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OCT 18 1984

MEMORANDUM FOR: Roy Woods
 Generic Issues Branch
 Division of Safety Technology
 Office of Nuclear Reactor Regulation

FROM: Carl Johnson
 Reactor Risk Branch
 Division of Risk Analysis and Operations
 Office of Nuclear Regulatory Research

SUBJECT: ORNL DRAFT REPORT ON PTS

Enclosed is the ORNL draft report analyzing pressurized thermal shock based on the Calvert Cliffs-1 design, the second of the three prototype analyses ORNL will perform under this contract (the Robinson analysis is still underway). The study team doing the analysis is lead by ORNL and includes INEL, LANL, BNL and Purdue.

This research is a pilot study to develop: methods for identifying important event sequences, operator and control actions, and uncertainties; methods for analyzing the likelihood of a thru-wall crack; and methods for comparing the effectiveness of postulated corrective measures.

This draft has not yet been reviewed by NRC. The study is based on information on plant design and operating procedures from the FSAR and from additional information provided to this study by the Baltimore Gas and Electric Company. Drafts of individual chapters have been sent to the Baltimore Gas and Electric Company for its review of the accuracy of the plant models developed and used in this study. Comments received have been reflected in chapters 2, 3, and 4 of the enclosed draft, but are not yet reflected in later chapters. The NRC research review group for this project will review and comment on the appropriateness of methods used, information sources, judgments, and assumptions. The resulting comments will be treated in the final version of the report.

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Enclosure:
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