

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

The station operated during the month of October 1984 with a Unit Availability Factor of 100.0% and a Net Design Electrical Capacity Factor of 97.1%. There were 0 challenges to Electromatic Relief Valves. Reductions in Capacity Factor were due to Warm circulating water temperatures.

CLASS I WORK - MECHANICAL MAINTENANCE - OCTOBER 1984

WR# 29153	#13 Rx. Bldg. Closed Loop Cooling Heat Exchanger inspected, checked for leaks, plugged tubes,
WR# 28755	Air Start Solenoid on 102 D/G - replaced air start valve
WR# 29235	Diesel Generator 102 - repaired fuel oil leak
WR# 26237	Snubber #39-HS-8 - Tightened cylinder bolts,
WR# 28115	SOV Bracket for Valve 201.7-10 - installed new tapered washer
WR# 29254	Rx. Bldg. Air Lock 261' - greased fittings, tightened up screws, and cleaned dirt from door stop
WR# 29731	#11 CRD Filters - replaced filter elements
WR# 29210	Emergency condenser vent valve #05-11 - replaced packing

CLASS I WORK - ELECTRICAL MAINTENANCE - OCTOBER 1984

WR# 29200	Diesel Generator 102 - Inspected the electrical circuitry for the generator start and raw water pump. Circuit check acceptable, and diesel started properly.
WR# 29202	Post Accident Sampling - Solenoid Valve 122-04 was replaced with an equipment qualified solenoid.
WR# 29205	Reactor Building Closed Loop Cooling - #11 (70-01) motor was rewound due to a turn to turn short.
MO 1927	This major order involves updating station equipment for Equipment Qualification. The work performed includes wiring replacement solenoids, position limit switches, differential pressure transmitters and sealing the condulets. The systems involved are Emergency Condenser Vent, Reactor Building Emergency Ventilation, Condensate Make up to Torus, Containment Spray and Containment Spray Cooling Raw Water.

CLASS I WORK - INSTRUMENTATION & CONTROL - OCTOBER 1984

No Class I, Safety Related, Corrective Maintenance performed this month.

# OPERATING DATA REPORT

DOCKET NO 50-220  
 DATE 11/6/84  
 COMPLETED BY T. W. Roman  
 TELEPHONE (315) 349-2422

## OPERATING STATUS

1. Unit Name: Nine Mile Point Unit #1
2. Reporting Period: October 1984, 10/1/84 - 10/31/84
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
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	<u>745</u>	<u>7321.0</u>	<u>132,601.2</u>
12. Number Of Hours Reactor Was Critical	<u>745</u>	<u>5034.5</u>	<u>91,335.7</u>
13. Reactor Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>1204.2</u>
14. Hours Generator On-Line	<u>745</u>	<u>4971.5</u>	<u>88,459.8</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>20.4</u>
16. Gross Thermal Energy Generated (MWH)	<u>1374,183.0</u>	<u>8,761,059.0</u>	<u>146,855,499.0</u>
17. Gross Electrical Energy Generated (MWH)	<u>461,502.0</u>	<u>2,921,940.0</u>	<u>48553,721.0</u>
18. Net Electrical Energy Generated (MWH)	<u>448,288.0</u>	<u>2,832,919.0</u>	<u>47,027,678.0</u>
19. Unit Service Factor	<u>100.0%</u>	<u>67.9</u>	<u>66.7</u>
20. Unit Availability Factor	<u>100.0%</u>	<u>67.9</u>	<u>66.7</u>
21. Unit Capacity Factor (Using MDC Net)	<u>98.6%</u>	<u>63.4</u>	<u>58.1</u>
22. Unit Capacity Factor (Using DER Net)	<u>97.1%</u>	<u>62.4</u>	<u>57.2</u>
23. Unit Forced Outage Rate	<u>0</u>	<u>0</u>	<u>16.5</u>
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 9 Mile Pt. #1

DATE 11/6/84

COMPLETED BY TW Roman

TELEPHONE (315) 349-2422

MONTH October 1984

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	590
2	600
3	601
4	601
5	600
6	603
7	602
8	601
9	601
10	602
11	601
12	601
13	601
14	601
15	600
16	601

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	605
18	604
19	601
20	603
21	602
22	604
23	602
24	601
25	604
26	605
27	605
28	605
29	603
30	603
31	605

## INSTRUCTIONS

On this format, list the average daily unit power level in MWe-Net for each day in the reporting month. Round to the nearest whole megawatt.

## UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH October 1984

DOCKET NO. 50-220  
 UNIT NAME 9 Mile Pt. #1  
 DATE 11/6/84  
 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 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

NIAGARA  MOHAWK

300 ERIE BOULEVARD WEST  
SYRACUSE, N. Y. 13202

November 9, 1984

Director  
Office of Inspection and Enforcement  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555

Attn: Document and Control Desk

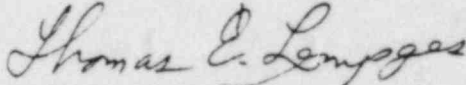
Re: Docket No. 50-220  
DPR-63

Dear Sir:

Submitted herewith is the Report of Operating Statistics and Shutdown for October 1984 for the Nine Mile Point Nuclear Station Unit #1.

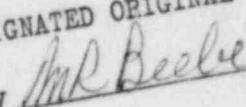
Also included is a narrative report of Operating Experience for October 1984.

Very truly yours,



Thomas E. Lempges  
Vice President  
Nuclear Generation

TEL/lo  
attachments  
cc: Director, Office of I&E (10 copies)

DESIGNATED ORIGINAL  
Certified By  12/7/84

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