

CATEGORY 1

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 9901270186 DOC. DATE: ~~98/12/31~~ NOTARIZED: NO DOCKET #
 FACIL: 50-410 Nine Mile Point Nuclear Station, Unit 2, Niagara Moha. 05000410
 AUTH: NAME AUTHOR AFFILIATION
 CAROCCIO, C. Niagara Mohawk Power Corp.
 PALEOLOGOS, N.C. Niagara Mohawk Power Corp.
 RECIP. NAME RECIPIENT AFFILIATION

SUBJECT: Monthly operating rept for Dec 1998 for Nine Mile Point, Unit
2. With 990115 ltr.

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**NIAGARA
MOHAWK**

NINE MILE POINT—UNIT 2/P.O. BOX 63, LYCOMING, NY 13093/TELEPHONE (315) 343-2110

January 15, 1999
NMP2L 1847

United States Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, DC 20555

RE: Nine Mile Point Unit 2
Docket No. 50-410
NPF-69

Subject: Monthly Operating Statistics for December 1998

Dear Sir:

Submitted herewith is the Operating Data Report, the Unit Shutdowns and Power Reductions, Narrative of Operating Experience, and Average Daily Unit Power Level for December 1998.

Also included is a summary of challenges to Safety Relief Valves during 1998 in accordance with Nine Mile Point Unit Two Technical Specification 6.9.1.5.c.

Very truly yours,

Nick Paleologos
N. C. Paleologos
Plant Manager - Unit 2

/db

Enclosures

pc: H.J. Miller, Regional Administrator, Region 1
G.K. Hunegs, Senior Resident Inspector

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NIAGARA MOHAWK POWER CORPORATION
NINE MILE POINT NUCLEAR STATION UNIT #2
NARRATIVE OF OPERATING EXPERIENCE

Nine Mile Point Unit Two operated with a capacity factor (MDC) of 96.91% and an availability factor of 97.38% for the month of December 1998.

At the start of this report period, Nine Mile Point Unit Two was in power ascension from a forced outage in November 1998 (See November 1998 Narrative). On December 4, 1998 at 2206 hours, Nine Mile Point Unit Two returned to 100% of rated core thermal power

On December 5, 1998 at 2200 hours, Operations began to reduce core thermal power with recirculation flow to approximately 70% to perform rod pattern adjustments. On December 6, 1998 at 0700 hours, Operations began raising core thermal power. The unit returned to 100% of rate core thermal power at 1929 hours.

On December 30, 1998 at 0740 hours while operating at 100% of rated core thermal power, the Control Room received a Rod Drive Control System Inoperable annunciator. While Operators were resetting the Reactor Manual Control System, per the annunciator response procedures, a control rod drift alarm was received. A single control rod, 18-43, had drifted from position 48 to 26. Special Operating Procedures (SOP) were entered and core thermal power was lowered to 90%. With the Reactor Manual Control (RMC) System locked up, Operators were unable to insert the control rod. At 0843 hours reactor core thermal power was further reduced to approximately 75% where Operations manually scrammed the control rod to position 00. The rod was then hydraulically isolated to comply with Technical Specification 3.1.3.1. With this action complete, Operations commenced raising core thermal power to 85%. Troubleshooting isolated the fault as a defective hydraulic control unit transponder card which was replaced. At 1704 hours, the control rod was declared operable and Operations commenced restoring core thermal power to 100%. On December 31, 1998 at 0136 hours with the reactor at 97%, power ascension was put on hold due to a communication problem between the plant process computer and the Power Range Neutron Monitoring System (PRNMS). The computer department was dispatched. It was determined that the Multi Vendor Data Acquisition System (MVD) computer had failed. The MVD computer was rebooted, checks were made to confirm the transfer of data was correct and permission to continue with power ascension was granted at 0455 hours. At 1034 hours, core thermal power was returned to 100% of rated.

There were no challenges to the safety relief valves during December, 1998.



Summary of Challenges to Safety Relief Valves During 1998

In accordance with Technical Specifications 6.9.1.5c, documentation of all challenges to the Safety Relief Valves at Nine Mile Point Unit Two in 1998 are hereby presented:

There were no challenges to the safety relief valves during 1998.



OPERATING DATA REPORT

DOCKET NO.: 50-410

DATE: 990108

PREPARED BY: C. Caroccio

TELEPHONE: (315) 349-4615

OPERATING STATUS

1. Unit Name: Nine Mile Point Unit #2
2. Reporting Period: DECEMBER 1998
3. Licensed Thermal Power (MWt): 3467
4. Nameplate Rating (Gross MWe): 1259
5. Design Electrical Rating (Net MWe): 1143
6. Maximum Dependable Capacity (Gross MWe): 1169.67
7. Maximum Dependable Capacity (Net MWe): 1105.44
8. If Changes Occur in Capacity Ratings (Items Number 3 through 7) Since Last Report, Give Reason: None.
9. Power Level To Which Restricted, If Any (Net MWe): None.
10. Reasons For Restrictions, If Any: None.

Items 21 and 22 Cum. are weighted values.

	<u>This Month</u>	<u>Yr-to-Date</u>	<u>Cumulative</u>
11. Hours in Reporting Period	744.00	8,760.00	94,153.00
12. Number of Hours Reactor was Critical	744.00	7,134.70	71,816.83
13. Reactor Reserve Shutdown Hours	0.00	0.00	0.00
14. Hours Generator On-Line	724.47	7,030.17	69,397.29
15. Unit Reserve Shutdown Hours	0.00	0.00	12.98
16. Gross Thermal Energy Generated (MWH)	2,401,758.72	22,538,907.89	222,312,786.58
17. Gross Electrical Energy Generated (MWH)	842,477.76	7,738,239.19	74,735,990.40
18. Net Electrical Energy Gen. (MWH)	796,996.29	7,307,157.77	70,415,661.47
19. Unit Service Factor	97.38%	80.25%	73.71%
20. Unit Availability Factor	97.38%	80.25%	73.72%
21. Unit Capacity Factor (Using MDC Net)	96.91%	75.46%	70.23%
22. Unit Capacity Factor (Using DER Net)	93.72%	72.98%	67.99%
23. Unit Forced Outage Rate	2.63%	2.57%	11.93%
24. Shutdowns Scheduled Over Next 6 Months (Type, Date and Duration of Each):	None		
25. If Shut Down At End of Report Period, Estimated Date of Startup: 11/30/98			
26. Unit in Test Status (Prior to Commercial Operation):			

	<u>Forecast</u>	<u>Achieved</u>
INITIAL CRITICALITY		05/23/87
INITIAL ELECTRICITY		08/08/87
COMMERCIAL OPERATION		04/05/88



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APPENDIX B
AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO.: 50-410
UNIT: NMP2
DATE: 990108
PREPARED BY: C. Caroccio
TELEPHONE: (315) 349-4615

MONTH DECEMBER 1998

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	158	17	1163
2	492	18	1163
3	721	19	1161
4	1026	20	1162
5	1141	21	1158
6	987	22	1160
7	1146	23	1163
8	1152	24	1161
9	1149	25	1161
10	1148	26	1160
11	1152	27	1160
12	1159	28	1159
13	1158	29	1159
14	1159	30	1035
15	1156	31	1151
16	1159		



UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO: 50-410

UNIT NAME: NMP#2

DATE: 990108

REPORT MONTH - DECEMBER 1998

PREPARED BY: C. Caroccio

TELEPHONE: (315) 349-4615

No.	Date	Type ¹	Duration (Hours)	Reasons ²	Method of Shutting Down Reactor ³	Licensee Event Report #	System Code ⁴	Component Code ⁵	Cause & Corrective Action to Prevent Recurrence
98-07 (Cont)	981124	F	19.53	A	2		RCS	2RCS-FCV-B	Recirculation flow control valve "B" failure. Found broken RVDT coupling. Coupling replaced. Unit returned to 100% of rated 981204 @ 2206 hours.
98-08	981205	S	0	H	n/a		None		Control Rod pattern adjustment
98-09	981230	F	0	A	n/a		RDS	2RMC-TCB-L203-1843	Single rod scram, defective HCU transponder card, replaced.

¹
F: Forced
S: Scheduled

²
Reason:
A-Equipment Failure (Explain)
B-Maintenance or Test
C-Refueling
D-Regulatory Restriction
E-Operator Training & License Exam
F-Administrative
G-Operational Error (Explain)
H-Other (Explain)

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

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

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Exhibit I-Same Source



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