

OPERATING DATA REPORT

DOCKET NO. 50-220  
 DATE 5/8/79  
 COMPLETED BY T.J. Perkins  
 TELEPHONE 315-343-2110  
 Ext. 1312

OPERATING STATUS

1. Unit Name: Nine Mile Point Unit #1  
 2. Reporting Period: 04/01/79 - 04/30/79  
 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	720	2,160.0	82,512
12. Number Of Hours Reactor Was Critical	0	1,419.1	60,891.8
13. Reactor Reserve Shutdown Hours	0	0	1204.2
14. Hours Generator On-Line	0	1,399.6	58,422.4
15. Unit Reserve Shutdown Hours	0	0	20.2
16. Gross Thermal Energy Generated (MWH)	0	2,237,838	94,592,599
17. Gross Electrical Energy Generated (MWH)	0	654,018	31,058,204
18. Net Electrical Energy Generated (MWH)	0	629,050	30,073,426
19. Unit Service Factor	0	65.7	70.8
20. Unit Availability Factor	0	65.7	70.8
21. Unit Capacity Factor (Using MDC Net)	0	48.3	59.8
22. Unit Capacity Factor (Using DER Net)	0	47.5	58.8
23. Unit Forced Outage Rate	0	3.7	9.9

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: June 1, 1979

26. Units In Test Status (Prior to Commercial Operation):

	Forecast	Achieved
INITIAL CRITICALITY	_____	_____
INITIAL ELECTRICITY	_____	_____
COMMERCIAL OPERATION	_____	_____



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UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-220  
 UNIT NAME Nine Mile Point Unit #1  
 DATE 5/8/79  
 COMPLETED BY T.J. Perkins  
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REPORT MONTH April

No.	Date	Type <sup>1</sup>	Duration (Hours)	Reason <sup>2</sup>	Method of Shutting Down Reactor <sup>3</sup>	Licensee Event Report #	System Code <sup>4</sup>	Component Code <sup>5</sup>	Cause & Corrective Action to Prevent Recurrence
	3/3/79	S		C	1				Unit Shutdown for Refuel and Overhaul

<sup>1</sup>  
 F: Forced  
 S: Scheduled

<sup>2</sup>  
 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)

<sup>3</sup>  
 Method:  
 1-Manual  
 2-Manual Scram.  
 3-Automatic Scram.  
 4-Other (Explain)

<sup>4</sup>  
 Exhibit G - Instructions for Preparation of Data Entry Sheets for Licensee Event Report (LER) File (NUREG-0161)

<sup>5</sup>  
 Exhibit I - Same Source



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AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-220

UNIT Nine Mile Point #1

DATE 5/8/79

COMPLETED BY T.J. Perkins

TELEPHONE 315-343-2110, Ext. 1312

MONTH April

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	0	17	0
2	0	18	0
3	0	19	0
4	0	20	0
5	0	21	0
6	0	22	0
7	0	23	0
8	0	24	0
9	0	25	0
10	0	26	0
11	0	27	0
12	0	28	0
13	0	29	0
14	0	30	0
15	0	31	0
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.



NIAGARA MOHAWK POWER CORPORATION

NINE MILE POINT NUCLEAR STATION UNIT #1

NARRATIVE OF OPERATING EXPERIENCE

APRIL 1979

The following is a continuation from the March 1979 report of major maintenance, modifications, and outage progress marker events listed by date completed. Hours are from start of job program schedule for the event listed such as 9 hours per day, 24 hours per day, etc. and show elapsed job hours where start and stop is indicated.

<u>DATE</u>	<u>HOUR</u>	<u>ACTIVITY</u>
April 1	728	Start installation of new Torus drain valves
April 2	746	Start of out-of-core sipping of fuel bundles
April 3	785	Start Emergency Condenser safe end repairs
April 4	612	Repaired air diaphragm leak on EC IV 39-13
April 5	621	Replaced limit switch MSIV 01-01
April 5	832	Replaced stem on EC return valve 39-01
April 6	855	Completed sipping of 352 fuel bundles
April 10	720	Cleaned seat and disc housing on IV 201.7-10 and IV 201.7-01. Cleaned valve seat IV 68-06 and greased stem.
April 11	729	Re-installed high pressure rotor in turbine.
April 12	747	Repaired bonnet flange leak on EC steam valve IV 39-10
April 12	1003	Completed installation of new piping in cleanup system between IV 33-01 and IV 33-03 and IV 33-04.
April 16	828	Cleaned partially plugged cooling water lines to core spray pumps 81-03, 81-04, 81-23, and 81-24.  Repacked, cleaned and installed new gaskets at EC IV 39-06
April 17	1112	Installed new tubing for travelling incore probes (flux monitors)
April 18	1140	Completed successful leak rate test on MISV 01-01 following repairs. Welded and machined poppet gride pad and lapped stem to poppet pilot seal.



<u>DATE</u>	<u>HOURL</u>	<u>ACTIVITY</u>
April 21	1219	Installed replacement calibrated flow nozzle in CRD system for use during ILRT
April 23	945	Changed bearings MG Sets 131 and 141
April 23	1260	Installed new calibrated flow nozzle to measure let down from cleanup system during ILRT.
April 24	963	Replaced brushes in recirculation pump MG sets
April 24	961	Repaired leak in cleanup system regeneration heat exchanger vent line
April 26	1008	Installed new soft seal on IV 201-10
April 26	1336	Completed installation of new torus drain valves
April 28	1044	Installed new rubber "o" ring and double gasket at torus vacuum relief valve.

Repairs to the emergency condenser safe end were not completed at end of reporting period. Other major maintenance and outage progress marker events will be reported in the month when completed.

#### COMPLETED MODIFICATIONS

April 4	Mod #78.22 - Added new low band radio antenna on the Reactor Building and relocated transmitter from Turbine Building to Reactor Building. In addition, added high band system with personnel beepers. The modification does not involve an unreviewed safety question.
April 6	Mod #77.07 - Removed housing covers from the turbine intercept valves on the turbine floor to permit free air flow from condenser area below. The modification is part of the fire protection improvements and is not an unreviewed safety question.
April 9	Mod #78.29 - Installed test taps on reactor emergency ventilation ducts to provide for test flow verification of the reactor building emergency vent flow metering. The taps meet the quality control requirements for safety related systems and have plugs to prevent leakage into the turbine building. This modification does not involve an unreviewed safety question.
April 10	Mod #74.33 - Completed improved installation of redundant temperature sensors and recorders for circulating water inlet and outlet flumes and the condenser inlet. This is to provide compliance with NPDES requirements and does not constitute an unreviewed safety question.



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Completed Modifications (continued)

April 10      Mod #78.08 - Replaced impellers in all feedwater pumps with a new design to improve wear characteristics of the impellers and seals. This modification for pumps 29-02, 29-03 (11 & 12) is subject to the quality requirements of Appendix B, 10 CFR 50 but does not involve an unreviewed safety question.

Additional modifications to the station in progress during the outage will be reported in the month when completed.

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