

# OPERATING DATA REPORT

DOCKET NO. 50-220  
 DATE 1/2/82  
 COMPLETED BY T. Roman *twR/2ca*  
 TELEPHONE (315) 343-2110  
 X1383

## OPERATING STATUS

1. Unit Name: Nine Mile Point Unit #1
2. Reporting Period: 12/01/81 to 12/31/81
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

Notes

8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:

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       | 8,760.0      | 106,656.0     |
| 12. Number Of Hours Reactor Was Critical                                       | 744.0       | 5,869.4      | 79,434.5      |
| 13. Reactor Reserve Shutdown Hours   | 0.0         | 0.0          | 1,204.2       |
| 14. Hours Generator On-Line  | 744.0       | 5,781.2      | 76,689.8      |
| 15. Unit Reserve Shutdown Hours  | 0.0         | 0.0          | 20.4          |
| 16. Gross Thermal Energy Generated (MWH)                                       | 1,361,975.0 | 10,095,788.0 | 125,993,297.0 |
| 17. Gross Electrical Energy Generated (MWH)                                    | 465,106.0   | 3,374,383.0  | 41,573,299.0  |
| 18. Net Electrical Energy Generated (MWH)                                      | 451,473.0   | 3,270,340.0  | 40,257,893.0  |
| 19. Unit Service Factor  | 100.0       | 66.0         | 71.9          |
| 20. Unit Availability Factor   | 100.0       | 66.0         | 71.9          |
| 21. Unit Capacity Factor (Using MDC Net)                                       | 99.5        | 61.2         | 61.9          |
| 22. Unit Capacity Factor (Using DER Net)                                       | 97.9        | 60.2         | 60.9          |
| 23. Unit Forced Outage Rate  | 00.0        | 1.8          | 8.3           |
| 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):

INITIAL CRITICALITY  
 INITIAL ELECTRICITY  
 COMMERCIAL OPERATION

| Forecast | Achieved |
|----------|----------|
| _____    | _____    |
| _____    | _____    |
| _____    | _____    |

# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-220  
 UNIT Nine Mile #1  
 DATE 1/7/82  
 COMPLETED BY T. Roman *twr/xxx*  
 TELEPHONE (315) 343-2110  
X1383

MONTH December 1981

| DAY | AVERAGE DAILY POWER LEVEL<br>(MWe-Net) |
|-----|--|
| 1   | <u>602</u>                             |
| 2   | <u>604</u>                             |
| 3   | <u>606</u>                             |
| 4   | <u>608</u>                             |
| 5   | <u>606</u>                             |
| 6   | <u>607</u>                             |
| 7   | <u>607</u>                             |
| 8   | <u>609</u>                             |
| 9   | <u>607</u>                             |
| 10  | <u>607</u>                             |
| 11  | <u>608</u>                             |
| 12  | <u>607</u>                             |
| 13  | <u>606</u>                             |
| 14  | <u>608</u>                             |
| 15  | <u>608</u>                             |
| 16  | <u>608</u>                             |

| DAY | AVERAGE DAILY POWER LEVEL<br>(MWe-Net) |
|-----|--|
| 17  | <u>607</u>                             |
| 18  | <u>610</u>                             |
| 19  | <u>614</u>                             |
| 20  | <u>607</u>                             |
| 21  | <u>584</u>                             |
| 22  | <u>596</u>                             |
| 23  | <u>609</u>                             |
| 24  | <u>611</u>                             |
| 25  | <u>608</u>                             |
| 26  | <u>612</u>                             |
| 27  | <u>609</u>                             |
| 28  | <u>609</u>                             |
| 29  | <u>609</u>                             |
| 30  | <u>610</u>                             |
| 31  | <u>609</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.

## UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH Dec. 1981

DOCKET NO. 50-220  
 UNIT NAME Nine Mile #1  
 DATE 1/7/82  
 COMPLETED BY T. Roman *TRK/oca*  
 TELEPHONE (315)343-2110  
X1383

| 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 |
|-----|------|-------------------|---------------------|---------------------|--|-------------------------------|-----------------------------|--------------------------------|---|
|     |      |                   |                     |                     | NONE   | THIS MONTH                    |                             |                                |   |

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

<sup>2</sup>  
 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)

<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

NIAGARA MOHAWK POWER CORPORATION

NINE MILE POINT NUCLEAR STATION UNIT #1

NARRATIVE OF OPERATING EXPERIENCE

December 1981

The Station operated during the month of December with a monthly availability factor of 100% and a net design electrical rating capacity factor of 97.9.

CLASS I WORK - MAINTENANCE - DECEMBER 1981

- #17087 - Overhauled #12 Inst. Air Comp.
- #17174 - Placed new yoke on FW Valve #30-32

CLASS I WORK - INSTRUMENTATION AND CONTROL - DECEMBER 1981

- #17109 - #172 MG set unstable speed control  
(replaced SCR in control package)
- #17113 - Hi drywell press. ind. reading low  
(loose nut on indicator)
- #17134 - Elect. penetration XE 198-PLN. E. Loosing Press.  
(replaced fitting)

CLASS I WORK - ELECTRICAL - DECEMBER 1981

MST-01-M 125V DC Battery 11 and 12.

MODIFICATIONS - DECEMBER 1981

Mod. No. N1-80.12  
Maj. Or. No. 1852  
Mod. TMI-Increased Range Monitoring System

This modification included installation of two radiation detection and indication units with recording ability. The two detectors are each located in spare mechanical penetration sleeves in the drywell.

Each detector has an indicator and trip unit. The trip unit being located in the Auxiliary Control Room. Both monitors have input to the computer in the Control Room and TSC.

The radiation monitors are not safety related. However, the penetration modification was performed in accordance with the requirements of 10 CFR 50, Appendix B.

MODIFICATIONS - DECEMBER 1981  
(Continued)

Mod. No. N1-80.38

Maj. Or. No. 1843 w.p. #4

Mod. Instrumentation for Inadequate Core Cooling

This modification is a system whereby the reactor water level is monitored for unambiguous indication of inadequate core cooling. The system monitors the water level from the bottom of active fuel to normal water level. The system is also temperature and pressure compensated through a microprocessor. With the exception of the microprocessor, the system is designed to class 1E and 10 CFR 50, Appendix B.

This system will not effect any safety system.