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 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 1993 for NMPNS, unit 2.W/  
930511 ltr.

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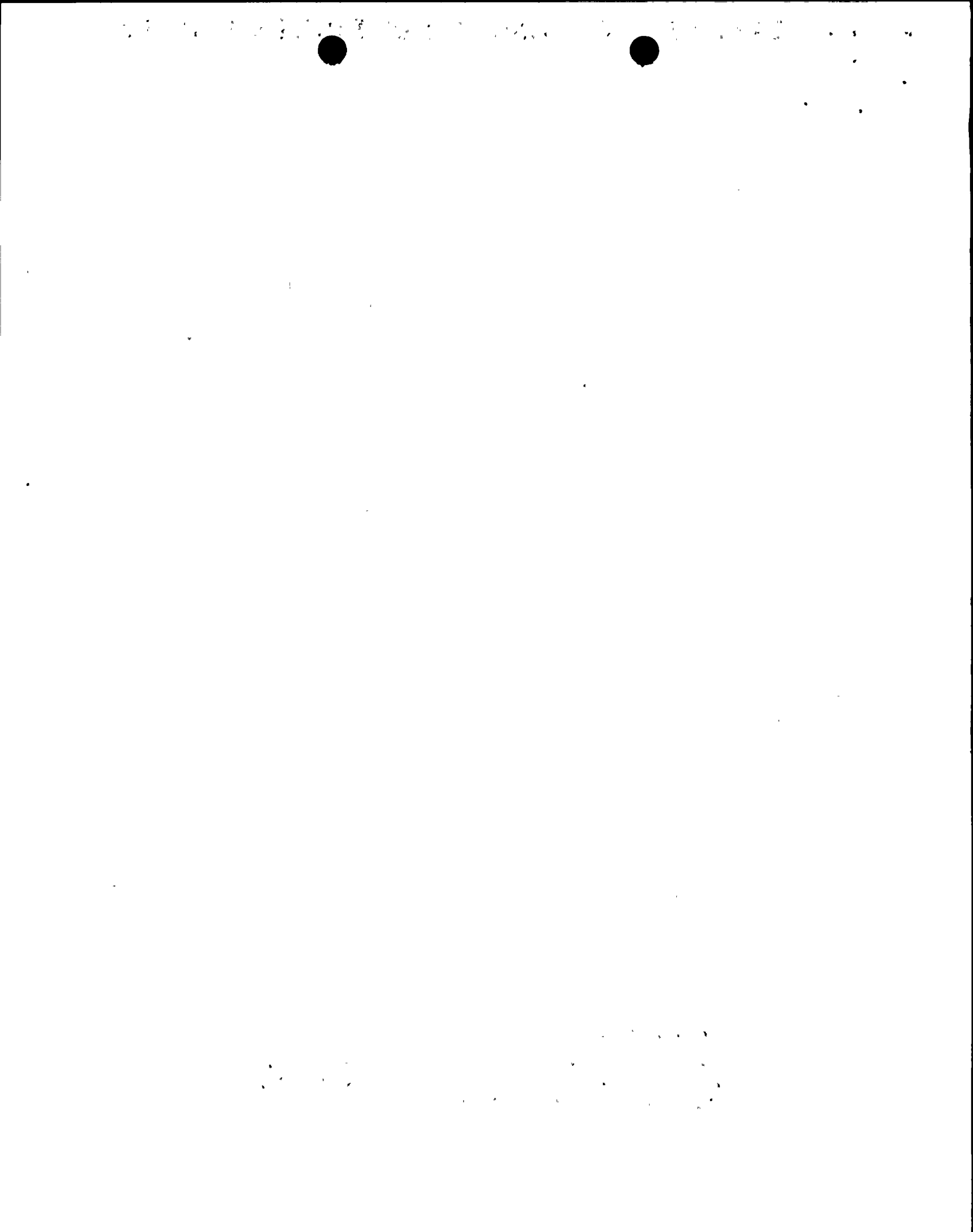
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NINE MILE POINT—UNIT 2/P.O. BOX 63, LYCOMING, NY 13093

Martin J. McCormick Jr. PE  
Plant Manager-Unit 2  
Nuclear Generation

May 11, 1993  
NMP88355

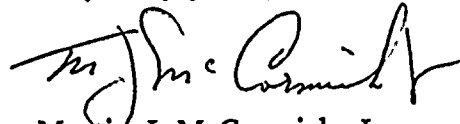
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RE: Operating Statistics - April 1993  
Unit Shutdowns and Power Reductions  
Docket No. 50-410  
NINE MILE POINT UNIT 2

Dear Sir:

Submitted herewith is the Report of Operating Statistics, the Unit Shutdowns and Power Reductions Summary, and a narrative report of Operation Experience for April 1993.

Very truly yours,

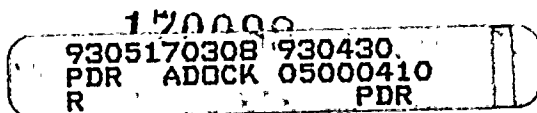


Martin J. McCormick, Jr.  
Plant Manager - NMP2

RWS/sab

Enclosures

pc: Thomas T. Martin, Regional Administrator Region 1  
Wayne L. Schmidt, Senior Resident Inspector



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OPERATING DATA REPORT

DOCKET NO.: 50-410

DATE: 05/06/93

PREPARED BY: R. Sanderson

TELEPHONE: (315) 349-4888

OPERATING STATUS

1. Unit Name: Nine Mile Point Unit #2
2. Reporting Period: April 1-30, 1993
3. Licensed Thermal Power (MWt): 3323
4. Nameplate Rating (Gross MWe): 1214
5. Design Electrical Rating (Net MWe): 1062
6. Maximum Dependable Capacity (Gross MWe): 1123
7. Maximum Dependable Capacity (Net MWe): 1061
8. If Changes Occur in Capacity Ratings (Items Number 3 through 7) Since Last Report, Give Reasons:  
Items 6 & 7 recalculated due to changes in ambient conditions.

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	44,448.0
12. Number of Hours Reactor Was Critical	719.0	2,879.0	24,488.16
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	719.0	2,879.0	26,863.34
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	2,375,814.15	9,405,599.91	82,321,760.54
17. Gross Electrical Energy Generated (MWH)	788,143.12	3,121,864.48	27,321,421.61
18. Net Electrical Energy Generated (MWH)	742,956.77	2,939,868.42	25,671,157.26
19. Unit Service Factor	100.0	100.0	60.44
20. Unit Availability Factor	100.0	100.0	60.44
21. Unit Capacity Factor (Using MDC Net)	97.39	96.18	53.46
22. Unit Capacity Factor (Using DER Net)	97.30	96.15	53.12
23. Unit Forced Outage Rate	0.0	0.0	20.43
24. Shutdowns Scheduled Over Next 6 Months (Type, Date and Duration of Each): Refuel outage, 10/01/93, 60 days			

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

26. Unit in Test Status (Prior to Commercial Operation): Forecast      Achieved

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



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.

APPENDIX B  
AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO.: 50-410  
UNIT: NMP2  
DATE: 05/06/93  
PREPARED BY: R. Saunderson  
TELEPHONE: (315) 349-4888

MONTH April 1993

| DAY | AVERAGE DAILY POWER LEVEL<br>(MWe-Net) | DAY | AVERAGE DAILY POWER LEVEL<br>(MWe-Net) |
|-----|--|-----|--|
| 1   | 1,038                                  | 17  | 1,033                                  |
| 2   | 1,048                                  | 18  | 1,040                                  |
| 3   | 1,043                                  | 19  | 1,035                                  |
| 4   | 914                                    | 20  | 1,032                                  |
| 5   | 1,045                                  | 21  | 1,038                                  |
| 6   | 1,044                                  | 22  | 1,040                                  |
| 7   | 1,043                                  | 23  | 1,038                                  |
| 8   | 1,040                                  | 24  | 1,029                                  |
| 9   | 1,034                                  | 25  | 1,031                                  |
| 10  | 1,034                                  | 26  | 1,039                                  |
| 11  | 1,043                                  | 27  | 1,039                                  |
| 12  | 1,043                                  | 28  | 1,033                                  |
| 13  | 1,041                                  | 29  | 1,028                                  |
| 14  | 1,041                                  | 30  | 1,028                                  |
| 15  | 1,031                                  | 31  | N/A                                    |
| 16  | 1,030                                  |     |  |

INSTRUCTIONS

On this form, list the average daily unit power level in MWe-Net for each day in the reporting month. Compute to the nearest whole megawatt.



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



UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO: 50-410  
 UNIT NAME: NMP#2  
 DATE: 05/06/93

REPORT MONTH - April 1993

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

| 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  |
|-----------------|----------|-------------------|------------------|---------------------|--|-------------------------|--------------------------|-----------------------------|--|
| 9307<br>(cont.) | 04/01/93 | F                 | 2                | A                   | 4  | N/A                     | N/A                      | N/A                         | Reduced reactor power to remove Reactor Feedwater pump 2FWS-P1B from service due to a failed pump outboard seal. 2FWS-P1C placed in service. Cause of failure under investigation. |
| 9308            | 04/04/93 | S                 | 12               | H                   | 4  | N/A                     | N/A                      | N/A                         | Reduced reactor power to approximately 55% to shutdown Reactor Feedwater pump 2FWS-P1C and return 2FWS-P1B to service.   |

- <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 Exam  
 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



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

Nine Mile Point Unit Two operated with an availability factor of 100% and a capacity factor of 97.39% (MDC) during the month of April 1993.

The electrical capacity reduction was due mainly to two power reductions to exchange operating Reactor Feedwater pumps (refer to Unit Shutdowns and Power Reductions summary) and Condenser tubeside (Circulating Water) fouling.

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

