



CHARLES CENTER • P. O. BOX 1475 • BALTIMORE, MARYLAND 21203

ARTHUR E. LUNDVALL, JR.  
VICE PRESIDENT  
SUPPLY

September 1, 1983

Director of Nuclear Reactor Regulation  
Attention: Mr. R. A. Clark, Chief  
Operating Reactors Branch #3  
Division of Licensing  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Subject: Calvert Cliffs Nuclear Power Plant  
Units Nos. 1 & 2; Dockets Nos. 50-317 and 50-318  
Detailed Control Room Design Review

Reference: (a) Letter from Mr. A. E. Lundvall, Jr. to  
Mr. R. A. Clark, Dated April 15, 1983

Gentlemen:

Supplement 1 to NUREG-0737 requires that all licensees submit within two months of the start of the control room design review (CRDR), a program plan that describes how the review will be accomplished.

Reference (a) provided our response to Supplement 1 and informed you that the Baltimore Gas and Electric Company with the assistance of the ESSEX Corporation had completed a CRDR for the Calvert Cliffs Nuclear Power Plant. To satisfy the documentation requirements of Supplement 1, we had proposed to submit a CRDR Program Plan for your review by August 1, 1983. This was to be followed with a submittal, by November 1, 1983, of a CRDR Summary Report describing the results of the review.

In July 1983 we evaluated the progress of the program plan development and discussed with you the need to extend the schedule for submittal by one month to allow for adequate internal review of the plan. Our letter of July 22, 1983 documented our commitment to provide you with the CRDR Program Plan by September 1, 1983 and the CRDR Summary Report by January 1, 1984.

In accordance with these commitments, the Calvert Cliffs CRDR Program Plan is hereby enclosed for your information and review.

Most of the CRDR was completed between May 1980 and May 1981; therefore, the review was directed at the configuration of the Calvert Cliffs control room at that time. Since that time, several instrumentation changes have been made in response to other NUREG-0737 requirements (e.g. noble gas effluent monitors and reactor coolant system high point vents). In addition, we anticipate further

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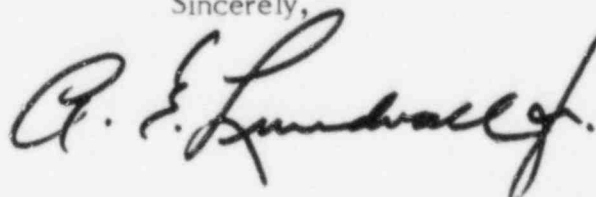
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instrumentation changes at Calvert Cliffs during the next several years as the result of other regulatory requirements. Although these changes are outside the scope of the CRDR, we feel that they should be subjected to a similar review on a case-by-case basis.

The Baltimore Gas and Electric Company is currently evaluating the most appropriate means for reviewing each new or proposed change to the control room to ensure that the human factors engineering principles applied during the CRDR are maintained as an integral part of our design change review process. After development and formalization of these ongoing human factors review requirements, we will retroactively review those changes that have been made to the control room since completion of the CRDR and will apply these requirements to future changes to the control room.

If there are any questions regarding this matter, please do not hesitate to contact us.

Sincerely,

A handwritten signature in black ink, appearing to read "R. E. Architzel". The signature is written in a cursive style with a large, sweeping initial "R".

AEL/BSM/vf

Enclosure

cc: Messrs. J. A. Biddison, Jr., Esq.  
G. F. Trowbridge, Esq.  
D. H. Jaffe, NRC  
R. E. Architzel, NRC