

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-220

UNIT NMP#1

DATE 2/10/81

COMPLETED BY T.W. Roman *Jaf*

TELEPHONE (315) 343-2110

MONTH January, 1981

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	554
2	551
3	549
4	547
5	549
6	548
7	549
8	547
9	543
10	201
11	74
12	486
13	492
14	398
15	532
16	537

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	535
18	540
19	541
20	543
21	539
22	535
23	534
24	384
25	468
26	524
27	535
28	543
29	537
30	533
31	527

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)

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11

OPERATING DATA REPORT

DOCKET NO. 50-220
 DATE 2/10/81
 COMPLETED BY T. W. Romano
 TELEPHONE (315) 343-2110

OPERATING STATUS

1. Unit Name: Nine Mile Point Unit #1
2. Reporting Period: 01/01/81-01/31/81
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): 588 (1692.7 CTP)
10. Reasons For Restrictions, If Any: EDC Derate to 91.5% CTP for SRITC

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	744.0	744.0	98640.0
12. Number Of Hours Reactor Was Critical	728.7	728.7	74294.6
13. Reactor Reserve Shutdown Hours	0.0	0.0	1204.2
14. Hours Generator On-Line	719.0	719.0	71627.6
15. Unit Reserve Shutdown Hours	0.0	0.0	20.2
16. Gross Thermal Energy Generated (MWH)	1,156,003.0	1,156,003.0	1,159,731,093.0
17. Gross Electrical Energy Generated (MWH)	386,998.0	386,998.0	38,585,914.0
18. Net Electrical Energy Generated (MWH)	374,225.0	374,225.0	37,361,778.0
19. Unit Service Factor	93.5	93.5	72.6
20. Unit Availability Factor	93.5	93.5	72.6
21. Unit Capacity Factor (Using MDC Net)	79.8	79.8	62.1
22. Unit Capacity Factor (Using DER Net)	78.5	78.5	61.1
23. Unit Forced Outage Rate	3.4	3.4	8.8

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):
Scheduled Refueling Outage 3/6/81 to 6/6/81 (Approx. 13 Weeks)

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	_____	_____



11

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH Jan. 1981

DOCKET NO. 50-220
 UNIT NAME NMP#1
 DATE 2/10/81
 COMPLETED BY T. W. Roman
 TELEPHONE 315) 343-2110

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
8101	810110	S	0	H	4				Load reduction to pull flux shaping control rods
8102	810110	F	25	A	3				APRM High Flux Scram due to failure of E.P.R.
8103	810124	S	0	H	4				Load reduction to make control rod sequence exchange
8104	810131	S	0	H	4				Load reduction to reverse circ. water flow due to intake tunnel icing

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



NIAGARA MOHAWK POWER CORPORATION

NINE MILE POINT NUCLEAR STATION UNIT #1

NARRATIVE OF OPERATING EXPERIENCE

January 1981

The station operated with a monthly availability factor of 93.5% and a net design electrical capacity factor of 78.5%. During the entire month, #15 Reactor Recirculation Pump was out of service and isolated due to mechanical problems.

Capacity factor loss was due to the following:

From January 1 through January 31, the unit operated with a thermal power limit of 91.5% (end of cycle thermal power derate).

On January 10, the unit was reduced to 60% power for flux shaping control rod withdrawals. During the subsequent power increases, a failure of the electronic pressure regulator (EPR) caused a reactor pressure increase sufficient to initiate a high neutron flux reactor scram at 1250 hours. The EPR was repaired, and reactor startup was commenced, and the unit was returned to service at 1330 hours on January 11.

On January 31, at 0630 hours, the condenser circulating water system was placed into reverse flow operation due to intake tunnel icing problems. This resulted in a required electrical power reduction to approximately 73%. After the plant was stabilized, the power level was increased within preconditioning limitations to approximately 89%.

CLASS I WORK - MAINTENANCE - JANURARY 1981

- #4789 - Replaced 2 nipples on Fuel Pump to #103 Diesel Generator 1/9/81
- #13708 - Replaced union and short piece of pipe on #12 Instrument Air Compressor Cooling Water 1/20/81
- #13720 - Changed CRD Filters 1/26/81

CLASS I WORK - INSTRUMENT & CONTROL - JANUARY 1981

- #4794 - Cal. #12 Feedwater Oil Pressure SW
- #4799 - CRD 22-27 - Replace Solenoids #121 & 122

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