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September 6, 1985
RWW-85-61

Mr. F. Maraglia
Director, Division of Pressurized
Water Reactor Regulation
U.S. Nuclear Regulatory Commission
Washington, DC 20555

Subject: Transmittal of CEN-307, "CE Owners Group Generic Information
and Control Characteristics Review"

- References: (1) F. Brent Clayton, NRC Memorandum dated September 7, 1984, to Dennis L. Ziemann, Chief, Procedures and Systems Review Branch; Subject: Meeting Summary--Task Analysis Requirements of Supplement 1 to NUREG-0737, August 29, 1984, meeting with Combustion Engineering Owners Group Operations Subcommittee
- (2) Letter from R. W. Wells, CEOG to H. R. Denton, NRC, "Communications between the CEOG and the NRC", dated October 19, 1982

Dear Mr. Maraglia:

The purpose of this letter is to transmit to you the subject report. This report was prepared by Combustion Engineering (CE) for the CE Owners Group (CEOG). In an NRC CEOG meeting documented in Reference (1), the staff indicated that the CE Emergency Procedure Guidelines (CEN-152) provided an adequate functional basis for determining the operator information and control needs. Identification of operator information and control needs is part of the process of satisfying NUREG-0737, Supplement 1, Requirements for Emergency Operating Procedure Upgrades and Detailed Control Room Design Room Reviews. During this meeting, the staff also indicated that in some instances the CE Emergency Procedure Guidelines did not provide adequate task specificity for rigorous identification of operator information and control needs. The report enclosed herein documents an effort conducted by CE for the CEOG in order to develop the required task specificity and to identify, on a generic basis, the operator information and control requirements needed to support emergency operations in the control room as described in the CE Emergency Procedure Guidelines.

CEN-307 gives a thorough description of the model and method employed in conducting this generic task analysis. It also provides sample forms and data used and generated in the process of conducting the generic task analysis. Finally, CEN-307 provides the results of that task analysis in

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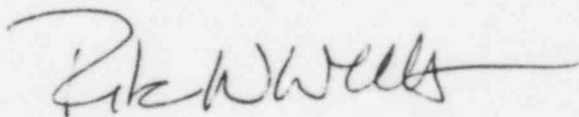
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the form of a consolidated report which lists the generic operator information and control requirements. Please note that it is anticipated that these generic information and control requirements will be revised when the generic task analysis is implemented on a plant-specific basis. Differences between the generic information and control requirements and the plant specific will be due to differences in plant specific and the generic reference plant design, differences in operating practice, and differences between the emergency procedure guidelines and plant-specific emergency operating procedures. Recent experience has shown that as much as 50 percent of the generic requirements will be changed during the plant-specific conversion as well as the addition of of another 25 to 30 percent of unique plant-specific requirements. However, employment of the generic ICCR method, model, and software will yield valid and reliable task analysis output data for use in EOP upgrade and DCRDR efforts.

By conducting a generic ICCR, the CEOG participants have developed a uniform approach to the identification of operator information and control needs as required in Supplement 1 to NUREG-0373. This approach is intended to assist the participants in meeting the requirements on a plant-specific basis. The NRC staff is requested to review this submittal and provide a formal evaluation and response.

The model and method were reviewed by the NRC staff (Human Factors Engineering Branch and Procedures and Systems Review Branch) in a July 31, 1985, meeting between the NRC and the CEOG. Based on the presentation, the staff reacted favorably. This transmittal by the CEOG is made in order to assist you and the CEOG generic ICCR participants in reaching resolution to requirements specified in NUREG-0737, Supplement 1, for CE Designed Nuclear Steam Supply Systems. Currently the CEOG participants are Southern California Edison, Baltimore Gas & Electric, Florida Power & Light, and Northeast Utilities. The transmittal is made in accordance with the terms stated in Reference (2), a copy of which is enclosed for your convenience. In particular, this submittal is not applicable to any individual licensee or license applicant until the submittal is referenced by that licensee or license applicant for use on his docket. Please send copies of any correspondence concerning this submittal to individuals identified in the attached list.

Very truly yours,



Rik W. Wells, Chairman
CE Owners Group

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Enclosures