 - checked breaker, found no problem.

CLASS I WORK - INSTRUMENT & CONTROL - JULY 1980

#4095 - Inst. reg. to C.R.D. F.C.V. - replaced diaphram.
#3576 - L.P.R.M. 36-33B - detector shorted.

CLASS I WORK - MAINTENANCE - JULY 1980

#3724 - #12 shutdown cooling vent valves 374 & 326 - replaced vent valves.
#3785 - Repaired restraint 51-H12-14.
#3789 - Revised restraint 201-2-R40-14.
#3784 - Revised restraint 44-SC-1-14.
#3723 - #12 shutdown cooling flow control valve - replaced gasket & packed valve.
#4958 - Changed CRD suction strainer.
#3973 - Changed #12 CRD filters.
#4827 - CRD 30-43 - repaired foot valve.
#4831 - F.W. flow control valve - repaired crack in pipe.
#4819 - Emerg. cond. vent isolation valve #0501 - repacked.
#4943 - #121 electromatic relief valve - replaced.
#4953 - CRD accumulator 42-35 - replaced charging fitting.
#4954 - CRD accumulator 34-03 - replaced charging fitting.

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH JULY 1980

DOCKET NO. 50-220
UNIT NAME NMP#1
DATE July 1980
COMPLETED BY T.W. Roman
TELEPHONE (315)343-2110 ext. 1383

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
80-17	07/12/80	F	351.7	A	1				Main Output Transformer Failure (High Explosive Gas Content)
80-18	07/26/80	F	11	A	3				IRM High Flux Scram (mechanical Pressure Regulator Failure)

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)

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-220
UNIT NMP#1
DATE July 1980
COMPLETED BY T.W. Roman
TELEPHONE (315)343-2110
ext. 1383

MONTH JULY 1980

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	551	17	0
2	550	18	0
3	549	19	0
4	547	20	0
5	544	21	0
6	541	22	0
7	545	23	0
8	552	24	0
9	551	25	0
10	555	26	0
11	521	27	297
12	0	28	421
13	0	29	507
14	0	30	551
15	0	31	548
16	0		

INSTRUCTIONS

On this format, list the average daily unit power level in MWe-Net for each day in the reporting month. Compute to the nearest whole megawatt.

(9/77)