

NIAGARA MOHAWK POWER CORPORATION

NINE MILE POINT NUCLEAR STATION UNIT #1

NARRATIVE OF OPERATING EXPERIENCE

The station operated during the month of March with a monthly unit availability factor of 51.8% and a net design electrical capacity factor of 41.3%.

The plant operated from March 1 to March 17 in a coastdown mode to 77.7% power. On March 17 the unit was removed from service for a scheduled refueling and plant overhaul of approximately 8 weeks.

CLASS I WORK - MAINTENANCE - MARCH 1984

WR# 21205	#12 RBCLC Installed new mech. seals, pump wear rings
WR# 25138	#112 Containment Spray Heat Exchanger - inspection
WR# 24524	Liquid Poison Valve #705 replaced stem
WR# 25143	#121 Containment Spray Heat Exchanger - inspection
WR# 24513	Cont. Spray R.W. Valve 93-25- took up on packing
WR# 25137	#122 Containment Spray Heat Exchanger -inspection
WR# 21479	#11 FWP seal waterline - replaced union
WR# 21207	#12 FWP Warm up line Valve (29-FW42) replaced valve
WR# 25139	#112 Containment Spray Heat Exchanger - inspection, plugged tubes
WR# 24434	FCV 50-20; inspect internals
WR# 25104	FCV 50-20; Straighten stem
WR# 21208	#11 FWP Warm up line Valve (29-FW27) replaced valve
WR# 23095	Removed Blank Flanges Liq. Poison 2 1/2" El. 298 Rx. Bldg. for ISI inspection
WR# 23209	Component Support #33-H41 (misalignment)
WR# 22381	Shutdown Cooling Pump #13 replaced shaft, impeller, wear rings
WR# 25282	Penetration W-116 Added Kaowool and Flamastic
WR# 24567	Penetration RW-29 Added Kaowool and Flamastic
WR# 25281	Penetration W-19 Added Kaowool and Flamastic
WR# 25285	Penetration I-32 Added Kaowool and Flamastic
WR# 25286	Penetration I-33 Added Kaowool and Flamastic

CLASS I WORK - INSTRUMENTATION & CONTROL - MARCH 1984

WR# 23505	#12 Inst. Air Comp. loading solenoids (rebuilt solenoid valves)
WR# 22127	Check operation of solenoid valves IA26 & IA25, repair if necessary (replaced coil on solenoids IA25 & IA26)

CLASS I - ELECTRICAL MAINTENANCE - MARCH 1984

WR# 21440	Containment Radiation Monitoring removed wires for App. J Mod
WR# 23332	N2 Purge and Fill removed wires for App. J. Mod
WR# 23333	Containment Radiation Monitoring removed wires for App. J. Mod
WR# 24475	161 MG Set 600V Bkr. replaced overcurrent devices
WR# 24489	13 Shutdown Cooling Pump Bkr. replaced overcurrent devices
WR# 25084	11 Shutdown Cooling Pump Bkr. replaced overcurrent devices
WR# 25097	CU System Return IV33-01 attached thermal heaters
WR# 25173	Containment Radiation Monitoring replaced terminal block

MOs

2131	Rx Protection System MG Set Alarms
3411	Core Spray/Rx Head Vent
3405	Remove Shutdown Panel Isol Mod.
3384	HPCI Low Flow Control System
2440	Primary Cont. Vent Post LOCA

SURVEILLANCE TEST

N1-MST-M1	125 VDC Battery Pilot Cell Voltage & Specific Gravity Test
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# OPERATING DATA REPORT

DOCKET NO. 50-220  
 DATE 4/3/84  
 COMPLETED BY TW Roman  
 TELEPHONE (315) 349-2422

## OPERATING STATUS

1. Unit Name: Nine Mile Point Unit #1
2. Reporting Period: 3/1/84 - 3/31/84
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	744.0	1825.5	126,360.2
12. Number Of Hours Reactor Was Critical	388.5	1828.5	88,130.2
13. Reactor Reserve Shutdown Hours	0	0	1,204.2
14. Hours Generator On-Line	385.5	1825.5	85,313.8
15. Unit Reserve Shutdown Hours	0	0	20.4
16. Gross Thermal Energy Generated (MWH)	589,280.0	3,062,522.0	141,156,962.0
17. Gross Electrical Energy Generated (MWH)	196,936.0	1,034,284.0	46,666,065.0
18. Net Electrical Energy Generated (MWH)	190,366.0	1,001,923.0	45,196,682.0
19. Unit Service Factor	51.8	83.6	67.5
20. Unit Availability Factor	51.8	83.6	67.5
21. Unit Capacity Factor (Using MDC Net)	41.9	75.2	58.6
22. Unit Capacity Factor (Using DER Net)	41.3	74.0	57.7
23. Unit Forced Outage Rate	0.0	0.0	17.1

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):  
Biennial Refuel and Overhaul started 3/17/84

25. If Shut Down At End Of Report Period, Estimated Date of Startup: 5/15/84

26. Units In Test Status (Prior to Commercial Operation):	Forecast	Achieved
INITIAL CRITICALITY	_____	_____
INITIAL ELECTRICITY	_____	_____
COMMERCIAL OPERATION	_____	_____

# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-220

UNIT 9 Mile Pt. #1

DATE 4/3/84

COMPLETED BY TW Roman *TR*

TELEPHONE (315) 349-2422

MONTH March 1984

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>509</u>
2	<u>503</u>
3	<u>507</u>
4	<u>504</u>
5	<u>501</u>
6	<u>501</u>
7	<u>500</u>
8	<u>494</u>
9	<u>491</u>
10	<u>494</u>
11	<u>492</u>
12	<u>491</u>
13	<u>487</u>
14	<u>486</u>
15	<u>484</u>
16	<u>474</u>

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	<u>13</u>
18	<u>0</u>
19	<u>0</u>
20	<u>0</u>
21	<u>0</u>
22	<u>0</u>
23	<u>0</u>
24	<u>0</u>
25	<u>0</u>
26	<u>0</u>
27	<u>0</u>
28	<u>0</u>
29	<u>0</u>
30	<u>0</u>
31	<u>0</u>

## 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.

## UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH March 1984

DOCKET NO. 50-220  
UNIT NAME 9 Mile Pt. 1  
DATE 4/3/84  
COMPLETED BY TW Roman *[Signature]*  
TELEPHONE (315) 349-2422

No.	Date	Type <sup>1</sup>	Duration (Hours)	Reason <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
84-6	3/17/84	S		C	1				Unit Shutdown for Biennial Refuel and Overhaul

<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 Examination  
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

(9/77)

NIAGARA MOHAWK POWER CORPORATION

NIAGARA  MOHAWK

300 ERIE BOULEVARD, WEST  
SYRACUSE, N. Y. 13202

April 11, 1984

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

ATTN: Document and Control Desk

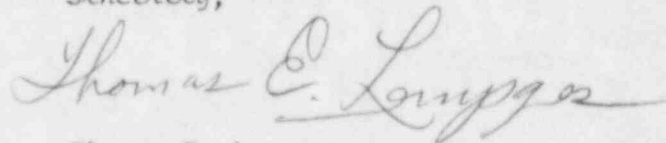
Re: Docket No. 50-220  
DPR - 63

Dear Sir,

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

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

Sincerely,



Thomas E. Lempges  
Vice President  
Nuclear Generation

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

IE-24  
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