



General Electric Company  
175 Curtner Avenue San Jose CA 95125

November 30, 1990

MFN No. 143-90  
Docket No. STN 50-605  
EEN-9073

Document Control Desk  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Attention: Charles L. Miller, Director  
Standardization and Non-Power Reactor Project Directorate

Subject: **Submittal of Amendment 15 to GE's ABWR SSAR**

- Reference:
1. Submittal of Amendment 15, Proprietary Information, to GE's ABWR SSAR, MFN No. 146-90, dated November 30, 1990
  2. Submittal of Amendment 15 to GE's ABWR SSAR, Chapter 13, Conduct of Operations, MFN No. 147-90, dated November 30, 1990

Dear Mr. Miller:

Enclosed are thirty-four copies of selected sections of Chapter 1, *Introduction and General Description of Plant*, Chapter 2, *Site Characteristics*, Chapter 3, *Design of Structures, Components, Equipment, and Systems*, Chapter 4, *Reactor*, Chapter 5, *Reactor Coolant System and Connected Systems*, Chapter 6, *Engineered Safety Features*, Chapter 7, *Instrumentation and Control Systems*, Chapter 9, *Auxiliary Systems*, Chapter 10, *Steam and Power Conversion System*, Chapter 11, *Radioactive Waste Management*, Chapter 13, *Conduct of Operations*, Chapter 15, *Accident Analysis*, Chapter 18, *Human Factors Engineering*, Chapter 19, *Response to Severe Accident Policy Statement*, Chapter 20, *Question and Response Guide*, of the Standard Safety Analysis Report (SSAR) for the Advanced Boiling Water Reactor (ABWR).

This submittal includes the addition of the following information: reactor internal pump probability analysis, pressure regulator downscale failure probability analysis and ATWS performance analysis to Chapter 15; ABWR shutdown risk to Chapter 19; Chapters 1,4,5,6,9 & 15 to include update of fuel related sections; site suitability for design basis and PRA to Chapter 2; response to Chapter 3 open items; update of Chapters 5 & 15 including conversion to metric units; insider sabotage risk design considerations to Chapter 19; responses to Request for Additional Information dated August 15, 1990 to Chapter 13 and Chapter 20.

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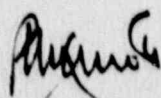
Docket No. STN 50-605  
MFN No. 145-90

In addition there are other changes to various sections of the SSAR which are identified, along with the above changes, on the page change instruction sheet. Also, enclosed is a set of revised pages for the Page Status listing.

Please note that all or parts of the following sections contain information that is designated as General Electric Company proprietary information: 2A, 4.3, 4B, 4C, 6.3, 11.2, 11.3, 15C, 15D, 19B, 19E, 19L & 20.3. This information is being submitted under separate cover (Reference 1).

Safeguards Information, included in Sections 13.6 and 20.3, is being submitted under separate cover per 10 CFR 73.21 (Reference 2).

Sincerely,



P.W. Marriott, Manager  
Regulatory and Analysis Services

cc: D. R. Wilkins (GE)  
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