NIAGARA MOHAWK POWER CORPORATION

NINE MILE POINT NUCLEAR STATION UNIT#1

NARRATIVE OF OPERATING EXPERIENCE

June 1982

The Station operated during the month of June 1982 with a monthly availability factor of 0.0% and a net design electrical capacity factor of 0.0%. The Station was shutdown March 19, 1982, for a scheduled maintenance outage. The Station remains shut down due to Reactor Recirculation system piping cracks found during Vessel Hydro on March 23, 1982.

CLASS I WORK - MAINTENANCE - JUNE 1982

WR #17482 - Replaced cable on Rx. Bldg. Crane - 1000 lb. hoist 6/5/82
#17735 - Disassembled valve 50-107 - cleaned, lubricated and placed back in service 6/15/82
#16188 - #13 RRP Suction Valve Disassembled, inspected and reassembled 6/21/82
#17766 - FW Booster Pump Discharge Blocking Valve - Cut welded cap off 6/21/82
#17764 - FW Pump #13 Discharge Check Valve, Removed check valve for system layup 6/21/82
#17762 & #17763 - 11 & 12 Discharge Check Valve, Removed check valve for system layup 6/21/82
#17761 - #12 FW Booster Pump Discharge Blocking Valve. Removed valve internals for system layup 6/21/82
#17066 - Repacked Valve 30-32. Feedwater line to Cond. 6/21/82
#17269 - Inlet Valve #13 Cond. Demin., Repacked Valve 6/21/82
#17767 - Remove spool piece on condensate header to facilitate feedwater/condensate system layup 6/21/82
#16369 - (Removed internals from Oil Eliminator on service air receiver per Mod #80-68.

CLASS I WORK - INSTRUMENTATION AND CONTROL - JUNE 1982

#16491 - Lo-Lo-Lo Water Lev. Panel Meter 36-05C Defective. (Replaced Meter).

CLASS I WORK - ELECTRICAL - JUNE 1982

MO #2151 - Mark I Containment - New Torus Temp.
N1-ST-M1 - 125 V.D.C. Battery Pilot Cell Voltage and Specific Gravity Test

NIAGARA MOHAWK

NUCLEAR STATION

REPORT OF OPERATION FOR 6/1/82 to 6/30/82 PERIOD ENDING 12:00 MN ☐ EST ☒ DST June 1982

		UNIT NO #1	Diesel UNIT NO 102	Diesel UNIT NO 103	TOTAL STATION
ELECTRICAL					
1. GENERATION – NET	MWH	0.0			0.0
2. HOUSE SERVICE	MWH	0.0			0.0
3. GENERATION – GROSS	MWH	0.0			0.0
4. MINIMUM HOUR GENERATION – NET	MW				
5. MAXIMUM HOUR GENERATION – NET	MW				
6. DATE & TIME – MAX. HR. LOAD					
7. NOMINAL AVE. HYDROGEN PRESSURE	LBS.				
8. DIESEL GENERATOR	KWH		3,000	3,000	6,000
MECHANICAL					
9. TURBINE – NO. OF STARTS		0			0
10. BACK PRESSURE (NOTE 1)	IN HG				
11. CONDENSATE TEMP. (NOTE 1)	°F				
12. CIRC. WATER ENT. TEMP. (NOTE 1)	°F				
13. REACTOR-NO. OF STARTS		0			0
14. THERMAL POWER	MW DAYS	0.0			0.0
15. BURN UP	MWD/TON	0.0			0.0
16. BURN UP REMAINING TO REFUEL	MWD/TON	4,167.4			4,167.4
17. DIESEL GEN. NO. OF STARTS			1	1	2
18. DIESEL FUEL BURNED	GAL		220	200	420
RATES					
19. HOUSE SERVICE	%	0.0			0.0
20. CAPABILITY FACTOR (NOTE 2)	%	0.0			0.0
21. LOAD FACTOR (NOTE 3)	%	0.0			0.0
22. HYDROGEN LEAKAGE RATE/DAY	CU FT	0.0			0.0
23. WATER RATE – GROSS	LBS/KWH				
24.					
25. HEAT RATE (NOTE 4)	BTU/NET KWH	0.0			0.0
26.					
UNIT HOURS					
27. ON LOAD	HRS	0			0
28. AVAILABLE	HRS	0			0
29. UNAVAILABLE	HRS				
30. TURBINE CAUSED IDLE. (NOTE 5)	HRS				
31. TURBINE AUX " " "	HRS				
32. GENERATOR-CAUSED IDLE "	HRS				
33. GENERATOR AUX " " "	HRS				
34. REACTOR CAUSED IDLENESS "	HRS	720 F	720		720
35. REACT. AUX. " " "	HRS				
36. SYNCHRONOUS CONDENSER OPER.	HRS				
37.					

FUEL SUMMARY KILOGRAMS	TOTAL U	U235	U235	U238	PU239	PU240	PU241	PU242
38. START OF PERIOD								
39. RECEIVED								
40. SHIPPED								
41. SPENT (PRODUCED)								
42. END OF PERIOD								

NOTES

1. TAKEN AT TIME OF MAX. HR. LOAD.
2. ITEM 1 ÷ (NET RATED CAP. × PERIOD HRS.)
3. ITEM 1 ÷ (ITEM 5 × PERIOD HRS.)
4. [(ITEM 14) × 24 × 3413] ÷ ITEM 1
5. FORCED OUTAGE – F, SCHEDULED OUTAGE – S.

T.E. Lempges, C. Piper, T. Bassett, D. P. Dise, C. Geniac, W. Arlukewicz, S. Wilczek, M.A. Silliman, Factory Mutual, F. Bleskoski, J. Hallenbeck, Power Control, J. Morris, C.V. Mangan

SIGNED _____
STATION SUPERINTENDENT

OUTAGES – UNITS AND AUXILIARIES

MONTH _____, YEAR _____

UNIT NO.	EQUIPMENT	DAY	AVAILABLE ON	TIME	HOURS UNAVAILABLE	PARTIALLY UNAVAILABLE HOURS	PARTIALLY UNAVAILABLE CAP.	REASONS / REPAIRS
#1	Rx	3/23/82			March 154.0F April 719.0F May 744.0F June 720.0F			Crack in recirc piping discovered during hydro, major repairs underway.
				Total	2337.0F			

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-220
UNIT 9 Mile Pt. #1
DATE 7/1/81
COMPLETED BY T.W. Roman
TELEPHONE (315)343-2110
ext. 1383

MONTH June, 1982

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	0	17	0
2	0	18	0
3	0	19	0
4	0	20	0
5	0	21	0
6	0	22	0
7	0	23	0
8	0	24	0
9	0	25	0
10	0	26	0
11	0	27	0
12	0	28	0
13	0	29	0
14	0	30	0
15	0	31	---
16	0		

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)

OPERATING DATA REPORT

DOCKET NO. 50-220
DATE 7/1/82
COMPLETED BY T.W.Roman
TELEPHONE (315)343-2110 ext. 1383

OPERATING STATUS

1. Unit Name: Nine Mile Point #1
2. Reporting Period: 06/01/82 to 06/30/82
3. Licensed Thermal Power (MWt): 1850
4. Nameplate Rating (Gross MWe): 640
5. Design Electrical Rating (Net MWe): 620
6. Maximum Dependable Capacity (Gross MWe): 630
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	720.0	4343.0	110,999.0
12. Number Of Hours Reactor Was Critical	0.0	1874.0	81,308.5
13. Reactor Reserve Shutdown Hours	0.0	0.0	1,204.2
14. Hours Generator On-Line	0.0	1872.5	78,562.3
15. Unit Reserve Shutdown Hours	0.0	0.0	20.4
16. Gross Thermal Energy Generated (MWH)	0.0	3,421,093.0	129,374,390.0
17. Gross Electrical Energy Generated (MWH)	0.0	1,169,791.0	42,743,090.0
18. Net Electrical Energy Generated (MWH)	0.0	1,134,758.0	41,392,651.0
19. Unit Service Factor	0.0	43.1	70.8
20. Unit Availability Factor	0.0	43.1	70.8
21. Unit Capacity Factor (Using MDC Net)	0.0	42.8	61.1
22. Unit Capacity Factor (Using DER Net)	0.0	42.1	60.1
23. Unit Forced Outage Rate	100.0	55.5	10.6

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: March 1983
26. Units In Test Status (Prior to Commercial Operation):

	Forecast	Achieved
INITIAL CRITICALITY		
INITIAL ELECTRICITY		
COMMERCIAL OPERATION		

(9/77)

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-220
UNIT NAME 9 Mile Pt. #1
DATE 7/1/82
COMPLETED BY T.W. Roman
TELEPHONE (315)343-2110 X1383

REPORT MONTH June 1982

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
8206	820323	F	2337	A	4	82-009			Major repairs continue on recirc piping, core off loaded to SFP.

1
F: Forced
S: Scheduled

2
Reason:
A-Equipment Failure (Explain)
B-Maintenance or 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

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