NIAGARA MOHAWK POWER CORPORATION

NINE MILE POINT NUCLEAR STATION UNIT #1

NARRATIVE OF OPERATING EXPERIENCE

The station operated during the month of December 1984 with a Unit Availability Factor of 91.1% and a Net Design Electrical Capacity Factor of 87.7%. There were 0 challenges to Electromatic Relief Valves. Reductions in Capacity Factor were due to #12 Backup Scram Solenoid Valve failure and Control Rod Pattern Exchange.

CLASS I WORK - MECHANICAL MAINTENANCE - DECEMBER 1984

WR#	26050	Rebuild CRD 42-35, S/N#6810
WR#	26047	Rebuild CRD 14-35, S/N#6874
WR#	26044	Rebuild CRD 14-39, S/N#71617
WR#	26049	Rebuild CRD 22-47, S/N#71417
WR#	24589	Rebuild CRD 22-35, S/N#71463
WR#	26042	Scrapped CRD 10-31, S/N#71529
WR#	26040	Scrapped CRD 26-27, S/N#71430
WR#	24587	Rebuild CRD 10-35, S/N#71659
WR#	21225	Rebuild CRD S/N#71551
WR#	29991	Repair CRD HCU 10-35, Leaky foot valve
WR#	30258	Repair Scram Outlet Valve HCV 18-07
WR#	30254	Repair Scram Outlet Valve HCV 26-51
WR#	30260	Repair Scram Outlet Valve HCV 26-31
WR#	30256	Repair Scram Outlet Valve HCV 26-03
WR#	30255	Repair Scram Outlet Valve HCV 30-11
WR#	30259	Repair Scram Outlet Valve HCV 26-11
WR#	28579	Repair Oil Leak on Coupling to 12 Feedwater Pump
WR#	26272	Repaired Hydraulic Snubber 51-HS-12
WR#	26273	Installed pipe hanger on 44-H-101

CLASS I WORK - ELECTRICAL MAINTENANCE - DECEMBER 1984

MO 1927

This major order involves updating station equipment for Equipment Qualification. The worked performed includes wiring position limit switches, wiring solenoid valves and a transmitter and taping motor leads. In addition, condulets were sealed with Bisco Seal for temperature elements in the Emergency Condensor Makeup System. The systems involved are Post Accident Sampling, Reactor Building Cooling Water, Reactor Containment Air Purge and Fill and Reactor Containment N_2 Purge and Fill.

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CLASS I WORK - INSTRUMENTATION & CONTROL - DECEMBER 1984

WR# 30026 CRD-43 Backup Scram Solenoid NC16B is leaking air off the air header.
(installed new SOV at CRD-44) CRD 43 was found working properly.

OPERATING DATA REPORT

DOCKET NO 50-220
DATE 1/7/85
COMPLETED BY T.W. Roman
TELEPHONE (315)349-2422

OPERATING STATUS

1. Unit Name: Nine Mile Point Unit #1
2. Reporting Period: December 1984 12/1/84 - 12/31/84
3. Licensed Thermal Power (MWt): 1850
4. Nameplate Rating (Gross MWe): 640
5. Design Electrical Rating (Net MWe): 630
6. Maximum Dependable Capacity (Gross MWe): 620
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):
10. Reasons For Restrictions, If Any:

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	744	8785	134,065.2
12. Number Of Hours Reactor Was Critical	692	6414.2	92715.7
13. Reactor Reserve Shutdown Hours	0	0	1204.2
14. Hours Generator On-Line	678	6317.0	89805.3
15. Unit Reserve Shutdown Hours	0	0	20.4
16. Gross Thermal Energy Generated (MWH)	1224598.0	11195010.0	149289450.0
17. Gross Electrical Energy Generated (MWH)	416991.0	3749007.0	49380788.0
18. Net Electrical Energy Generated (MWH)	404597.0	3635235.0	47829994.0
19. Unit Service Factor	91.1	71.9	67.0
20. Unit Availability Factor	91.1	71.9	67.0
21. Unit Capacity Factor (Using MDC Net)	89.1	67.8	58.5
22. Unit Capacity Factor (Using DER Net)	87.7	66.7	57.5
23. Unit Forced Outage Rate	8.9	1.8	16.4

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

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		

(9/77)

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-220
UNIT 9 Mile Pt. #1
DATE 1/7/85
COMPLETED BY T.W. Roman
TELEPHONE (315)349-2422

MONTH December 1984

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	612	17	0
2	611	18	0
3	613	19	219
4	611	20	498
5	613	21	591
6	612	22	604
7	601	23	578
8	562	24	612
9	613	25	612
10	611	26	610
11	613	27	610
12	611	28	612
13	612	29	613
14	613	30	614
15	613	31	612
16	351		

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.

(9/77)

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH December 1984

DOCKET NO. 50-220
UNIT NAME 9 Mile Pt. #1
DATE 1/7/85
COMPLETED BY TW Roman
TELEPHONE (315)349-2422

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
84-17	12/8/84	S	7	H					Load reduction to 71% CTP for Control Rod Pattern Adjustment.
84-18	12/16/84	F	99.5	A	1				Failure of #12 Backup Scram Solenoid Valve during surveillance testing, replaced #12 Backup Scram Solenoid Valve.
84-19	12/20/84	S	9.5	H					Load reduction to 69% CTP for Control Rod Pattern Adjustment.
84-20	12/23/84	S	13	H					Load reduction to 85% CTP for Control Rod Pattern Adjustment.

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)

Designated Original
TC

NMP-10287

NIAGARA MOHAWK POWER CORPORATION

NIAGARA MOHAWK

300 ERIE BOULEVARD WEST
SYRACUSE, N.Y. 13202

January 10, 1985

Director
Office of Inspection and Enforcement
U.S. Nuclear Regulatory Commission
Washington, DC 20555

Attn: Document and Control Desk

Re: Docket No. 50-220
DPR-63

Dear Sir:

Submitted herewith is the Report of Operating Statistics and Shutdown for December 1984 for the Nine Mile Point Nuclear Station Unit #1.

Also included is a narrative report of Operating Experience for December 1984.

Very truly yours,

Thomas E. Lempges

Thomas E. Lempges
Vice President
Nuclear Generation

TEL/lo
attachments
cc: Director, Office of I&E (10 copies)

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