

NIAGARA MOHAWK POWER CORPORATION

NINE MILE POINT NUCLEAR STATION UNIT #1

NARRATIVE OF OPERATION EXPERIENCE

APRIL 1980

The station operated with a monthly availability factor of 100% and a net design electrical capacity factor of 91.6%. 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 April 21 a fire started on #13 Shaft Driven Feedwater Pump piping insulation, causing the pump to be removed from service. During the approximately two-day period the pump was out of service, lubricating oil leaks were repaired and non-destructive examinations were performed on the piping. During this period the station operated at an approximate average of 60% power.

On April 26 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 RELATED EQUIPMENT WORKED ON FOR APRIL 1980

1. Repaired water connection on #11 instrument air compressor.
2. Plugged one tube for #13 T.B.C.L.C. heat exchanger.
3. Replaced filters on instrument air dryer.
4. Replaced inlet valves on #11 instrument air compressor, low pressure side.
5. Flushed out service water side of both sets of turbine and reactor building heat exchangers.
6. Replaced #16 condensate discharge strainers.
7. Repaired contactor at power board for emergency vent duct heater.

CLASS I WORK - I&C MAINTENANCE - APRIL 1980

- #13516 - Emergency Vent 11 Humidity YM+R
- #13521 - Power Supply on Analog Trip System "A" cab. filt. capacitor.
- #13525 - Replace filter capacitor on "D" cab., R.P.B. Analog Trip Sys.
- #3573 - FDI-NTBQ Rev. 0 on Master Trip Units
- #13531 - R.P.S. Cab "C" P.S. #2 replace capacitor C₂
- #3916 - 12 H²O₂ sample stream selector - replaced Relay K1.
- #4008 - R.P.S. inst. 36-05 - Adj. gross failure set point.

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH April 1980

DOCKET NO. 50-220
 UNIT NAME Nine Mile Point Unit 1
 DATE May 2, 1980
 COMPLETED BY T. W. Roman *TWR*
 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
80-12	800421	F	0	A	4				Load reduction to 60% power due to loss of shaft driven FW pump (fire)
80-13	800426	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 of 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

OPERATING DATA REPORT

DOCKET NO. 50-220
 DATE 5/2/80
 COMPLETED BY T.W. Roman
 TELEPHONE (315) 343-2110
 Ext. 1383

OPERATING STATUS

1. Unit Name: Nine Mile Point Unit #1
2. Reporting Period: 4/1/80 - 4/30/80
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	<u>719.0</u>	<u>2903.0</u>	<u>92015.0</u>
12. Number Of Hours Reactor Was Critical	<u>719.0</u>	<u>2724.4</u>	<u>60877.1</u>
13. Reactor Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
14. Hours Generator On-Line	<u>719.0</u>	<u>2694.0</u>	<u>65504.8</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
16. Gross Thermal Energy Generated (MWH)	<u>1,255,271</u>	<u>4,636,727</u>	<u>106,378,129</u>
17. Gross Electrical Energy Generated (MWH)	<u>421,776</u>	<u>1,560,989</u>	<u>35,070,499</u>
18. Net Electrical Energy Generated (MWH)	<u>408,418</u>	<u>1,509,972</u>	<u>33,959,737</u>
19. Unit Service Factor	<u>100</u>	<u>92.8</u>	<u>71.2</u>
20. Unit Availability Factor	<u>100</u>	<u>92.8</u>	<u>71.2</u>
21. Unit Capacity Factor (Using MDC Net)	<u>93.1</u>	<u>85.3</u>	<u>60.5</u>
22. Unit Capacity Factor (Using DER Net)	<u>91.6</u>	<u>83.9</u>	<u>59.5</u>
23. Unit Forced Outage Rate	<u>0</u>	<u>0</u>	<u>8.9</u>
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	_____	_____

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-220
 UNIT 9 Mile Pt. No. 1
 DATE May 2, 1980
 COMPLETED BY T.W. Roman
 TELEPHONE (315)343-2110
 Ext. 1383

MONTH April 1980

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	594	17	599
2	595	18	599
3	599	19	599
4	604	20	599
5	605	21	472
6	603	22	238
7	604	23	449
8	603	24	548
9	609	25	587
10	603	26	378
11	601	27	549
12	605	28	594
13	602	29	597
14	605	30	600
15	605	31	
16	601		

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.