

November 15, 2000  
(NMP95134)

United States Nuclear Regulatory Commission  
Attn: Document Control Desk  
Washington, DC 20555

RE: Nine Mile Point Unit 2  
Docket No. 50-410  
NPF-69

Subject: Monthly Operating Report for October 2000

Dear Sir:

Submitted herewith is the Operating Data Report, the Unit Shutdowns, and Summary of Operating Experience for October 2000.

Very truly yours,



M. F. Peckham  
Plant Manager - NMP2

/db

Attachments

xc: H.J. Miller, Regional Administrator, Region I  
G.K. Hunegs, Senior Resident Inspector  
Records Management

IE24

**NIAGARA MOHAWK POWER CORPORATION**  
**NINE MILE POINT NUCLEAR STATION UNIT #2**  
**SUMMARY OF OPERATING EXPERIENCE**

Nine Mile Point Unit Two operated with a capacity factor (MDC) of 85.62% and an availability factor of 91.15% for the month of October 2000.

On October 21, 2000 at 0019 hours while operating at 100% of rated core thermal power, the Control Room received a high level alarm on the fourth point "B" feedwater heater. This alarm was followed by numerous other alarms. Core thermal power was immediately reduced to approximately 88%. Investigations concluded that the air line going to the level positioner, 2HDL-LV4B had failed. The line was repaired and the unit returned to 100% of rated core thermal power at 1113 hours.

On October 25, 2000 at 0546 hours, Nine Mile Point Unit 2 was making adjustments to recirculation flow for power maintenance. As core thermal power was increased, Operations gave valve 2RCS\*HYV17A a two (2) second close signal to maintain core thermal power below the Licensing limit. At 0756 hours, Nine Mile Point Unit Two entered single loop operation after experiencing a failure of the "A" Reactor Recirculation flow control valve in the closed direction. The unit remained in single loop operation at approximately 62% of rated thermal power, the maximum achievable power for the plant condition. Troubleshooting continued until October 28, 2000 when the decision was made to recover the recirculation loop. After an unsuccessful attempt to restore the idle loop to service, following extensive valve troubleshooting and testing, at approximately 0200 on October 29, 2000, the decision was made to shutdown the unit to facilitate a drywell entry. An orderly shutdown was in progress when at 0604 hours a high vibration alarm on #4 Main Turbine bearing was received in the Control Room. The Main Turbine was manually tripped off line and the reactor down power continued. At 1640 hours, the reactor was manually scrammed.

Investigations concluded that the RCS valve closed initially due to a fouled servo valve. Additionally, when the "A" recirculation pump was restarted, a second independent failure was detected. A faulty RVDT coupling was found. The RVDT and coupling were replaced and rewired as well as the servo were replaced on "A" loop. Investigations into the "B" loop found high resistance on the terminal connectors. Therefore, "B" loop RVDT and coupling were replaced and rewired as a preventive measure.

At the end of this reporting period, Nine Mile Point Unit Two remained shut down with an expected start up date of November 4, 2000.

There were no challenges to the safety relief valves during this period.

**OPERATING DATA REPORT**

**DOCKET NO.: 50-410**

**DATE: 001107**

**PREPARED BY: C. Caroccio**

**TELEPHONE: (315) 349-4615**

**OPERATING STATUS**

<b>Unit Name:</b>	<b>Nine Mile Point Unit #2</b>
<b>Reporting Period:</b>	<b>October 2000</b>
<b>1. Design Electrical Rating (MWe)</b>	<b>1143.3</b>
<b>2. Maximum Dependable Capacity (Net MWe):</b>	<b>1123.4</b>

	<u><b>This Month</b></u>	<u><b>Yr-to-Date</b></u>	<u><b>Cumulative</b></u>
<b>3. Number of Hours Reactor was Critical</b>	<b>690.0</b>	<b>5,949.7</b>	<b>85,702.6</b>
<b>4. Hours Generator On-Line</b>	<b>679.1</b>	<b>5,836.7</b>	<b>83,046.0</b>
<b>5. Reactor Reserve Shutdown Hours</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
<b>6. Net Electrical Energy Gen. (MWH)</b>	<b>716,588.4</b>	<b>6,461,959.1</b>	<b>85,659,923.7</b>

**UNIT SHUTDOWNS**

DOCKET NO: 50-410

UNIT NAME: NMP#2

DATE: 001005

PREPARED BY: C. Caroccio

TELEPHONE: (315) 349-4615

**APPENDIX B  
REPORTING PERIOD - OCTOBER 2000**

No.	Date	Type F: Forced S: Scheduled	Duration (Hours)	Reasons <sup>1</sup>	Method of Shutting Down <sup>2</sup>	Cause & Corrective Actions Comments
00-04	001129	F	66.93	A	2	Hydraulic Flow Control Valve failed, replaced servo and RVDT. See Summary

<sup>1</sup>

**Reason:**

- A-Equipment Failure (Explain)
- B-Maintenance or Test
- C-Refueling
- D-Regulatory Restriction
- E-Operator Training & License Exam
- F-Administrative
- G-Operational Error (Explain)
- H-Other (Explain)

<sup>2</sup>

**Method:**

- 1-Manual
- 2-Manual Trip/Scram
- 3-Automatic Trip/Scram
- 4-Continuation
- 5-Other (Explain)