



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D. C. 20555

December 24, 1987

STN 50-605

MEMORANDUM FOR: Frank J. Miraglia  
Associate Director for Projects

James H. Sniezek, Acting  
Associate Director for Inspection and  
Technical Assessment

FROM: Thomas E. Murley, Director  
Office of Nuclear Reactor Regulation

SUBJECT: DESIGN QA AUDIT OF GENERAL ELECTRIC CO. (ABWR)

On September 29, 1987, General Electric Company (GE) applied for a design certification for their Advanced Boiling Water Reactor (ABWR) in accordance with 10 CFR 50 Appendix O and the Commission's recently issued Standardization Policy. Although GE is the sole applicant for the design certification, the ABWR design was a joint technical effort between Hitachi, Toshiba and GE. Because of this joint design effort, special attention to the Appendix B design QA requirements is warranted; especially for those portions of the ABWR designed by Toshiba and Hitachi. Therefore, I am directing the staff to perform an audit of the GE ABWR design and design process in early 1988.

The purpose of the audit will be to review a representative portion of the total ABWR design process; however, special emphasis will be placed on those portions of the design attributable to Toshiba and Hitachi for the purpose of assuring the quality and reliability of the ABWR. The audit will provide the basis for the staff's review of the ABWR as it relates to design QA. Also, it is anticipated that the system design information acquired through the audit will facilitate the other SRP reviews carried out in support of the NRC's design certification process.

The Associate Director for Projects has been assigned the lead responsibility for establishing and coordinating the GE QA audit. It is anticipated that the audit will be a concentrated effort by an interdisciplinary team of approximately 10 experienced staff people over a 5 day period. The special audit team will be comprised of NRR staff experienced in the following review areas: Reactor Systems, Plant Systems, Instrumentation and Control Systems, Structural Engineering and Quality Assurance. Where appropriate, those assigned to the QA audit team should be the regular assigned ABWR systems reviewer. The audit team will be lead by the senior LQAB representative with the ABWR project manager as the Assistant Team Leader. The audit will be preceded by a short initial visit by 3-4 experienced personnel in February 1988 to identify areas of importance on which the audit team members should focus their attention.

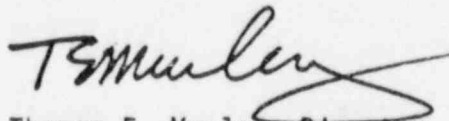
CONTACT:  
D. Scaletti  
PDSNP  
Ext. 28282

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The team will be composed of the following staff:

1. Seymour Weiss, LQAB/DLPA - Team Leader
2. Dino Scaletti, PDSNP/DRSP - Assistant Team Leader
3. Frank Hawkins, LQAB/DLPA - Member
4. Kenneth Hooks, LQAB/DLPA - Member
5. Jack Spraul, LQAB/DLPA - Member
6. Eugene Imbro, RSIB/DRIS - Member
7. Joseph Joyce, SICB/DEST - Member
8. James Stewart, SICB/DEST - Member
9. George Thomas, SRXB/DEST - Member
10. Chen Tan, ESGB/DEST - Member
11. Charles Tinkler, SPLB/DEST - Member

The preliminary visit to San Jose is presently scheduled for February 21-25, 1988. It is expected that the full team audit will take place in late March or early April 1988.



Thomas E. Murley, Director  
Office of Nuclear Reactor Regulation

Don,                      DOCKET SIN 50-605

Please see that this  
memo is placed in the PDR  
and on to the DCS.

Dino Scaletti