



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

February 29, 1988

Docket No. STN 50-105

Ricardo Artigas, Manager  
Licensing & Consulting Services  
General Electric Company  
Nuclear Energy Business Operations  
Mail Code 682  
175 Curtner Avenue  
San Jose, California 95125

Dear Mr. Artigas:

SUBJECT: PRELIMINARY DESIGN QUALITY ASSURANCE AUDIT

As a follow to the letter sent to you on February 11, 1988, we are forwarding the following list of concerns which we expect to address during the preliminary audit February 23-25, 1988.

The initial visit should enable us to establish the following:

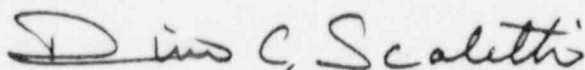
1. The systems and subsystems considered by GE to be safety-related.
2. Areas of design for which each party was responsible, by systems, hardware, functional area, etc.
3. Implementing procedures used to control the design process within each design organization.
4. Design verification methods and procedures used by each design organization, and the extent of design verification performed on safety-related systems and subsystems.
5. The change control methods and procedures used by each of the design organizations.
6. The methods and procedures used to designate and process design documents and records by each design organization.
7. Definition of the interface controls/procedures established to handle design input and output information between the design organizations.
8. The status of completion of the design of the safety-related systems and subsystems.
9. Any safety-related systems or subsystems for which GE does not consider the design complete to the extent required to initiate procurement.

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10. The location of the design documents (design bases, assumptions, calculations, drawings, specifications) for each safety-related system and subsystem.
11. The methods and procedures used by each design organization to audit the design process. Location of internal and external audit reports.
12. Examples of significant findings of design audits as well as their root cause analyses, corrective actions, and subsequent verification.

Since the NRC has accepted GE's QA topical report and GE has overall design responsibility for the ABWR in the United States, the emphasis of the later interdisciplinary team inspections will be to evaluate how effective GE has been in ensuring proper implemented design QA/QC.

Sincerely,



Dino C. Scaletti, Project Manager  
Standardization and Non-Power  
Reactor Project Directorate  
Division of Reactor Projects - III, IV,  
V and Special Projects  
Office of Nuclear Reactor Regulation

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Ricardo Artigas

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original signed by  
Dino C. Scaletti, Project Manager  
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Office of Nuclear Reactor Regulation

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