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SUBJECT: Monthly operating rept for May 1997 for NMP Unit 1.W/970613 ltr.

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NIAGARA MOHAWK
GENERATION
BUSINESS GROUP

NINE MILE POINT NUCLEAR STATION/LAKE ROAD, P.O. BOX 63, LYCOMING, NEW YORK 13093

June 13, 1997
NMP91456

U.S. Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, D.C. 20555

RE: Nine Mile Point Nuclear Station Unit #1
Docket No. 50-220
DPR-63

Subject: Operating Statistics and Shutdowns - May 1997

Gentlemen:

Submitted herewith is the Report of Operating Statistics, Unit Shutdowns and Power Reductions, and a Narrative of Operating Experience for May 1997 for the Nine Mile Point Nuclear Station Unit #1.

Very truly yours,

Norman L. Rademacher
Plant Manager - Unit One

/lh

Enclosures

pc: H.J. Miller, Regional Administrator, Region 1
B.S. Norris, Senior Resident Inspector

IE24

9706250050 970531
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R PDR

OPERATING DATA REPORT

DOCKET NO.: 50-220
DATE: 6/10/97
PREPARED BY: D. E. Coleman
TELEPHONE: (315) 349-2558

OPERATING STATUS

1. Unit Name: Nine Mile Point Unit #1
2. Reporting Period: May 1997
3. Licensed Thermal Power (MWt): 1850
4. Nameplate Rating (Gross MWe): 642
5. Design Electrical Rating (Net MWe): 613
6. Maximum Dependable Capacity (Gross MWe): 584
7. Maximum Dependable Capacity (Net MWe): 565
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	3623.0	242,880.2
12. Number of Hours Reactor Was Critical	386.3	1839.2	164116.2
13. Reactor Reserve Shutdown Hours	0.0	0	1,204.2
14. Hours Generator On-Line	338.7	1783.9	160,140.1
15. Unit Reserve Shutdown Hours	0.0	0	20.4
16. Gross Thermal Energy Generated (MWH)	543,109.0	3,156,689.0	272,363,469.0
17. Gross Electrical Energy Generated (MWH)	178,998.0	1,072,360.0	90,650,816.0
18. Net Electrical Energy Generated (MWH)	174,141.0	1,043,079.0	87,904,633.0
19. Unit Service Factor	45.5	49.2	65.9
20. Unit Availability Factor	45.5	49.2	65.9
21. Unit Capacity Factor (Using MDC Net)	41.4	51.0	59.9
22. Unit Capacity Factor (Using DER Net)	38.2	47.0	58.4
23. Unit Forced Outage Rate	35.2	11.2	22.3

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

25. If shutdown At End of Report Period, Estimated Date of Startup:

OPERATING DATA REPORT

DOCKET NO.: 50-220
DATE: 6/10/97
PREPARED BY: D. E. Coleman
TELEPHONE: (315) 349-2558

MONTH May 1997

DAY	AVERAGE DAILY POWER LEVEL (Mwe-Net)	DAY	AVERAGE DAILY POWER LEVEL (Mwe-Net)
1	0	17	0
2	0	18	25
3	0	19	180
4	0	20	429
5	0	21	456
6	0	22	571
7	0	23	603
8	0	24	610
9	0	25	616
10	5	26	616
11	0	27	614
12	0	28	614
13	31	29	614
14	50	30	612
15	0	31	613
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.

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH - May 1997

DOCKET NO: 50-220
UNIT NAME: NMP#1
DATE: 6/10/97
PREPARED BY: D.-E. Coleman
TELEPHONE: (315) 349-2558

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
2	970303	S	219.6	C/A	2				The unit was shutdown for a scheduled 35-day refuel outage and was extended for work on the core shroud. The outage was completed on 5-10-97 @ 0336, totaling 1611.2 hours.
3	970510	F	83.5	A	2				The unit was shutdown to rebalance the turbine generator.
4	970514	S	1.2	B	4				Generator was removed from service to perform turbine trip test. The reactor remained critical.
5	970514	F	100.5	A	2				The plant was shutdown to make repairs to reactor water cleanup system.
6	970519	S	.5	B	4				Generator was removed from service to perform turbine high speed stop verification test.

1

F: Forced
S: Scheduled

Reason:
A-Equipment Failure (Explain)
B-Maintenance or Test
C-Refueling
D-Regulatory Restriction

Method:
1-Manual
2-Manual Scram
3-Automatic Scram
4-Other (Explain)

Exhibit G - Instructions for Preparation of Data Entry Sheets for Licensee Event Report (LER) File (NUREG-0161)

Exhibit I-Same Source

NIAGARA MOHAWK POWER CORPORATION

NINE MILE POINT NUCLEAR STATION UNIT #1

NARRATIVE OF OPERATING EXPERIENCE

The station operated during the month of May 1997 with a Unit Availability Factor of 45.5% and a Net Design Electrical Capacity Factor of 38.2%. There were no challenges to the Electromatic Relief Valves. Reductions in Capacity Factor were due to the continuation of refuel outage #14, reactor startup and power ascension which involved 3 reactor starts and 5 turbine starts.

The refuel outage ended on May 10, 1997 @ 0336 when the unit was synchronized to the grid. The duration of the scheduled, plus extended refuel outage was 1611.6 hours (67.2 days). On May 10, 1997, the unit experienced high turbine vibrations. The reactor was manually scrammed @ 0557 in order to rebalance the turbine generator, resulting in a 83.5 hour outage. The unit was placed back in service on May 13, 1997 @ 1635. On May 14, 1997 @ 0148 the unit was removed from service for 1.2 hours for a turbine overspeed trip test. After the test the unit was sychronized to the grid. A few hours later the unit was shutdown for a duration of 100.5 hours to repair a leak on the reactor water cleanup system. A manual scram was inserted @ 1355. On May 18, 1997, the plant was placed back in service @ 1813 and the next day the unit was taken off line for 0.5 hours while performing a turbine high speed stop verification test. After this test the plant was placed back in service and power ascension was completed on May 23, 1997 @ 1615. During the last phase of the startup there were several events which caused further delays and capacity factor losses. Control rod 10-31 required maintenance work and had to be tested. Repairs were required to seal a leaking manway cover on a reheater drain tank. Power was limited to 80% CTP due to #115 & 135 feedwater heaters out of service. This was caused by sticking extraction steam non-return valves.