

OPERATING DATA REPORT

DOCKET NO. 50-220
 DATE 12/7/81
 COMPLETED BY T. Roman
 TELEPHONE (315) 343-2110
 X1383

OPERATING STATUS

1. Unit Name: Nine Mile Point Unit #1
2. Reporting Period: 11/01/81 - 11/30/81
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
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	720.0	8,016.0	105,912.0
12. Number Of Hours Reactor Was Critical	720.0	5,125.4	78,690.5
13. Reactor Reserve Shutdown Hours	0.0	0.0	1,204.2
14. Hours Generator On-Line	720.0	5,037.2	75,945.8
15. Unit Reserve Shutdown Hours	0.0	0.0	20.4
16. Gross Thermal Energy Generated (MWH)	1,318,670.0	8,733,813.0	124,591,322.0
17. Gross Electrical Energy Generated (MWH)	448,720.0	2,909,277.0	41,108,193.0
18. Net Electrical Energy Generated (MWH)	435,546.0	2,818,867.0	39,806,420.0
19. Unit Service Factor	100.0	62.8	71.7
20. Unit Availability Factor	100.0	62.8	71.7
21. Unit Capacity Factor (Using MDC Net)	99.2	59.2	63.6
22. Unit Capacity Factor (Using DER Net)	97.6	58.3	62.6
23. Unit Forced Outage Rate	0.0	2.3	8.5
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

8204150376 811208
 PDR ADOCK 05000220
 R PDR

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH Nov. 1981

DOCKET NO. 50-220
 UNIT NAME Nine Mile #1
 DATE 12/7/81
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No.	Date	Type ¹	Duration (Hours)	Reason ²	Method of Shutting Down Reactor ³	Licensee Event Report #	System Code ⁴	Component Code ⁵	Cause & Corrective Action to Prevent Recurrence
									NONE THIS MONTH

¹
 F: Forced
 S: Scheduled

²
 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)

³
 Method:
 1-Manual
 2-Manual Scram.
 3-Automatic Scram.
 4-Other (Explain)

⁴
 Exhibit G - Instructions
 for Preparation of Data
 Entry Sheets for Licensee
 Event Report (LER) File (NUREG-
 0161)

⁵
 Exhibit I - Same Source

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-220

UNIT Nine Mile #1

DATE 12/7/81

COMPLETED BY T. Roman *T. Roman*

TELEPHONE (315) 343-2110
X1383

MONTH November 1981

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>605</u>
2	<u>605</u>
3	<u>607</u>
4	<u>604</u>
5	<u>604</u>
6	<u>606</u>
7	<u>603</u>
8	<u>608</u>
9	<u>607</u>
10	<u>604</u>
11	<u>605</u>
12	<u>606</u>
13	<u>604</u>
14	<u>606</u>
15	<u>605</u>
16	<u>604</u>

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	<u>604</u>
18	<u>608</u>
19	<u>606</u>
20	<u>605</u>
21	<u>605</u>
22	<u>607</u>
23	<u>607</u>
24	<u>606</u>
25	<u>607</u>
26	<u>604</u>
27	<u>595</u>
28	<u>601</u>
29	<u>603</u>
30	<u>603</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.

NIAGARA MOHAWK POWER CORPORATION

NINE MILE POINT NUCLEAR STATION UNIT #1

NARRATIVE OF OPERATING EXPERIENCE

November 1981

The Station operated during the month of November with a monthly availability factor of 100% and a net design electrical rating capacity factor of 97.6%.

CLASS I WORK - MAINTENANCE - NOVEMBER 1981

- #17037 - Cleaned #13 Cond. Demin. Strainer - 11/10/81
- #16669 - Rebuilt Snubber #29-HS-6. - 11/13/81
- #16668 - Performed Functional Test on Spare Snubber in Storeroom - Spare Snubber Has 3¼" Piston - 11/11/81
- #17041 - Furmanite 121 Reheater Ventilator Control Valve - 11/16/81
- #17043 - Furmanite AOPCV for HP Steam to 122 2nd Stage Reh. - 11/16/81
- #17054 - Replaced Union Blow Relief Valve on Regen. Heater in Clean-up Room - 11/20/81
- #17088 - Rebuilt High and Low Pressure Cylinders on #11 Air Comp. - 11/20/81
- #17117 - Changed Filters in #12 CRD Filter Housing - 11/30/81

CLASS I WORK - INSTRUMENTATION AND CONTROL - NOVEMBER 1981

- #17067 - #11 Inst. Air Comp. Cont. Switching - (Installed New Load - Unload Solinoid)

CLASS I WORK - ELECTRICAL - NOVEMBER 1981

Surveillance test procedure No. N1-ST-W11 125VDC BatteryCell Voltage and Specific Gravity Test
MO #1843 Inadequate Core Cooling

NIAGARA MOHAWK

NUCLEAR STATION

313-177 4 2-70A

REPORT OF OPERATION FOR 11/01/81 - 11/30/81 PERIOD ENDING 12:00 MN ☒ EST ☐ DST Nov. 1981

		UNIT NO.	1	Diesel UNIT NO.	102	Diesel UNIT NO.	103	TOTAL STATION	
<u>ELECTRICAL</u>									
1. GENERATION - NET	MWH		435,546					435,546	
2. HOUSE SERVICE	MWH		13,174.0					13,174.0	
3. GENERATION - GROSS	MWH		448,720.0					448,720.0	
4. MINIMUM HOUR GENERATION - NET	MW		554.0					554.0	
5. MAXIMUM HOUR GENERATION - NET	MW		615.0					615.0	
6. DATE & TIME - MAX. HR. LOAD			11/18/81 - 0700						
7. NOMINAL AVE. HYDROGEN PRESSURE	LBS.		45					45	
8. DIESEL GENERATOR	KWH				3,000		3,000	6,000	
<u>MECHANICAL</u>									
9. TURBINE - NO. OF STARTS			0					0	
10. BACK PRESSURE (NOTE 1)	IN HG		1.61					1.61	
11. CONDENSATE TEMP. (NOTE 1)	*F		102.0					102.0	
12. CIRC. WATER ENT. TEMP. (NOTE 1)	*F		49.0					49.0	
13. REACTOR-NO. OF STARTS			0					0	
14. THERMAL POWER	MW DAYS		54,944.6					54,944.6	
15. BURN UP	MWD/TON		523.7					523.7	
16. BURN UP REMAINING TO REFUEL	MWD/TON		6,066.9					6,066.9	
17. DIESEL GEN. NO. OF STARTS					1		1	2	
18. DIESEL FUEL BURNED	GAL				135		150	285	
<u>RATES</u>									
19. HOUSE SERVICE	%		2.9					2.9	
20. CAPABILITY FACTOR (NOTE 2)	%		99.2					99.2	
21. LOAD FACTOR (NOTE 3)	%		98.3					98.3	
22. HYDROGEN LEAKAGE RATE/DAY	CU FT		760.8					760.8	
23. WATER RATE - GROSS	LBS/KWH								
24.									
25. HEAT RATE (NOTE 4)	BTU/NET KWH		10,333.3					10,333.3	
26.									
<u>UNIT HOURS</u>									
27. ON LOAD	HRS		720.0					720.0	
28. AVAILABLE	HRS		720.0					720.0	
29. UNAVAILABLE	HRS		0.0					0.0	
30. TURBINE-CAUSED IDLE. (NOTE 5)	HRS								
31. TURBINE AUX " " "	HRS								
32. GENERATOR-CAUSED IDLE. "	HRS								
33. GENERATOR AUX " " "	HRS								
34. REACTOR CAUSED IDLENESS "	HRS								
35. REACT. AUX. " " "	HRS								
36. SYNCHRONOUS CONDENSER OPER.	HRS								
37.									
<u>FUEL SUMMARY</u>		TOTAL U	U235	U236	U238	PU239	PU240	PU241	PU242
KILOGRAMS									
38. START OF PERIOD									
39. RECEIVED									
40. SHIPPED									
41. SPENT -(PRODUCED)									
42. END OF PERIOD									

NOTES

- TAKEN AT TIME OF MAX HR. LOAD
- ITEM 1 = (NET RATED CAP. X PERIOD HRS.)
- ITEM 1 = (ITEM 3 X PERIOD HRS.)
- $[(ITEM 1) \times 24 \times 3412] \div ITEM 1$
- FORCED OUTAGE - F. SCHEDULED OUTAGE - S.

T.E. Lempges

C. Piper

T. Bassett

D. P. Dise

C. Geniac

W. Arlukewicz

S. Wilczek

M.A. Silliman

Factory Mutual

Frances Bleskoski

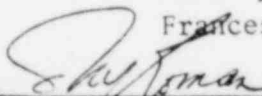
J. Hallenbeck

Power Control

J. Morris (GE)

C.V. Mangan

SIGNED



OUTAGES - UNITS AND AUXILIARIES

MONTH Nov., YEAR 1981

UNIT NO.	EQUIPMENT	DAY	AVAILABLE ON	TIME	HOURS UNAVAILABLE	PARTIALLY UNAVAILABLE		REASONS / REPAIRS
						HOURS	CAP.	
1	Rx	11/27		0930 1830	9.0		85%	Load Redu ction to 85% to Pull Control Rods For Flux Shaping
								<div>No. Hrs. Crit. <u>720.0</u></div> <div>No. Normal Shutdowns <u>0</u></div> <div>No. Scrams <u>0</u></div>