

John H. Mueller  
Senior Vice President and  
Chief Nuclear Officer

Office: (315) 349-7907  
Fax: (315) 349-1321  
e-mail: muellerj@nimo.com

June 19, 1998  
NMP1L 1331

U. S. Nuclear Regulatory Commission  
Attn: Document Control Desk  
Washington, DC 20555

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

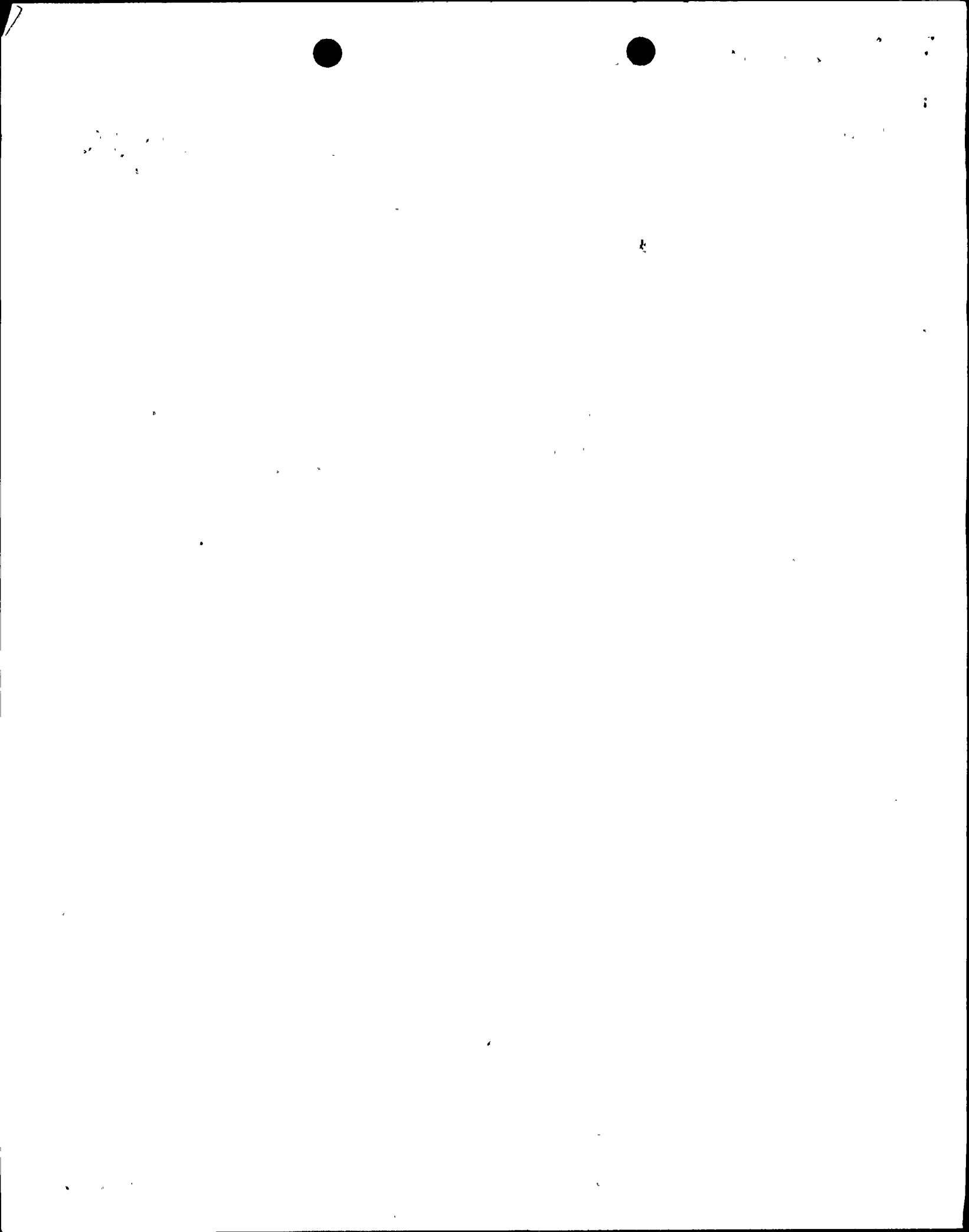
Gentlemen:

Niagara Mohawk Power Corporation (NMPC) hereby transmits an Application for Amendment to the Nine Mile Point Unit 1 (NMP1) Operating License DPR-63. Also enclosed are the proposed changes to the Technical Specifications (TS) set forth in Appendix A of the above-mentioned license. Included as Attachment B is a hand-marked version of the proposed changes. Supporting information and analyses demonstrating that the proposed changes involve no significant hazards consideration pursuant to 10CFR50.92 are included as Attachment C. Attachment D contains Report No. MPM-59838, Pressure-Temperature Operating Curves for Nine Mile Point Unit 1, prepared by MPM Technologies, Inc., for NMPC.

In order to ensure safe operation of a nuclear power plant during heatup, cooldown, and leakage and hydrostatic test conditions, it is necessary to conservatively calculate allowable stress loadings for the ferritic reactor pressure vessel (RPV) materials. These allowable loadings are presented as a plot of measured coolant pressure versus measured coolant temperature (pressure-temperature curves). NMP1 TS Section 3.2.2/4.2.2 contains the existing NMP1 pressure-temperature operating curves. These curves, Figures 3.2.2.a, b, c, d, and e, and their associated Tables are valid for up to 18 effective full power years (EFPYs) of core operation which is estimated to be reached on December 21, 1998. Consequently, NMPC has developed new pressure-temperature curves which permit continued plant operation for up to 28 EFPYs and has proposed the appropriate changes to TS Section 3.2.2/4.2.2 for your review and approval. NMPC has also submitted the associated changes to the Bases for TS 3.2.2 and 4.2.2. Since invalid pressure-temperature curves would require a plant shutdown, NMPC requests approval of this Application for Amendment by December 1, 1998 to provide time to implement the Amendment prior to reaching 18 EFPYs (i.e., December 21, 1998).

11  
A001

9807240388 980619  
PDR ADOCK 05000220  
P PDR



Page 2

Pursuant to 10CFR50.91(b)(1), NMPC has provided a copy of this license amendment request and the associated analyses regarding no significant hazard considerations to the appropriate state representative.

Very truly yours,



John H. Mueller  
Chief Nuclear Officer

JHM/JMT/kap  
Attachments

xc: Mr. H. J. Miller, NRC Regional Administrator, Region I  
Mr. S. S. Bajwa, Director, Project Directorate, I-1, NRR  
Mr. B. S. Norris, Senior Resident Inspector  
Mr. D. S. Hood, Senior Project Manager, NRR  
Mr. J. P. Spath  
NYSERDA  
2 Empire Plaza, Suite 1901  
Albany, NY 12223-1253  
Records Management



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