



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.