NIAGARA MOHAWK POWER CORPORATION

NINE MILE POINT NUCLEAR STATION UNIT #1

NARRATIVE OF OPERATING EXPERIENCE

MAY 1980

The station operated with a monthly availability factor of 100% and a net design electrical capacity factor of 95.6%. During the entire month #15 Reactor Recirculation Pump was out of service and isolated due to mechanical problems. Capacity factor loss was due to the following:

On May 17 station power was reduced to approximately 40% to inspect the main condenser water boxes and to test for tube leaks. Several leaks were discovered and plugged.

CLASS I SYSTEM EQUIPMENT WORKED ON FOR MAY 1980

1. Electrical Department replaced broken starting coil for condensate transfer pump.

2. Continue to spray flame retardent material on System I wire trays.

3. Mechanics completed restraints for piping on Class I systems in regards to NRC Bulletin 79-14.

4. Replaced high pressure head piston rod packing and two discharge valves on #11 instrument air compressor.

5. Inspected heat exchangers on instrument air compressor system and also replaced discharge air to system filters.

CLASS I WORK - I&C MAINTENANCE - MAY 1980

#13533 - R.P.S. - PS#1 Replace Capacitor.

#13535 - Replaced power supplies (4) - R.P.S. Sys.

#13536 - FDI-NTBQ Rev. 1 on Rx Press HiHi A & D and Dry Hi Press B & C

OPERATING DATA REPORT

DOCKET NO. 50-220
DATE 6/3/80
COMPLETED BY T.W. Roman
TELEPHONE (315)343-2110
X1383

OPERATING STATUS

1. Unit Name: Nine Mile Point #1
2. Reporting Period: 5/1/80 - 5/31/80
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
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:

Notes

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	744.0	3,647.0	92,759.0
12. Number Of Hours Reactor Was Critical	744.0	3,468.4	68,821.1
13. Reactor Reserve Shutdown Hours	0	0	1,204.2
14. Hours Generator On-Line	744.0	3,438.3	66,248.8
15. Unit Reserve Shutdown Hours	0	0	-0-
16. Gross Thermal Energy Generated (MWH)	1,350,026.0	5,986,753.0	107,728,155.4
17. Gross Electrical Energy Generated (MWH)	454,926.0	2,016,005.0	35,525,515.0
18. Net Electrical Energy Generated (MWH)	441,011.0	1,951,073	34,400,838.0
19. Unit Service Factor	100.0	94.3	71.4
20. Unit Availability Factor	100.0	94.3	71.4
21. Unit Capacity Factor (Using MDC Net)	97.2	87.7	60.8
22. Unit Capacity Factor (Using DER Net)	95.6	86.3	59.8
23. Unit Forced Outage Rate	0	0	8.9

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		

(9/77)

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AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-220
UNIT Nine Mile Pt. #1
DATE May 1980
COMPLETED BY T.W. Roman
TELEPHONE (315)343-2110
X1383

MONTH May 1980

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	600	17	391
2	600	18	555
3	598	19	594
4	599	20	596
5	599	21	597
6	599	22	599
7	599	23	606
8	600	24	601
9	599	25	603
10	599	26	602
11	601	27	602
12	603	28	602
13	605	29	600
14	606	30	602
15	606	31	603
16	605		

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.

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UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH May 1980

DOCKET NO. 50-220
UNIT NAME Nine Mile Pt. #1
DATE May 1980
COMPLETED BY T.W. Roman
TELEPHONE (315)343-2110 X1383

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
80-14	800517	S	0	B	4				Load reduction to 40% power to inspect condenser tubes and plug leaks

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

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UNIT SHUTDOWNS AND POWER REDUCTIONS

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