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SUBJECT: Forwards second phase uncertainty analysis, titled "Nine Mile Point Unit 1 Shroud Neutron Transport & Uncertainty Analysis," MPM-108679. Uncertainty estimates given in MPM-998676 are superseded.

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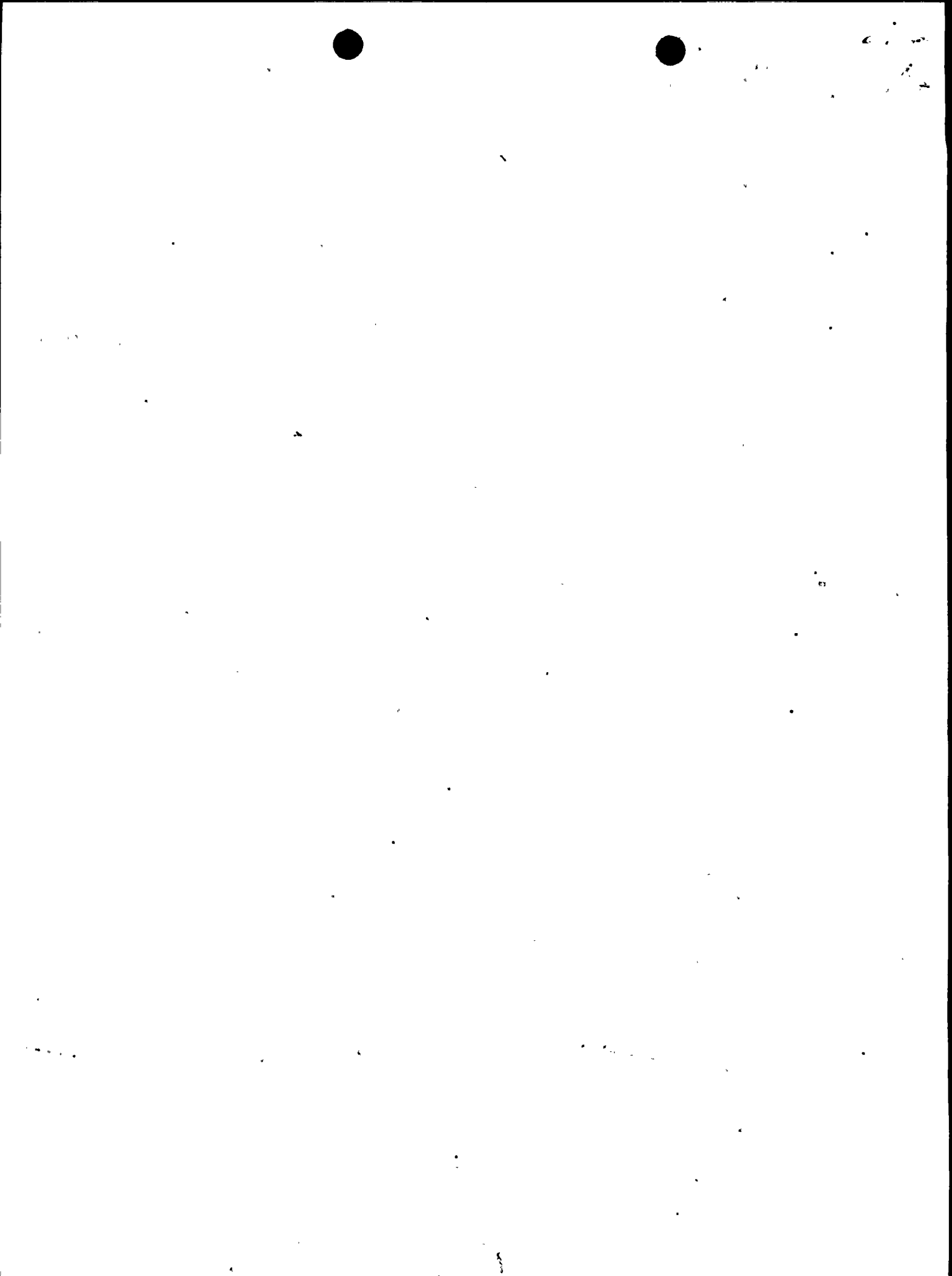
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U.S. Nuclear Regulatory Commission  
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RE: Nine Mile Point Unit 1  
Docket No. 50-220  
DPR-63

**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 September 21, 1998, provided the Nine Mile Point Unit 1 (NMP1) core shroud neutron transport analysis (Report Number MPM-998676). Section 4.0 of that analysis indicated that a detailed uncertainty analysis was being performed as part of a second phase of this study.

Attached is the second phase uncertainty analysis, titled "Nine Mile Point Unit 1 Shroud Neutron Transport and Uncertainty Analysis" (Report No. MPM-108679), which supersedes the uncertainty estimates given earlier in MPM-998676. This uncertainty analysis also contains updated fluence results for the reactor vessel. The overall conclusion based on this uncertainty analysis is that the resulting peak fluence will remain below  $5.0E + 20$  n/cm<sup>2</sup> through the end of cycle 13, considering 14,500 hours of hot operating time and adding one sigma uncertainty to the mean best estimate peak fluence. This conclusion confirms that the NMP1 core shroud vertical welds will remain below the  $5.0E + 20$  n/cm<sup>2</sup> fluence condition identified in the NRC's June 8, 1998, Safety Evaluation of the BWRVIP-14 crack growth assessment, which results in the application of a growth rate of  $2 \cdot 2E-5$  in/hr to the vertical weld cracks.

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

Very truly yours,

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