EXXON NUCLEAR COMPANY, Inc.

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GCC:047:82

December 7, 1982

Mr. J.J. Holonich
Core Performance Branch
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
Washington D.C. 20555

Dear Mr. Holonich:

This letter is to indicate that Exxon Nuclear Company's XN-NF-82-21 document "Application of Exxon Nuclear Company PWR Thermal Margin Methodology to Mixed Core Configurations" (Revision 1, September 1982) is intended to be generically applicable to all open lattice PWRs. For demonstrative purposes, the document presents calculational results for the D.C. Cook Unit 2 situation in which ENC reload fuel having a 0.360 inch OD rod size will be coresident with existing Westinghouse fuel having a 0.374 inch OD rod size. The principal conclusion of the report, namely that ENC's XCOBRA-IIIC-based core thermal hydraulic calculations constitute a suitable analysis of MDNBR in mixed and uniform core loadings, is considered a general conclusion applicable to open lattice PWR core cases (e.g. 14x14 and 15x15 fuel designs) and is not simply the conclusion for D.C. Cook Unit 2 (17x17).

Sincerely,

G.C. Cooke

G.C. Cooke Manager
Plant Transient Analysis

GCC:mb

cc J.C. Chandler

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Add: J.J. Holonich