

September 17, 2007

Mr. Robert E. Brown
Senior Vice President, Regulatory Affairs
GE-Hitachi Nuclear Energy Americas LLC
P. O. Box 780, M/C A-30
Wilmington, NC 28401

SUBJECT: FINAL SAFETY EVALUATION FOR GE-HITACHI NUCLEAR ENERGY
AMERICAS, LLC (GHNE) TOPICAL REPORT (TR) NEDC-33006P, "MAXIMUM
EXTENDED LOAD LINE LIMIT ANALYSIS PLUS" (TAC NO. MB6157)

Dear Mr. Brown:

By letters dated August 23, 2002, and November 28, 2005, GHNE submitted NEDC-33006P, "Maximum Extended Load Line Limit Analysis Plus," to the U.S. Nuclear Regulatory Commission (NRC) staff. By letters dated April 30 and August 14, 2007, an NRC draft safety evaluation (SE) and a supplement regarding our approval of TR NEDC-33006P were provided for your review and comments. By letter dated May 4, 2007, GHNE commented on the draft SE. In a telephone call on August 30, 2007, GHNE staff informed the NRC staff that there were no comments to the supplement. The NRC staff's disposition of GHNE's comments on the draft SE are discussed in the attachment to the final SE enclosed with this letter.

The NRC staff has found that TR NEDC-33006P is acceptable for referencing in licensing applications for GE-designed boiling water reactors to the extent specified and under the limitations delineated in the TR and in the enclosed final SE. The final SE defines the basis for our acceptance of the TR.

Our acceptance applies only to material provided in the subject TR. We do not intend to repeat our review of the acceptable material described in the TR. When the TR appears as a reference in license applications, our review will ensure that the material presented applies to the specific plant involved. License amendment requests that deviate from this TR will be subject to a plant-specific review in accordance with applicable review standards.

If you believe any information contained in the final SE and its enclosures and appendices is proprietary (pursuant to the criteria of 10 CFR 2.390), please identify such information with bold text in brackets. If after 10 working days, no proprietary material is identified, the final SE enclosed with this letter will be made publicly available.

In accordance with the guidance provided on the NRC website, we request that GHNE publish accepted proprietary and non-proprietary versions of this TR within three months of receipt of this letter. The accepted versions shall incorporate this letter and the enclosed final SE after the title page. Also, they must contain historical review information, including NRC requests for additional information and your responses. The accepted versions shall include an "-A" (designating accepted) following the TR identification symbol.

R. Brown

- 2 -

If future changes to the NRC's regulatory requirements affect the acceptability of this TR, GHNE and/or licensees referencing it will be expected to revise the TR appropriately, or justify its continued applicability for subsequent referencing.

Sincerely,

/RA by MCase for/

Ho K. Hieh, Deputy Director
Division of Policy and Rulemaking
Office of Nuclear Reactor Regulation

Project No. 710

Enclosure: Final SE

cc w/o encl: See next page

R. Brown

- 2 -

If future changes to the NRC's regulatory requirements affect the acceptability of this TR, GHNE and/or licensees referencing it will be expected to revise the TR appropriately, or justify its continued applicability for subsequent referencing.

Sincerely,
/RA by MCase for/

Ho K. Hieh, Deputy Director
Division of Policy and Rulemaking
Office of Nuclear Reactor Regulation

Project No. 710

Enclosure: Final SE

cc w/o encl: See next page

ADAMS ACCESSION NOS.: Package ML072550225

Cover letter ML072190207

Enclosure (Proprietary Final SE) ML072330599

Attachment to Encl. ML072330597

Appendix A ML072330601

Appendix B ML072330602

Appendix C ML072330603

***No major changes to SE input. NRR-043**

OFFICE	PSPB/PM	PSPB/LA	PSPB/BC	DPR/DD	
NAME	MHoncharik	DBaxley	SRosenberg	MCase for HNieh	
DATE	9/12/07	8/15/07	9/12/07	9/17/07	
OFFICE	EMCB/BC*	EEEB/BC*	AADB/BC*	AFPB/BC*	SRXB/BC*
NAME	KManoly	GWilson	MHart for MKotzalas	SWeerakkody	GCranston
DATE	8/2/07	8/6/07	8/1/07	8/3/07	7/23/07
OFFICE	SBPB/BC*	IHPB/BC*	CSGB/BC*	SCVB/BC*	IOLB/BC*
NAME	DHarrison for JSegala	RPedersen	PKlien for AHiser	RDennig	NSalgado
DATE	8/8/07	8/6/07	8/6/07	6/14/07	6/28/07
OFFICE	EICB/BC*	SBPB/BC*	CPNB/BC*	CVIB/BC*	APLA/BC*
NAME	AHowe	DSolorio	TChan	SCoffin	MRubin
DATE	4/20/07	12/19/03	6/25/04	2/18/04	4/27/07

OFFICIAL RECORD COPY

DISTRIBUTION FOR GENERAL ELECTRIC HITACHI NUCLEAR ENERGY AMERICA LLC
FINAL SAFETY EVALUATION OF NEDC-33006P

Date: September 17, 2007

PUBLIC (cover letter)

NON-PUBLIC (Enclosure, Attachment to Enclosure, and appendices)

PSPB Reading File

RidsNrrDpr

RidsNrrDprPspb

RidsNrrPMMHoncharik

RidsNrrLADBaxley

RidsOgcMailCenter

RidsAcrsAcnwMailCenter

Hukam Garg

RidsNrrDeEicb (Allen G. Howe)

Tony Nakanishi

Zena Abdullahi

David Cullison

RidsNrrDssSbpb (John Segala)

George Georgiev

RidsNrrDciCpn (Terence Chan)

John Honcharik

RidsNrrDciCvib (Matthew Mitchell)

Donald Harrison

RidsNrrDraApla (Mark Rubin)

RidsNrrDssSrb (Gregory Cranston)

RidsNrrDeEmcb

RidsNrrDeEeeb

RidsNrrDraAadb

RidsNrrDraAfpb

RidsNrrDirslolb

RidsNrrDirslhpb

RidsNrrDciCsgb

RidsNrrDssScvb

RidsNrrDssSbpb

Elaine Keegan

Richard Lobel

Garry Armstrong

Michelle Hart

SRosenberg (HardCopy of cover letter and executive summary only)

Michelle Honcharik (HardCopy on 3 hole-punched paper)

GHNE

Project No. 710

cc:

Mr. George B. Stramback
GE-Hitachi Nuclear Energy Americas LLC
1989 Little Orchard Street
M/C HME
San Jose, CA 95125-1030
george.stramback@ge.com

Rick Kingston
GE-Hitachi Nuclear Energy Americas LLC
Project Manager, Methods Licensing
3901 Castle Hayne Road
PO Box 780
Wilmington, NC 28401-0780
rick.kingston@ge.com

Mr. James F. Harrison
GE-Hitachi Nuclear Energy Americas LLC
Project Manager - Fuel Licensing
P.O. Box 780
M/C A45
Wilmington, NC 28401
james.harrison@ge.com

Ms. Patricia L. Campbell
Washington Regulatory Affairs Director
GE-Hitachi Nuclear Energy Americas LLC
1299 Pennsylvania Avenue, NW
9th Floor
Washington, DC 20004
patricia.campbell@ge.com

Mr. Andrew A. Lingenfelter
Manager, GNF Fuel Engineering
P.O. Box 780
M/C F12
Wilmington, NC 28401
andy.lingenfelter@gnf.com

08/08/07