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SUBJECT: Forwards GE Licensing TR GENE-A13-00360-02, "Application of Stability Long-Term Solution Option II to NMPNS Unit 1," per GL 94-02.

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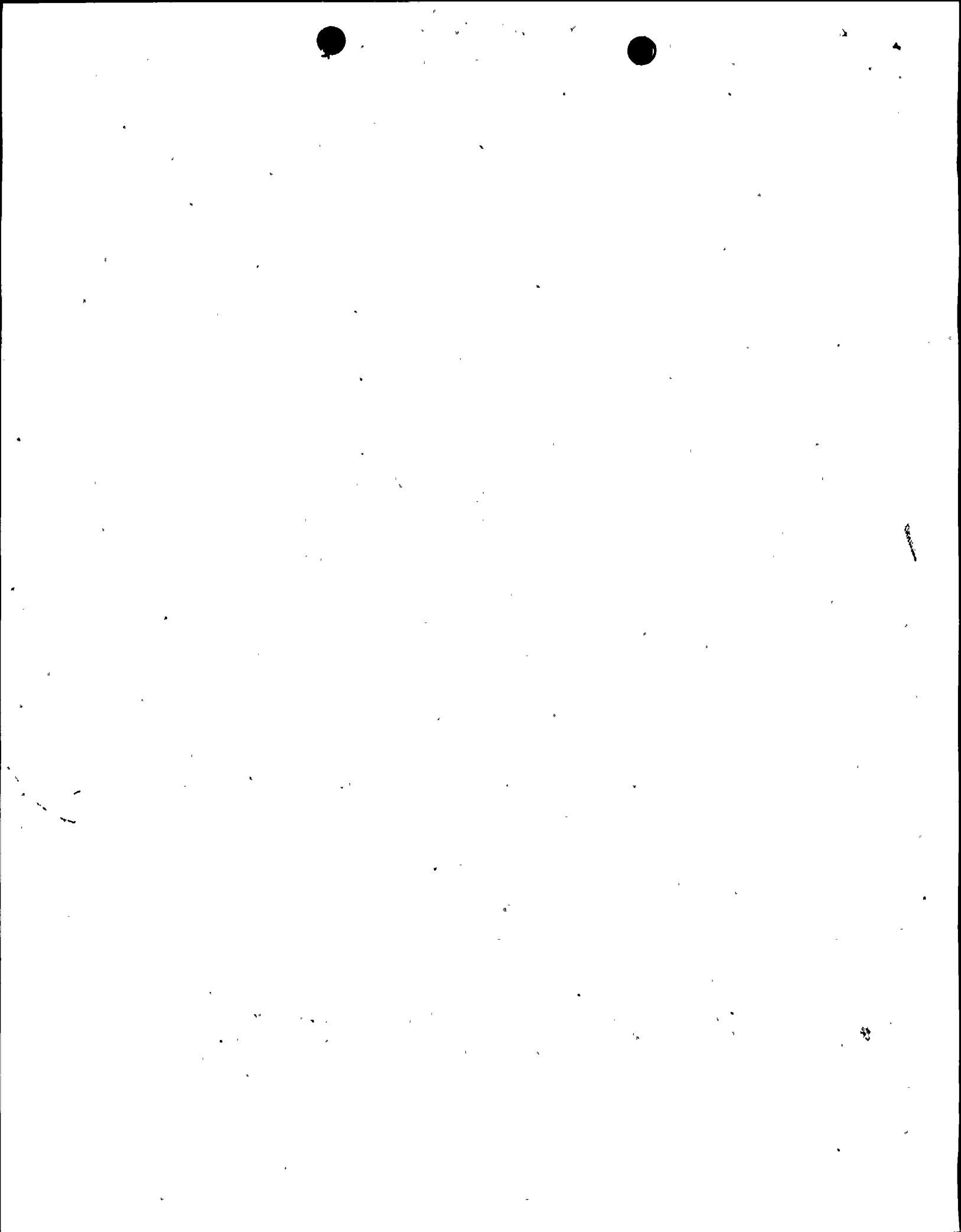
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CARL D. TERRY
Vice President
Nuclear Engineering

October 2, 1995
NMP1L 0985

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

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

Subject: *Generic Letter 94-02, "Long-Term Solutions and Upgrade of Interim
Operating Recommendations for Thermal-Hydraulic Instabilities in Boiling
Water Reactors"*

Gentlemen:

By letter dated July 11, 1994, the Commission issued Generic Letter 94-02, "Long-Term Solutions and Upgrade of Interim Operating Recommendations for Thermal-Hydraulic Instabilities in Boiling Water Reactors." Generic Letter 94-02 requested that each licensee take appropriate actions to augment its procedures and training for responding to thermal-hydraulic instabilities and to submit a plan describing the long-term stability solution option it had selected and the associated implementation schedule.

Niagara Mohawk's letter dated September 8, 1994 indicated that Nine Mile Point Unit 1 (NMP1) would implement the Boiling Water Reactor Owners' Group (BWROG) solution Option II. Option II (Quadrant-Based APRM SCRAM), as delineated in NEDO-31960, indicates that the existing quadrant-based APRM systems of Boiling Water Reactor/2 plants (i.e., NMP1) will initiate a reactor scram when the magnitude of the expected oscillations are sufficiently less than would be needed to challenge the Minimum Critical Power Ratio (MCPR) safety limit. Niagara Mohawk committed to perform a plant-specific analysis for NMP1 using the Option II methodology to confirm the acceptability of the quadrant-based APRM to automatically suppress oscillations before safety margins were compromised. Our letter also indicated that no Technical Specification changes were expected.

Attachment A to this letter provides this analysis. In summary, the analysis indicates that the NMP1 quadrant based APRM system is adequate to detect and suppress reactor core oscillations. The analysis recommends that the APRM flow-biased trip setpoint be changed to limit the size of the oscillation magnitude at reactor trip, thereby limiting the associated CPR change (and ensuring compliance with the MCPR safety limit).

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Changing this setpoint will require submittal of a plant Technical Specification amendment application. Niagara Mohawk is evaluating other means (in lieu of changing the APRM flow-biased trip setpoint) to ensure compliance with the MCPR safety limit. The results of this evaluation and an implementation schedule will be submitted to the Commission by December 31, 1995.

Very truly yours,



C. D. Terry
Vice President - Nuclear Engineering

CDT/JMT/kap
Attachment

xc: Regional Administrator, Region I
Mr. L. B. Marsh, Director, Project Directorate I-1, NRR
Mr. G. E. Edison, Senior Project Manager, NRR
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Records Management

