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 FACIL: 50-220 NINE MILE POINT #1, NIAGARA MOHAWK POWER CORP.
 AUTH. NAME AUTHOR AFFILIATION
 PERKINS, T.J. NIAGARA MOHAWK PWR
 RECIP. NAME RECIPIENT AFFILIATION

DOCKET #
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SUBJECT: Monthly Oper Rept for Nov 1978.

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OPERATING DATA REPORT

DOCKET NO. 50-220
 DATE December 5, 1978
 COMPLETED BY T.J. Perkins
 TELEPHONE 315-343-2110
 ext. 1312

OPERATING STATUS

1. Unit Name: Nine Mile Point Unit #1
2. Reporting Period: 11/01/78 - 11/30/78
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): 550 Mwe (net) 1702 Mwt
10. Reasons For Restrictions, If Any: 92% scram reactivity coast down

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	<u>720</u>	<u>8,016</u>	<u>79,608</u>
12. Number Of Hours Reactor Was Critical	<u>720</u>	<u>7,659.8</u>	<u>58,729</u>
13. Reactor Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>1,204</u>
14. Hours Generator On-Line	<u>720</u>	<u>7,588.6</u>	<u>56,278.8</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>20.2</u>
16. Gross Thermal Energy Generated (MWH)	<u>1,181,836</u>	<u>12,679,612</u>	<u>91,133,621</u>
17. Gross Electrical Energy Generated (MWH)	<u>387,357</u>	<u>4,210,845</u>	<u>29,922,557</u>
18. Net Electrical Energy Generated (MWH)	<u>374,330</u>	<u>4,070,477</u>	<u>29,047,400</u>
19. Unit Service Factor	<u>100</u>	<u>94.7</u>	<u>70.7</u>
20. Unit Availability Factor	<u>100</u>	<u>94.7</u>	<u>70.7</u>
21. Unit Capacity Factor (Using MDC Net)	<u>85.2</u>	<u>83.2</u>	<u>59.8</u>
22. Unit Capacity Factor (Using DER Net)	<u>83.9</u>	<u>81.9</u>	<u>58.9</u>
23. Unit Forced Outage Rate	<u>0</u>	<u>1.6</u>	<u>10.2</u>

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

March 4, 1979 Annual Shutdown, Overhaul and Refuel

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

781212063

(9/77)

SECRET

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-220
 UNIT Nine Mile Pt. Unit#1
 DATE December 5, 1978
 COMPLETED BY T.J. Perkins
 TELEPHONE 315-343-2110
ext. 1312

MONTH NOVEMBER

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>552</u>	17	<u>554</u>
2	<u>551</u>	18	<u>554</u>
3	<u>554</u>	19	<u>553</u>
4	<u>551</u>	20	<u>553</u>
5	<u>543</u>	21	<u>552</u>
6	<u>555</u>	22	<u>548</u>
7	<u>542</u>	23	<u>548</u>
8	<u>556</u>	24	<u>383</u>
9	<u>555</u>	25	<u>391</u>
10	<u>540</u>	26	<u>422</u>
11	<u>551</u>	27	<u>497</u>
12	<u>537</u>	28	<u>551</u>
13	<u>553</u>	29	<u>555</u>
14	<u>551</u>	30	<u>554</u>
15	<u>553</u>	31	<u> </u>
16	<u>553</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 NOVEMBER

DOCKET NO. 50-220
 UNIT NAME Nine Mile Pt. Unit 1
 DATE December 5, 1978
 COMPLETED BY T.J. Perkins
 TELEPHONE 315-343-2110
 ext. 1312

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
	11/05/78	S	3.6	H	1				Condensate Demin Change
	11/10/78	S	4.5	H	1				#12 Condensate Demin Change
	11/12/78	S	6.7	H	1				#13 Condensate Demin Change
	11/24/78	S	96	H	1				All Control Rods Full Out - Preconditioning

¹
 F: Forced
 S: Scheduled

²
 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)

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

(9/77)

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

NARRATIVE OF OPERATING EXPERIENCE

November 1978

The station operated at 85.2% electrical capacity factor with an availability of 100%. The unit is derated to 92.0% thermal power as a result of scram reactivity restrictions.

November 1-4	The unit operated at 92% power maintained with recirculation flow.
November 5	Reduced load to 500 MWe for condensate demineralizer change at 0005. At 0335 load was increased back to 558 MWe after demineralizer change.
November 6-9	The unit maintained 92% power with recirculation flow.
November 10	Reduced load to 500 MWe at 0130 for condensate demineralizer change. At 0558 load was returned to 560 MWe after demineralizer change.
November 11	Unit was operated at 92% power.
November 12	Reduced load to 500 MWe for condensate demineralizer change at 0132. At 0648 load was returned after demineralizer change.
November 13-21	Maintained load at 92% thermal power with recirculation flow. On the 21st, 100% recirc flow was reached.
November 21-24	Load slowly coasted down until 0600 on the 24th when power was reduced to 350 MWe for control rod pattern change to an all rods out configuration. At 0840 all control rods were at position 48. At 1345 pre-conditioning started at a rate of approximately 3 MWe/hr.
November 24-27	Increasing load as PCIOMR limits allow.
November 28	Reached 92% power (all rods out).
November 29-30	The unit maintained 92% power with recirculation flow.

