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ARTHUR E. LUNGVALL, JR.
VICE PRESIDENT
SUPPLY

May 22, 1981

Mr. D. G. Eisenhut, Director
Division of Licensing
Office of Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

SUBJECT: Calvert Cliffs Nuclear Power Plant
Units 1 & 2, Docket Nos. 50-317 & 50-318
Reactor Vessel Pressurized Thermal Shock

REFERENCE: (a) Letter from D. G. Eisenhut to All Licensees
of Operating PWR's dated April 20, 1981

(b) Letter from K. P. Baskin (CEOG) to D. G.
Eisenhut (NRC-NRR) dated March 15, 1981

Dear Mr. Eisenhut:

Reference (a), which forwarded minutes of the meeting between PWR owners groups and the NRC on March 31, 1981, requested a response from the various owners group and each member utility addressing concern surrounding pressurized thermal shock events. Mr. K. P. Baskin of Southern California Electric submitted the Combustion Engineering Owners Group (CEOG) response (reference (b)). The CEOG has authorized Combustion Engineering (C-E) to prepare a program which has been sent to each of the members for review. We are now evaluating the C-E proposal.

Topics addressed by the CEOG program include determination of:

- (1) NSSS transients which can produce pressurized thermal shock
- (2) stress distributions within, and mechanical behavior of, the reactor vessel in response to such transients
- (3) relevant mechanical properties of the reactor vessel
- (4) margins available to assure preservation of reactor vessel integrity
- (5) current radiation conditions of the reactor vessel for each C-E plant

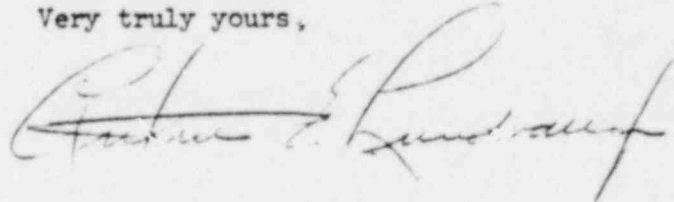
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We expect the specifics of the program to be more thoroughly discussed at the CEOG meeting scheduled early next month (June 1981). If any additional information is required, we would be pleased to provide it to you.

Very truly yours,

A handwritten signature in cursive script, appearing to read "Arthur E. Landrauf". The signature is written in dark ink and is positioned to the right of the typed closing "Very truly yours,".

cc: J. A. Biddison, Esquire
G. F. Trowbridge, Esquire
Mr. E. L. Conner, Jr. - NRC