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 FACIL: 50-410 Nine Mile Point Nuclear Station, Unit 2, Niagara Moha 05000410
 AUTH. NAME AUTHOR AFFILIATION
 SAUNDERSON, R. Niagara Mohawk Power Corp.
 MCCORMICK, M.J. Niagara Mohawk Power Corp.
 RECIP. NAME RECIPIENT AFFILIATION

SUBJECT: Monthly operating rept for Apr 1991 for Nine Mile Point Unit
2.W/910513 ltr.

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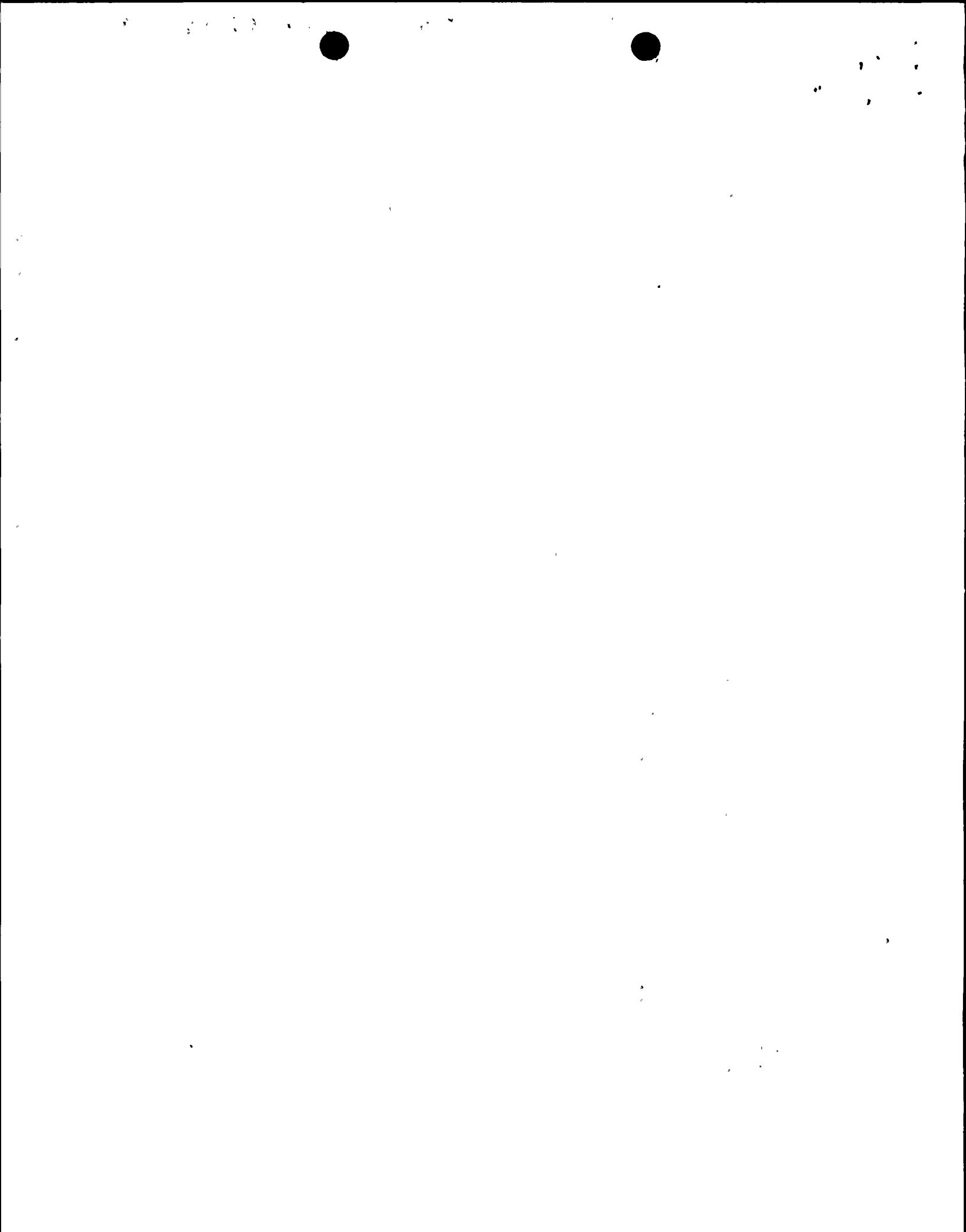
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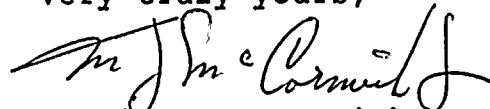
SUBJECT: Operating Statistics—April 1991
Unit Shutdowns and Power Reductions
Docket No. 50-410
NINE MILE POINT UNIT 2

Dear Sir:

Submitted herewith is the Report of Operating Statistics and the Unit Shutdowns and Power Reductions summary for April 1991 for the Nine Mile Point Nuclear Station Unit 2.

Also included is a narrative report of Operation Experience for April 1991.

Very truly yours,



Martin J. McCormick, Jr.
Plant Manager - NMP#2

MJM/tld
Enclosures

xc: Regional Administrator, Region I
W. A. Cook, Resident Inspector

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NIAGARA MOHAWK POWER CORPORATION
NINE MILE POINT NUCLEAR STATION UNIT #2
NARRATIVE OF OPERATING EXPERIENCE

*Page III
5/6/91*

Nine Mile Point Unit 2 operated with a capacity factor of 57.47% (MDC - net) and an availability factor of 61.42% during the month of April 1991.

Nine Mile Point Unit Two remained shutdown until 14:22 on April 12, 1991, to repair the stainless steel flex hose failure on the sample line from the discharge piping of Reactor Recirculation Pump A. The flex hose was replaced by a stainless steel pipe configured to support movement/displacement between the Sample System and Reactor Recirculation Pump A discharge piping (plant modification No. PN2Y91MX011). The removed flexible hose will be sent to an off-site metallurgical laboratory for failure analysis (Refer to LER 91-006).

Other capacity losses for the month of April were due to plant startup and required testing, control rod configuration changes, scheduled turbine valve surveillance tests, output limitations due to Main Condenser fouling, and ambient restrictions on the Cooling Tower (increasing ambient temperatures).

There were no challenges to safety relief valves during this reporting period.



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OPERATING DATA REPORT

DOCKET NO.: 50-410

DATE: 5/02/91

PREPARED BY: R. Saunderson

TELEPHONE: (315) 349-4888

Handwritten signature

OPERATING STATUS

1. Unit Name: Nine Mile Point Unit #2
2. Reporting Period: April 1-31, 1991
3. Licensed Thermal Power (MWt): 3323
4. Nameplate Rating (Gross MWe): 1214
5. Design Electrical Rating (Net MWe): 1097
6. Maximum Dependable Capacity (Gross MWe): 1157
7. Maximum Dependable Capacity (Net MWe): 1095
8. If Changes Occur in Capacity Ratings (Items Number 3 through 7) Since Last Report, Give Reasons:
Items 6 and 7 adjusted due to ambient limitation

Notes
Items 21 and 22 Cum. are weighted values.

9. Power Level To Which Restricted, If Any (Net MWe): N/A

10. Reasons For Restrictions, If Any: N/A

	This Month	Yr-to-Date	Cumulative
11. Hours in Reporting Period	719.0	2,879.0	26,904.0
12. Number of Hours Reactor Was Critical	503.0	2,152.3	15,141.2
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	441.63	1,855.23	14,182.23
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	1,407,249.37	5,689,692.49	41,490,162.54
17. Gross Electrical Energy Generated (MWH)	479,449.81	1,920,080.54	13,692,305.96
18. Net Electrical Energy Generated (MWH)	452,501.63	1,807,384.05	12,831,167.3
19. Unit Service Factor	61.42	64.44	52.71
20. Unit Availability Factor	61.42	64.44	52.71
21. Unit Capacity Factor (Using MDC Net)	57.47	57.25	43.91
22. Unit Capacity Factor (Using DER Net)	57.37	57.23	43.69
23. Unit Forced Outage Rate	38.58	14.71	24.74
24. Shutdowns Scheduled Over Next 6 Months (Type, Date and Duration of Each): Scheduled Maintenance, 9/30/91, 3 weeks			

25. If Shut Down At End of Report Period, Estimated Date of Startup: N/A

26. Unit is Test Status (Prior to Commercial Operation):

Forecast	Achieved
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INITIAL CRITICALITY	_____	05/23/87
INITIAL ELECTRICITY	_____	08/08/87
COMMERCIAL OPERATION	_____	04/05/88



APPENDIX B
AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO.: 50-410

Unit: NMP2

DATE: 05/02/91

PREPARED BY: R. Saunderson

TELEPHONE: (315) 349-4888

12297
5/2/91

MONTH March 1991

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	0	17	1088
2	0	18	1088
3	0	19	1085
4	0	20	1082
5	0	21	1086
6	0	22	1088
7	0	23	1084
8	0	24	1079
9	0	25	1084
10	0	26	1079
11	0	27	1068
12	136	28	1079
13	488	29	1074
14	1013	30	1071
15	1079	31	-
16	1084		

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.



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UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO: 50-410
 UNIT NAME: NMP#2

DATE: 5/02/91

REPORT MONTH - April 1991

PREPARED BY: R. Saunderson
 TELEPHONE: (315) 349-4888

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
9101	04/01/91	F	277.37	A	1	91-006	AD	PSX	Continuation of outage to repair sample line stainless-steel flexible hose failure on discharge piping from Reactor Recirculation Pump A. The cause of the failure is under investigation. Plant modification (No. PN2Y91MX011) was installed which included removal of the flexible hose and replacing it with a stainless-steel pipe configured to support movement/displacement between the Sample System and Reactor Recirculation Pump A discharge piping.

¹
 F: Forced
 S: Scheduled

²
 Reason:
 A-Equipment Failure (Explain)
 B-Maintenance or Test
 C-Refueling
 D-Regulatory Restriction
 E-Operator Training & License Exam
 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

1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100.