

NIAGARA MOHAWK POWER CORPORATION  
NINE MILE POINT NUCLEAR STATION UNIT #1

NARRATIVE OF OPERATING EXPERIENCE

February 1982

The Station operated during the Month of February with a monthly availability factor of 100% and a net design electrical Capacity Factor of 97.8%. Reduction of Capacity Factor was due to fuel preconditioning after assuming (4) recirculation pump operation on 2/7/82 and power reduction for circulating water flow reversals due to intake icing on 2/25/82.

CLASS I WORK - MAINTENANCE - FEBRUARY 1982

- #16671 - 2/1/82 - Welded pipe nipple on outboard side of valve #387 on the drywell vent and purge systems.
- #14595 - 2/23-24/82 - Feedwater valve #30-11, reinjected Furmanite material into valve bonnet gasket area.

CLASS I WORK - INSTRUMENTATION AND CONTROL - FEBRUARY 1982

- #15918 - #11 Fuel pool F.C.V. not controlling steady. (Recalibrated loop)

CLASS I WORK - ELECTRICAL - FEBRUARY 1982

125 VDC Battery cell voltage and specific gravity test.

Major order 1076, CAM System.

MODIFICATIONS - FEBRUARY 1982

Mod. No. NI-81-01  
MO #2033  
Mod. Masonry Walls - IE Bulletin 80-11

The subject bulletin required that all masonry walls whose failure could affect safety related systems be re-evaluated. The results of this re-evaluation indicated six (6) walls out of seventy-five (75) required modifications, five (5) of which required bracing at the top to provide lateral restraint for resisting resultant seismic forces. The other wall required the elimination of a bearing force resulting from a pipe resting on the wall at a point where it penetrated the wall.

The modifications necessary for the six (6) masonry walls are safety related and were performed in accordance with 10CFR50, Appendix B.

# OPERATING DATA REPORT

DOCKET NO. 50-220  
 DATE 3/8/82  
 COMPLETED BY TW Roman  
 TELEPHONE (315) 343-2110  
 X1383

## OPERATING STATUS

1. Unit Name: Nine Mile Point Unit #1
2. Reporting Period: 02/01/82 - 02/28/82
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  | 672.0       | 1416.0      | 108,072.0     |
| 12. Number Of Hours Reactor Was Critical                                       | 672.0       | 1416.0      | 80,850.5      |
| 13. Reactor Reserve Shutdown Hours   | 0.0         | 0.0         | 1,204.2       |
| 14. Hours Generator On-Line  | 672.0       | 1416.0      | 78,105.8      |
| 15. Unit Reserve Shutdown Hours  | 0.0         | 0.0         | 20.4          |
| 16. Gross Thermal Energy Generated (MWH)                                       | 1,228,908.0 | 2,586,524.0 | 128,539,821.0 |
| 17. Gross Electrical Energy Generated (MWH)                                    | 419,837.0   | 884,415.0   | 42,457,714.0  |
| 18. Net Electrical Energy Generated (MWH)                                      | 407,570.0   | 857,903.0   | 41,115,796.0  |
| 19. Unit Service Factor  | 100.0       | 100.0       | 72.3          |
| 20. Unit Availability Factor   | 100.0       | 100.0       | 72.3          |
| 21. Unit Capacity Factor (Using MDC Net)                                       | 99.4        | 99.3        | 62.4          |
| 22. Unit Capacity Factor (Using DER Net)                                       | 97.8        | 97.7        | 61.4          |
| 23. Unit Forced Outage Rate  | 0.0         | 0.0         | 8.2           |
| 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                                      |          |          |

## UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH February 1982

DOCKET NO. 50-220  
 UNIT NAME 9 Mile Pt. #1  
 DATE 3/8/82  
 COMPLETED BY TW Roman  
 TELEPHONE (315) 343-2110  
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| No.  | Date   | Type <sup>1</sup> | Duration<br>(Hours) | Reason <sup>2</sup> | Method of<br>Shutting<br>Down Reactor <sup>3</sup> | Licensee<br>Event<br>Report # | System<br>Code <sup>4</sup> | Component<br>Code <sup>5</sup> | Cause & Corrective<br>Action to<br>Prevent Recurrence   |
|------|--------|-------------------|---------------------|---------------------|--|-------------------------------|-----------------------------|--------------------------------|---|
| 8202 | 820206 | F                 | 21                  | A                   |  |                               |                             |                                | Load reduction caused by loss of off-site 115 KV. Subsequent loss of #13 Recirc Pump resulted in 4 loop operation at 90.5%. |
| 8203 | 820224 | F                 | 3                   | H                   |  |                               |                             |                                | Load reduction to 80% power to reverse circ water flow (intake ice).  |

<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

# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-220

UNIT 9 Mile Pt. #1

DATE 3/8/82

COMPLETED BY TW Roman *TW Roman*

TELEPHONE (315) 343-2110  
X1383

MONTH February 1982

| DAY | AVERAGE DAILY POWER LEVEL<br>(MWe-Net) |
|-----|--|
| 1   | <u>606</u>                             |
| 2   | <u>609</u>                             |
| 3   | <u>609</u>                             |
| 4   | <u>611</u>                             |
| 5   | <u>611</u>                             |
| 6   | <u>562</u>                             |
| 7   | <u>611</u>                             |
| 8   | <u>601</u>                             |
| 9   | <u>602</u>                             |
| 10  | <u>608</u>                             |
| 11  | <u>612</u>                             |
| 12  | <u>610</u>                             |
| 13  | <u>609</u>                             |
| 14  | <u>609</u>                             |
| 15  | <u>610</u>                             |
| 16  | <u>613</u>                             |

| DAY | AVERAGE DAILY POWER LEVEL<br>(MWe-Net) |
|-----|--|
| 17  | <u>612</u>                             |
| 18  | <u>612</u>                             |
| 19  | <u>612</u>                             |
| 20  | <u>609</u>                             |
| 21  | <u>609</u>                             |
| 22  | <u>609</u>                             |
| 23  | <u>612</u>                             |
| 24  | <u>609</u>                             |
| 25  | <u>579</u>                             |
| 26  | <u>608</u>                             |
| 27  | <u>609</u>                             |
| 28  | <u>609</u>                             |
| 29  | <u>---</u>                             |
| 30  | <u>---</u>                             |
| 31  | <u>---</u>                             |

## 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.