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DAHLBERG, K.A.      Niagara Mohawk Power Corp.  
RECIP. NAME      RECIPIENT AFFILIATION

SUBJECT: Monthly operating rept for Dec 1997 for Nine Mile Point  
Nuclear Station, Unit 2.W/980114 ltr.

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TITLE: Monthly Operating Report (per Tech Specs)

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NIAGARA MOHAWK

GENERATION  
BUSINESS GROUP

NINE MILE POINT NUCLEAR STATION/LAKE ROAD, P.O. BOX 63, LYCOMING, NEW YORK 13093

January 14, 1998

NMP2L 1747

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: Operating Statistics, Unit Shutdowns and Power Reductions for December 1997

Dear Sir:

Submitted herewith is the Report of Operating Statistics, the Unit Shutdown and Power Reductions Summary, and a Narrative Report of Operational Experience for December 1997.

Also included is a summary of challenges to Safety Relief Valves during 1997 in accordance with Nine Mile Point Unit Two Technical Specifications 6.9.1.5.c.

Very truly yours,

K. A. Dahlberg  
Plant Manager - Unit 2

/ct

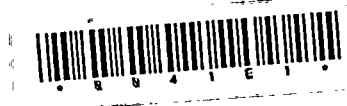
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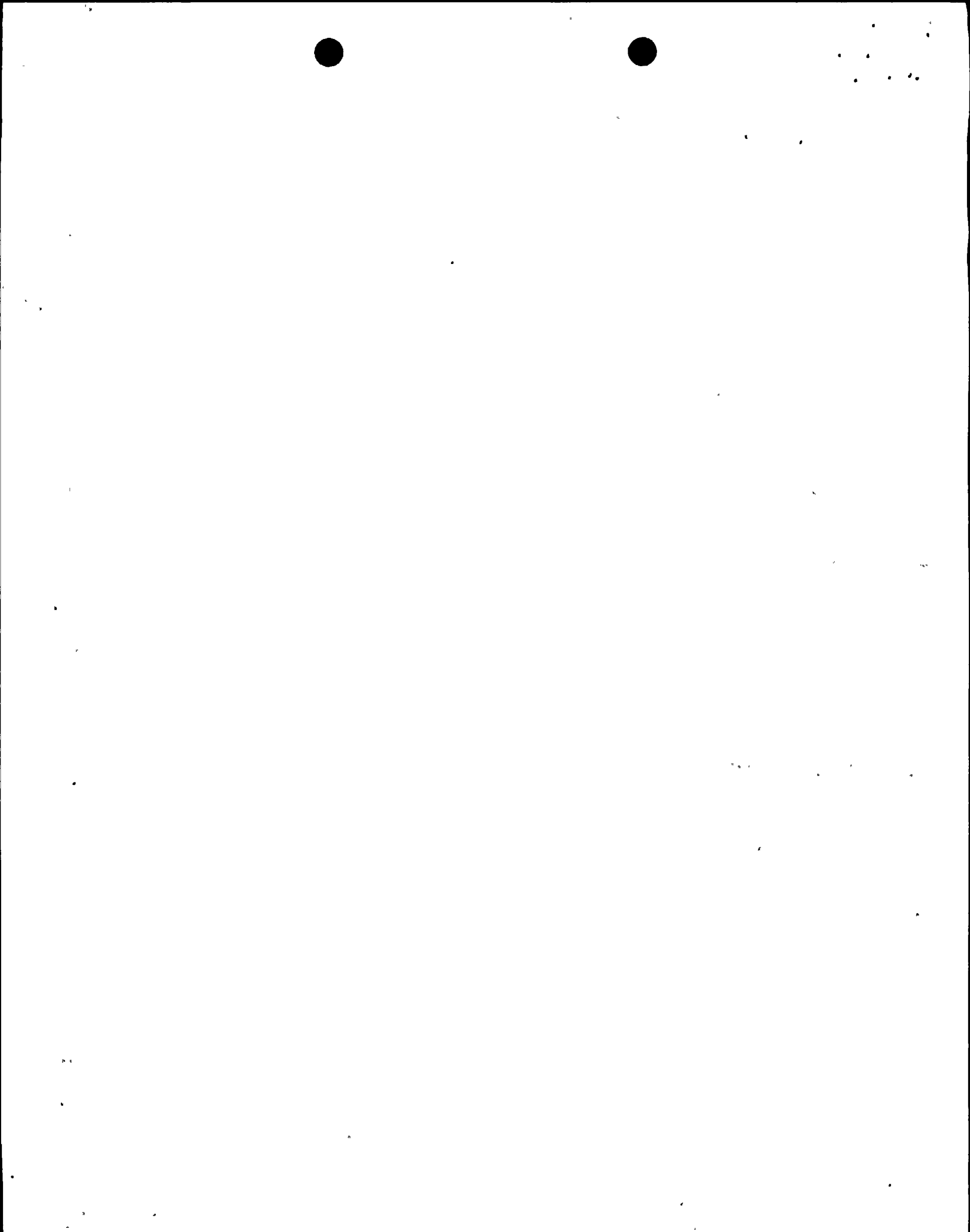
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pc: H.J. Miller, Regional Administrator, Region 1  
B.S. Norris, Senior Resident Inspector

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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 of 96.59% MDC and an availability factor of 100.00% for the month of December 1997.

Nine Mile Point Unit Two remains restricted to 95% core thermal power due to removing both "A" and "B" MSR's from service in June 1997. (See June 1997 Narrative.)

There were no challenges to the safety relief valves during this report period.



## **Summary of Challenges to Safety Relief Valves During 1997**

In accordance with Technical Specification 6.9.1.5c, documentation of all challenges to the safety relief valves at Nine Mile Point Unit 2 in 1997 is hereby presented.

There were no challenges to the safety relief valves at Nine Mile Point Unit 2 during 1997.



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OPERATING DATA REPORT

DOCKET NO.: 50-410

DATE: 1/06/98

PREPARED BY: C. Caroccio

TELEPHONE: (315) 349-4615

OPERATING STATUS

- 1. Unit Name: Nine Mile Point Unit #2
- 2. Reporting Period: DECEMBER 1997
- 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): 95% (Approx. 1086)
- 10. Reasons For Restrictions, If Any: Unit running with both "A" and "B" Moisture Separator Reheaters out-of-service.

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	85,393.00
12. Number of Hours Reactor was Critical	744.00	8,383.08	64,682.13
13. Reactor Reserve Shutdown Hours	0.00	0.00	0.00
14. Hours Generator On-Line	744.00	8,280.54	62,367.12
15. Unit Reserve Shutdown Hours	0.00	0.00	12.98
16. Gross Thermal Energy Generated (MWH)	2,446,480.80	27,358,193.13	199,773,878.69
17. Gross Electrical Energy Generated (MWH)	841,525.20	9,398,319.84	66,997,751.21
18. Net Electrical Energy Gen. (MWH)	794,393.09	8,877,994.81	63,108,503.71
19. Unit Service Factor	100.00%	94.53%	73.04%
20. Unit Availability Factor	100.00%	94.53%	73.05%
21. Unit Capacity Factor (Using MDC Net)	96.59%	91.68%	69.69%
22. Unit Capacity Factor (Using DER Net)	93.41%	88.67%	67.48%
23. Unit Forced Outage Rate	0.00%	3.48%	12.67%

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

Refuel Outage (RFO6) May 2, 1998 for 35 days.

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

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: 1/06/98  
PREPARED BY: C. Caroccio  
TELEPHONE: (315) 349-4615

MONTH DECEMBER 1997

DAY	AVERAGE DAILY POWER LEVEL (Mwe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	1071	17	1069
2	1070	18	1070
3	1067	19	1066
4	1063	20	1069
5	1063	21	1070
6	1063	22	1071
7	1061	23	1070
8	1063	24	1070
9	1064	25	1068
10	1063	26	1068
11	1063	27	1068
12	1067	28	1071
13	1070	29	1070
14	1070	30	1070
15	1072	31	1072
16	1070		



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# UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO: 50-410

UNIT NAME: NMP#2

DATE: 1/06/97

PREPARED BY: C. Caroccio

TELEPHONE: (315) 349-4615

REPORT MONTH - DECEMBER 1997

No.	Date	Type <sup>1</sup>	Duration (Hours)	Reasons <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
<i>NONE</i>									

<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 Exam  
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



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