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RECIP. NAME      RECIPIENT AFFILIATION

SUBJECT: ~~Monthly operating~~ rept for Dec 1996 for Nine Mile Point Unit  
2.W/970115 ltr.

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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 15, 1997  
NMP2L 1682

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 1996

Dear Sir:

Submittal herewith is the Report of Operating Statistics, the Unit Shutdown and Power Reductions Summary, and a Narrative Report of Operational Experience for December 1996.

Also included is a summary of challenges to Safety Relief Valves during 1996 in accordance with Nine Mile Point Unit Two Technical Specifications 6.9.1.5.c.

Very truly yours,

John T. Conway  
Plant Manager - NMP2

IBF/da

Enclosures

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

9701270113 961231  
PDR ADOCK 05000410  
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JE24



OPERATING DATA REPORT

DOCKET NO.: 50-410

DATE: 01/06/96

PREPARED BY: C. Caroccio

TELEPHONE: (315) 349-4615

OPERATING STATUS

- 1. Unit Name: Nine Mile Point Unit #2
- 2. Reporting Period: DECEMBER 1996
- 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	8,784.00	76,633.00
12. Number of Hours Reactor was Critical	667.2	7,896.05	56,299.05
13. Reactor Reserve Shutdown Hours	0.00	0.00	0.00
14. Hours Generator On-Line	638.00	7,811.77	54,086.58
15. Unit Reserve Shutdown Hours	0.00	0.00	12.98
16. Gross Thermal Energy Generated (MWH)	2,159,405.04	26,670,590.45	172,415,685.56
17. Gross Electrical Energy Generated (MWH)	738,793.92	9,196,238.56	57,599,431.37
18. Net Electrical Energy Gen. (MWH)	698,730.10	8,698,502.96	54,230,508.90
19. Unit Service Factor	85.75%	88.93%	70.58%
20. Unit Availability Factor	85.75%	88.93%	70.60%
21. Unit Capacity Factor (Using MDC Net)	84.96%	89.58%	67.18%
22. Unit Capacity Factor (Using DER Net)	82.17%	86.64%	65.06%
23. Unit Forced Outage Rate	14.21%	1.33%	13.05%
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:			
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



## UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH - DECEMBER 1996

DOCKET NO: 50-410

UNIT NAME: NMP#2

DATE: 01/06/97

PREPARED BY: C. Caroccio

TELEPHONE: (315) 349-4615

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
96-13	961219	F	105.7	F	2	N/A	N/A	N/A	Shutdown to perform GAP inspection of shoot out steel. Inspections performed, adjustments made as necessary.

<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





APPENDIX B  
AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO.: 50-410  
UNIT: NMP2  
DATE: 01/06/97  
PREPARED BY: C. Caroccio  
TELEPHONE: (315) 349-4615

MONTH DECEMBER 1996

DAY	AVERAGE DAILY POWER LEVEL (Mwe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	1142	17	1143
2	1146	18	1146
3	1147	19	1052
4	1147	20	250
5	813	21	0
6	1008	22	0
7	1146	23	0
8	1148	24	493
9	1148	25	774
10	1147	26	1135
11	1147	27	1147
12	1145	28	1140
13	1145	29	1145
14	1146	30	1148
15	1147	31	1149
16	1145		



**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 84.96% MDC and an availability factor of 85.75% for the month of December 1996.

On December 19, 1996 at 1735 hours Nine Mile Point Unit Two commenced an orderly Reactor shutdown because gap inspections had not been performed of the "shoot out steel" support structure under the Reactor vessel. USAR Section 4.6.3.2 indicates that the gap between the Control Rod Drive (CRD) flange lower contact surface and the grid should be measured following reassembly. In accordance with Technical Specification Surveillance Requirement 4.1.3.8, a visual inspection was made during the last refuel outage, but the gap was not measured. The lack of gap measurement placed the unit in a potentially unanalyzed condition and therefore the unit proceeded with an orderly shutdown to enable the inspections to be performed. The gaps on all CRDs were checked and adjusted as necessary to allowable specifications. The evaluation of the "as found" condition determined that the "shoot out steel" support structure was not outside the design basis, did not represent an unanalyzed condition, and fully supported past operability of the structure. On December 26, 1996 at 0327 hours, Nine Mile Point Unit 2 returned to 100% power operation.

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



## **Summary of Challenges to Safety Relief Valves During 1996**

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 1996 is hereby presented.

There were no challenges to the safety relief valves at Nine Mile Point Unit 2 during 1996.

