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SUBJECT: Forwards SEA 97-3703-A:5, "TER Confirmatory Calculations of DC Cook Sump Water Level." Rept documents licensee findings from confirmatory containment response calculations focusing on rate of ice melting & resulting sump water level.

NOTES :

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January 5, 1998

Mr. Richard Lobel
U.S. Nuclear Regulatory Commission
Office of Nuclear Reactor Regulation
11555 Rockville Pike
Mail Stop OWFN 8 H7
Rockville, MD 20852-2738

Reference: Contract No. NRC-04-97-036, Task Order No. 3

Subject: Confirmatory Calculations of the Donald C. Cook Sump Water Level

Dear Mr. Lobel:

Enclosed please find one unbound and one bound copy of Technical Evaluation Report, "Confirmatory Calculations of the Donald C. Cook Sump Water Level." This report documents SEA's findings from our confirmatory containment response calculations focusing on the rate of ice melting and the resulting sump water level for the referenced plant, and is submitted in partial fulfillment of the deliverable requirements of the task under the referenced contract.

The technical evaluation report contains SEA's overall findings and confirmatory calculations conducted to predict thermal and hydraulics conditions that exist in the ice condensor containment following a LOCA, and their impact on melting of the ice. Please call me if you have questions.

Sincerely,

SCIENCE AND ENGINEERING ASSOCIATES, INC.

Jane E. Brideau
Deputy Project Manager

Enclosures as stated

Copy to (w/o encl.):

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