

NIAGARA MOHAWK POWER CORPORATION  
NINE MILE POINT NUCLEAR STATION UNIT #1

NARRATIVE OF OPERATING EXPERIENCE

The station operated during the month of September 1985 with a Unit Availability Factor of 100.0 and a Net Design Electrical Capacity Factor of 93.2. There were 0 challenges to Electromatic Relief Valves. Reductions in Capacity Factor were due to high circulating water temperatures and control rod sequence exchange.

CLASS I WORK - MECHANICAL MAINTENANCE - SEPTEMBER 1985

WR# 34515	44-10-39 CRD Hyd Cont. Unit foot valve removed and replaced packing and 'O' rings.
WR# 34517	72-146 Rx Bldg. Serv. H2O drag valve - installed straps on support and 2 studs and plates.
WR# 34516	94-01 #11 Inst air comp - replaced oil scraper rings.
WR# 34318	201.1, 23, 24 - removed beam clamp left by contractor from support and taken from gated area. Not needed to support pipe.
WR# 34534	93-65 - wiped up oil on operator.
WR# 34535	93-69 - wiped up oil on operator.
WR# 34536	93-68 - wiped up oil on operator.
WR# 34533	93-67 - wiped up oil on operator.
WR# 34763	#11 foot valve on CRD 34-51 - replaced packing and 'O' rings.
WR# 33007	#12 Inst air com - open, insp. and rebuilt compressor. Installed new pistons HP and LP and push rods.
WR# 21234	#93 cont. spray raw water pump - rebuilt.
WR# 31816	44-10-39 foot valve - replaced packing.
WR# 33667	44-38-35 CRD accumulator - replaced packing.

CLASS I WORK - ELECTRICAL MAINTENANCE - SEPTEMBER 1985

No Class I, Safety Related, Corrective Maintenance performed this month.

CLASS I WORK - INSTRUMENTATION & CONTROL - SEPTEMBER 1985

WR# 34247	CAD monitor System #11 gives downscale oxygen reading when not in test/calibration mode. (adjusted zero)
WR# 34446	Containment spray raw water pump #122 Flow indicator shows elevated flow reading when pump is off. (Static on meter face)
WR# 33786	Diesel fire pump hoses frayed (reattached new braided hose and replaced old reinforced rubber oil lines).
WR# 33663	Instrument air compressor #12 loading solenoids leaking (installed normally opened SOV's).

# OPERATING DATA REPORT

DOCKET NO 50-220  
DATE 10/4/85  
COMPLETED BY TW Roman  
TELEPHONE 349-2422

## OPERATING STATUS

1. Unit Name: Nine Mile Point Unit I
2. Reporting Period: 9/1/85 to 9/30/85
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

Notes

8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:

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	6531	147,147.2
12. Number Of Hours Reactor Was Critical	720	6494	99,209.7
13. Reactor Reserve Shutdown Hours	0	0	1,204.2
14. Hours Generator On-Line	720	6469	96,274.3
15. Unit Reserve Shutdown Hours	0	0	20.4
16. Gross Thermal Energy Generated (MWH)	1,304,559	11,672,912	160,962,362
17. Gross Electrical Energy Generated (MWH)	429,269	3,908,145	53,288,933
18. Net Electrical Energy Generated (MWH)	416,007	3,789,857	51,619,851
19. Unit Service Factor	100.0	99.1	70.6
20. Unit Availability Factor	100.0	99.1	71.4
21. Unit Capacity Factor (Using MDC Net)	94.7	94.8	60.2
22. Unit Capacity Factor (Using DER Net)	93.2	93.3	59.2
23. Unit Forced Outage Rate	0.0	1.3	15.6

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:

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 NMP-1  
 DATE 10/4/85  
 COMPLETED BY TW Roman  
 TELEPHONE (315) 349-2422

MONTH September 1985

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	600
2	594
3	605
4	582
5	581
6	583
7	518
8	577
9	580
10	583
11	599
12	600
13	601
14	596
15	588
16	592

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	588
18	590
19	586
20	585
21	400
22	508
23	556
24	584
25	588
26	585
27	583
28	586
29	586
30	581
31	---

## 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

DOCKET NO. 50-220

UNIT NAME NMP-1

DATE 10/4/85

COMPLETED BY TW Roman

TELEPHONE (315) 349-2472

REPORT MONTH Sept., 1985

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
	850920	S	69.25	H	4				Control Rod Sequence Exchange

<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

October 4, 1985

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

Attn: Document and Control Desk

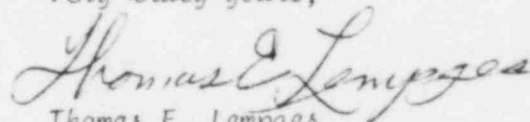
Re: Docket No. 50-220  
DPR-63

Dear Sir:

Submitted herewith is the Report of Operating Statistics and shutdown for September 1985 for the Nine Mile Point Nuclear Station Unit #1.

Also included is a narrative report of Operating Experience for September 1985.

Very truly yours,



Thomas E. Lempges  
Vice President  
Nuclear Generation

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

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