



**HITACHI**

**GE Hitachi Nuclear Energy**

James C. Kinsey  
Vice President, ESBWR Licensing

PO Box 780 M/C A-55  
Wilmington, NC 28402-0780  
USA

T 910 675 5057  
F 910 362 5057  
jim.kinsey@ge.com

MFN 08-337

Docket No. 52-010

April 17, 2008

U.S. Nuclear Regulatory Commission  
Document Control Desk  
Washington, D.C. 20555-0001

Subject: **Response to Portion of NRC Request for Additional  
Information Letter No. 132 Related to ESBWR Design  
Certification Application, RAI Number 22.5-21**

The purpose of this letter is to submit the GE Hitachi Nuclear Energy (GEH) response to the U.S. Nuclear Regulatory Commission (NRC) Request for Additional Information (RAI) sent by NRC letter dated January 15, 2008 (Reference 1). The GEH response to RAI Number 22.5-21 is addressed in Enclosure 1.

If you have any questions or require additional information, please contact me.

Sincerely,

James C. Kinsey  
Vice President, ESBWR Licensing

DO68  
NRC

Reference:

1. MFN 08-040, Letter from U.S. Nuclear Regulatory Commission to Robert E. Brown, *Request For Additional Information Letter No. 132 Related To ESBWR Design Certification Application*, January 15, 2008

Enclosure:

1. Response to Portion of NRC Request for Additional Information Letter No. 132 Related to ESBWR Design Certification Application, Non-Safety Structures, RAI Number 22.5-21

cc: AE Cabbage    USNRC (with enclosure)  
GB Stramback    GEH/San Jose (with enclosure)  
RE Brown        GEH/Wilmington (with enclosure)  
DH Hinds        GEH/Wilmington (with enclosure)  
eDRF            0000-0081-9193

**Enclosure 1**

**MFN 08-337**

**Response to Portion of NRC Request for Additional  
Information Letter No. 132  
Related to ESBWR Design Certification Application  
Non-Safety Structures  
RAI Number 22.5-21**

**NRC RAI 22.5-21**

*DCD, Revision 4, Section 19A.8.3 states that the augmented design standards are applied to High and Low Regulatory Oversight systems that meet Criterion B. Several RTNSS systems meeting Criterion B in DCD, Table 19A-2 are designated as Regulatory Treatment "Support". The staff requests GEH to identify in the DCD the standards used to design these systems and the structures that house/support them.*

**GEH Response**

The standards used to design RTNSS systems that provide support functions and the structures that house/support them are addressed in response to RAI 22.5-5 (MFN 08-336), which will add supporting information into DCD Section 19A.

**DCD Impact**

No DCD changes will be made in response to this RAI.