



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

March 24, 1992

Project No. 681

Mr. Patrick W. Marriott, Manager  
Licensing & Consulting Services  
GE Nuclear Energy  
General Electric Company  
175 Curtner Avenue  
San Jose, California 95125

Dear Mr. Marriott:

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION TO INVESTIGATE THE SAFETY  
PERFORMANCE OF THE SIMPLIFIED BOILING WATER REACTOR (SBWR) DESIGN

By letter dated May 6, 1991, you submitted a preliminary design description for the GE SBWR entitled "SBWR Overall Plant Design Description, Requirements and Parameters," NEDG-31909, Volumes I & II, dated January 1991. The Nuclear Regulatory Commission (NRC) staff has used this document and other SBWR design details communicated during meetings with GE representatives to assess the safety characteristics of the design and identify research needs. Based upon our evaluation of this design information, albeit preliminary, we have concluded that an independent experimental investigation into SBWR safety performance is warranted. The data to be obtained from such an investigation will be used to validate analytical codes which the staff has developed to model SBWR performance.

To proceed with this activity, the staff requires an SBWR design data report which will be included in a request-for-proposal (RFP) document for a contract to design, build, and operate a scaled, low-pressure test facility. This report should contain sufficiently detailed information (e.g., piping lengths, piping diameters, component elevations, etc.) to support the preparation of a meaningful proposal. Based upon your extensive experience in constructing and operating test facilities, we believe that you know the type of data required for such an effort and, consequently, we have not compiled a specific list of required information.

If your design data report should contain proprietary information, we propose that the potential contractors sign a nondisclosure agreement with the NRC prior to receiving any proprietary data, and return all proprietary data packages when their final proposal is submitted. In addition, we request that you identify any organizations that should be excluded unconditionally from receiving GE proprietary information.

RETURN TO REGULATORY CENTRAL FILES

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Mr Patrick W. Marriott

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To facilitate the staff's efforts, we request that you submit an SBWR design data report as soon as possible, but no later than April 30, 1992.

Sincerely,

Original Signed By:

Victor M. McCree, Project Manager  
Standardization Project Directorate  
Division of Advanced Reactors  
and Special Projects  
Office of Nuclear Reactor Regulation

cc: See next page

DISTRIBUTION:

Central File	PDST R/F	TMurley/FMiraglia	DCrutchfield
NRC PDR	WTravers	RPierson	JNWilson
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AThadani, 8E2	MRubin, 8E23	ALevin, 8E23	LShotkin, NLN353
DBessette, NLN353	GRhee, NLN353		

\*See previous concurrence

OFC:	LA:PDST:DAR	*PM:PDST:DAR	SC:PDST:DAR	*D:DST:NRR
NAME:	PShea:tz <i>ps</i>	VMcCree	JNWilson	GHolahan
DATE:	03/24/92	03/20/92	03/17/92	03/23/92

OFFICIAL DOCUMENT NAME: RES-RFP.VM

Mr. Patrick W. Marriott  
General Electric Company

Project No. 681

cc: Mr. Robert Mitchell  
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