

NIAGARA MOHAWK POWER CORPORATION  
NINE MILE POINT NUCLEAR STATION UNIT #1  
NARRATIVE OF OPERATING EXPERIENCE

The station operated during the month of August 1984 with a Unit Availability Factor of 100.0 and a Net Design Electrical Capacity Factor of 93.0. There were 0 challenges to Electromatic Relief Valves. Reductions in Capacity Factor were due to warm circulation water temperatures.

CLASS I WORK - INSTRUMENTATION & CONTROL - AUGUST 1984

WR# 28571 Diesel Fuel Oil System #103 Diesel Generator  
(Repaired Level Switches)  
WR# 28302 #11 Feedwater Pump 2" Recirculation Valve  
(Replaced E/P Transducer)  
WR# 27934 Containment Radiation Monitoring & H<sub>2</sub> - O<sub>2</sub> (201.7 11B, C)  
(Installed SOV's WP#201.7-8)  
WR# 27938 Containment Radiation Monitoring & H<sub>2</sub> - O<sub>2</sub> (201.7 09B, C)  
(Installed SOV's WP#201.7-6 Rev. 1)  
WR# 27940 Containment Radiation Monitoring & H<sub>2</sub> - O<sub>2</sub> (201.7 08B, C)  
(Installed SOV's WP#201.7-5 Rev. 1)

CLASS I WORK - MECHANICAL MAINTENANCE - AUGUST 1984

WR# 28111 Remove wedges between the pipe and restraint (50-SR-6)  
WR# 21206 #11 Reactor Building Closed Loop Cooling Pump - inspect pump  
internals and replaced std. packing with mech. seals as per  
mod. 80-45  
WR# 28392 CRD Foot Valve for 26-39, replaced packing, and o-rings  
WR# 28391 CRD Foot Valve for 10-27, replaced packing, and o-rings  
WR# 28133 CRD Foot Valve for 10-11, replaced packing, and o-rings, and seat

DJP  
84/10/20/62



100-100000-100000

CLASS I WORK - ELECTRICAL MAINTENANCE - AUGUST 1984

N1-MST-M1      125 VDC Battery Pilot Cell Voltage and Specific Gravity Test

MO 1927      This major order involves updating station equipment for Equipment Qualification. The work performed includes wiring replacement solenoids, position limit switches and sealing the condulets. In addition, motor connections have been reworked and Limitorque operators inspected for replacement parts. The systems involved are H<sub>2</sub>-O<sub>2</sub> Containment Radiation Monitoring, Core Spray, Reactor Building Closed Loop Cooling and Post Accident Sampling.

WR# 27481      Instrument Air Compressors 11 & 12 timers. Inspected and cleaned wires.

WR# 28037      Reactor Shutdown Cooling Recirculation Valve #11 Adjusted microswitch for correct indication.



11

**OPERATING DATA REPORT**

DOCKET NO. 50-220  
 DATE 9/5/84  
 COMPLETED BY T.W. Roman  
 TELEPHONE 349-2422

**OPERATING STATUS**

1. Unit Name: Nine Mile Point Unit #1
2. Reporting Period: August 1984 8/1/84 - 8/31/84
3. Licensed Thermal Power (MWt): 1850
4. Nameplate Rating (Gross MWe): 640
5. Design Electrical Rating (Net MWe): 630
6. Maximum Dependable Capacity (Gross MWe): 620
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:

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9. Power Level To Which Restricted, If Any (Net MWe): \_\_\_\_\_
  10. Reasons For Restrictions, If Any: \_\_\_\_\_
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	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	744	5856.0	131136.2
12. Number Of Hours Reactor Was Critical	744	3569.5	89870.7
13. Reactor Reserve Shutdown Hours	0	0	20.4
14. Hours Generator On-Line	744	3506.5	86,994.8
15. Unit Reserve Shutdown Hours	0	0	1204.2
16. Gross Thermal Energy Generated (MWH)	1353699.0	6064082.0	144158522.0
17. Gross Electrical Energy Generated (MWH)	442840.0	2021484.0	47653265.0
18. Net Electrical Energy Generated (MWH)	428905.0	1959003.0	46153762.0
19. Unit Service Factor	100.0	53.1	66.3
20. Unit Availability Factor	100.0	53.1	66.3
21. Unit Capacity Factor (Using MDC Net)	94.5	48.7	57.7
22. Unit Capacity Factor (Using DER Net)	93.0	47.9	56.8
23. Unit Forced Outage Rate	0.0	0.0	16.8

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):

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25. If Shut Down At End Of Report Period, Estimated Date of Startup: \_\_\_\_\_

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



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AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-220  
 UNIT 9 Mile Pt. #1  
 DATE 9/5/84  
 COMPLETED BY T. W. Roman  
 TELEPHONE 349-2422

MONTH August 1984

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	585	17	569
2	587	18	570
3	585	19	562
4	584	20	593
5	581	21	589
6	564	22	584
7	556	23	583
8	546	24	582
9	549	25	584
10	552	26	584
11	559	27	585
12	586	28	586
13	593	29	585
14	598	30	583
15	571	31	582
16	556		

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.



12



UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH August 1984

DOCKET NO. 50-220  
 UNIT NAME 9 Mile Pt. #1  
 DATE 9/5/84  
 COMPLETED BY T.W. Roman  
 TELEPHONE (315) 349-2422

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
									None this month

<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

(9/77)



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