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SUBJECT: ~~Monthly operating~~ rept for Jan 1998 for Nine Mile Point,Unit 2.W/980217 ltr.

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MR

NIAGARA MOHAWK
GENERATION
BUSINESS GROUP

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

February 17, 1998
NMP2L 1758

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 January 1998

Gentlemen:

Submitted herewith is the Report of Operating Statistics, the Unit Shutdown and Power Reductions Summary, and a Narrative Report of Operational Experience for January 1998.

Very truly yours,

KADahlberg

Kim A. Dahlberg
Plant Manager - NMP2

KAD/CJC/cmk
Enclosures

xc: Mr. H. J. Miller, Regional Administrator, Region I
Mr. B. S. Norris, Senior Resident Inspector
Records Management

IE24/1

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 89.89% MDC and an availability factor of 100.00% for the month of January 1998.

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

On January 7, 1998, at 0441 hours, Operations received oscillating high/low flow alarms on the Drywell Radiation Monitors cabinet 2CMS*CAB10B. With 2CMS*CAB10A being out of service for pre-planned heat trace maintenance, the failure of the "B" side required the unit to enter Technical Specification (TS) Action 3.0.3 requiring the initiation of actions within one hour. At 0535 hours, Nine Mile Point Unit Two commenced an orderly shutdown. While shutdown was in progress, Nine Mile Point Unit Two requested the NRC grant enforcement discretion from the requirements of TS 3.0.3 and TS 3.8.1.1 action e. At 1123 hours, with the reactor core thermal power at approximately 50%, the NRC granted enforcement discretion to permit the restoration of necessary equipment without the need to expose the plant to an unnecessary shutdown. The cause of the failure in the 2CMS*CAB10B was found to be failure of the flow control transducer board. The transducer board was replaced, and the monitor was re-calibrated and returned to service. Nine Mile Point Unit Two exited TS 3.0.3 and TS 3.8.1.1 action e at 1820 hours and began power ascension to 95% core thermal power. On January 8, 1998 at 0540 hours, Nine Mile Point Unit Two returned to 95% of rated.

On January 5, 1998, Chemistry samples indicated a Xenon 133 concentration five times greater than normal which is indicative of a potential leaking fuel pin. Nine Mile Point Unit Two, working with General Electric, developed plans to perform a flux tilt evolution. The intent was to sequence control rods in the core while Chemistry continued offgas sampling in an attempt to identify the source of the leaking fuel assembly. On January 24, 1998, Nine Mile Point Unit Two began a power reduction to approximately 50% to perform the flux tilt evolution. The approximate location of the leaking fuel assembly was identified. Recommendations were made to suppress the fuel assembly, with three control rods fully inserted around the suspected fuel assembly, for the balance of the fuel cycle. Nine Mile Point Unit Two returned to 95% of rated on January 30, 1998. Management guidelines for restrictions on core operation, with the leaking fuel pin, have been presented to Operations and will be imposed for the balance of the fuel cycle.

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

OPERATING DATA REPORT

DOCKET NO.: 50-410
DATE: 2/03/98
PREPARED BY: C. Caroccio
TELEPHONE: (315) 349-4615

OPERATING STATUS

1.Unit Name: Nine Mile Point Unit #2
2.Reporting Period: JANUARY 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): 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.

	This Month	Yr-to-Date	Cumulative
11.Hours in Reporting Period	744.00	744.00	86,137.00
12.Number of Hours Reactor was Critical	744.00	744.00	65,426.13
13.Reactor Reserve Shutdown Hours	0.00	0.00	0.00
14.Hours Generator On-Line	744.00	744.00	63,111.12
15.Unit Reserve Shutdown Hours	0.00	0.00	12.98
16.Gross Thermal Energy Generated (MWH)	2,288,929.92	2,288,929.92	202,062,808.61
17.Gross Electrical Energy Generated (MWH)	785,468.16	785,468.16	67,783,219.37
18.Net Electrical Energy Gen. (MWH)	739,333.72	739,333.72	63,847,837.43
19.Unit Service Factor	100.00%	100.00%	73.27%
20.Unit Availability Factor	100.00%	100.00%	73.28%
21.Unit Capacity Factor (Using MDC Net)	89.89%	89.89%	69.87%
22.Unit Capacity Factor (Using DER Net)	86.94%	86.94%	67.65%
23.Unit Forced Outage Rate	0.00%	0.00%	12.54%

24.Shutdowns Scheduled Over Next 6 Months (Type, Date and Duration of Each):
Refuel Outage (RFO6) May 2, 1998 for 37 days.
25.If Shut Down At End of Report Period, Estimated Date of Startup:
26.Unit in Test Status (Prior to Commercial Operation):

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

APPENDIX B
AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO.:	50-410
UNIT:	NMP2
DATE:	2/03/98
PREPARED BY:	C. Caroccio
TELEPHONE:	(315) 349-4615

MONTH JANUARY 1998

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	1072	17	1038
2	1068	18	1069
3	1066	19	1071
4	1070	20	1072
5	1066	21	1072
6	1065	22	1072
7	812	23	1048
8	1060	24	605
9	1069	25	597
10	1068	26	596
11	1070	27	756
12	1070	28	998
13	1069	29	908
14	1070	30	1047
15	1070	31	1021
16	1071		

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH - JANUARY 1998

DOCKET NO: 50-410
UNIT NAME: NMP#2
DATE: 02/03/98
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
98-01	980107	F	0	A	4	98-01	CMS	2CMS*CAB10B	Drywell radiation monitor cabinet hi/low flow alarms due to electronic failure of the flow control transducer board. Faulty board replaced.
98-02	980117	S	0	H	4			Fuel Pin	Reduced CTP to approximately 50% for flux tilt evolution to locate potentially leaking fuel assembly. Leaker located. Isolated with control rods.

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)

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