



Niagara Mohawk

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September 21, 1998
NMP1L 1362

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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 94-03, Intergranular Stress Corrosion Cracking of Core Shrouds in Boiling Water Reactors*

Gentlemen:

Niagara Mohawk Power Corporation's (NMPC) letter dated June 30, 1998 provided information related to the effects of vessel material coupon dosimetry effects on the Nine Mile Point Unit 1 core shroud boat sample fluence measurement analysis. The letter provided revisions to earlier analyses and predicted that further refinement may be expected when the results of detailed Cycle 12 neutron transport analyses were incorporated.

Attachment 1 to this letter, "Nine Mile Point Unit 1 Shroud Neutron Transport Analysis," provides the results of the detailed Cycle 12 analyses, summarizes impacts to the earlier analyses, and provides a response to an NRC technical reviewer's request for additional information provided during a telephone conversation on July 17, 1998. The reviewer requested NMPC to provide a best estimate fluence analysis, with a 1 sigma uncertainty, for the core shroud welds V9 and V10.

Since the attached report is copyright protected by the author, enclosed is a copyright release permitting limited distribution within the NRC. //

NMPC has concluded, based on the analyses submitted to date, as amended by the attached report, that the best estimate fluence analysis for shroud welds V9 and V10, with a 1 sigma uncertainty, remains below $5E20$ n/cm² for the locations credited in the fracture mechanics analysis. ACP18

Very truly yours,



Richard B. Abbott
Vice President Nuclear Engineering

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Attachment

xc: Mr. H. J. Miller, Regional Administrator Region I
Mr. S. S. Bajwa, Acting Director, Project Directorate I-1, NRR
Mr. B. S. Norris, Senior Resident Inspector
Mr. D. S. Hood, Senior Project Manager, NRR
Records Management

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