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Report Title: Generic Environmental Impact Statement for License
Renewal of Nuclear Plants - Regarding McGuire Nuclear
Station, Units 1 and 2 - Final Report

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Instructions: Please insert the three paragraphs on the attached page into page
xviii of the report, in the Executive Summary, before the paragraph
that begins "Mitigation measures were considered...".

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Duke and the NRC staff have established independent processes for identifying and evaluating the significance of any new information on the environmental impacts of license renewal. Neither Duke nor the staff has identified any information that is both new and significant related to Category 1 issues that would call into question the conclusions in the GEIS. Similarly, neither the scoping process, Duke, nor the staff has identified any new issue applicable to McGuire that has a significant environmental impact. Therefore, the staff relies upon the conclusions of the GEIS for all Category 1 issues that are applicable to McGuire.

Duke's license renewal application presents analyses of the Category 2 issues that are applicable to McGuire plus environmental justice and chronic effects from electromagnetic fields. The staff has reviewed the Duke analysis for each issue and has conducted an independent review of each issue. Five Category 2 issues are not applicable because they are related to plant design features or site characteristics not found at McGuire. Four Category 2 issues are not discussed in this SEIS because they are specifically related to refurbishment. Duke has stated that its evaluation of structures and components, as required by 10 CFR 54.21, did not identify any major plant refurbishment activities or modifications as necessary to support the continued operation of McGuire for the license renewal period. In addition, any replacement of components or additional inspection activities are within the bounds of normal plant component replacement and, therefore, are not expected to affect the environment outside of the bounds of the plant operations evaluated in the *Final Environmental Statement Related to the Proposed William B. McGuire Nuclear Station Units 1 & 2, Duke Power Company*.

Eleven Category 2 issues related to operational impacts and one related to postulated accidents during the renewal term, as well as environmental justice and chronic effects of electromagnetic fields, are discussed in detail in this SEIS. Five of the Category 2 issues and environmental justice apply to both refurbishment and to operation during the renewal term and are only discussed in this SEIS in relation to operation during the renewal term. For all 12 Category 2 issues and environmental justice, the staff concludes that the potential environmental effects are of SMALL significance in the context of the standards set forth in the GEIS. In addition, the staff determined that appropriate Federal health agencies have not reached a consensus on the existence of chronic adverse effects from electromagnetic fields. Therefore, no further evaluation of this issue is required. For severe accident mitigation alternatives (SAMAs), the staff concludes that a reasonable, comprehensive effort was made to identify and evaluate SAMAs. Although one of the SAMAs related to hydrogen control in station blackout sequences is cost beneficial and offers a level of risk reduction, this SAMA does not relate to adequately managing the effects of aging during the period of extended operation. Therefore, it need not be implemented as part of license renewal pursuant to 10 CFR Part 54, although it is being pursued as a Generic Safety Issue for the current operating license.