

December 5, 2007

APPLICANT: GE-Hitachi Nuclear Energy Americas LLC

PROJECT: Economic Simplified Boiling Water Reactor (ESBWR) Design Certification

SUBJECT: SUMMARY OF OCTOBER 17, 2007, CLOSED MEETING WITH GE-HITACHI NUCLEAR ENERGY AMERICAS LLC REGARDING ESBWR GE14 FUEL ASSEMBLY DESIGN, ESBWR MARATHON CONTROL BLADE DESIGN

On October 17, 2007, a closed meeting was held between the U.S. Nuclear Regulatory Commission (NRC) and representatives of GE-Hitachi Nuclear Energy Americas LLC (GEH) (the applicant), at NRC Headquarters in Rockville, Maryland. The agenda of this meeting was limited to issues related to the GSTRM Part 21 evaluation.

Prior to the meeting, NRC staff reviewed the meeting topics and concluded that the information to be discussed is proprietary. The entire meeting was closed to the public. A list of meeting attendees is included as Enclosure 1. A summary of the meeting is included below. The length of time dedicated to the discussion related to the GSTRM Part 21 evaluation did not permit the scheduled discussion on cladding strain design requirements. This discussion will be scheduled at a later date.

GEH provided the NRC staff with a presentation on their assessment of overall conservatism in the GSTRM critical pressure calculation. This assessment identified both conservative and non-conservative aspects of the GSTRM methodology. During the presentation, NRC staff were provided the opportunity to openly discuss the assessment and provide feedback to GEH's technical staff. Action items included:

- 1) NRC staff will investigate the cladding creep model uncertainty based upon a review of the empirical database, and comparison of various creep models.
- 2) GEH will reassess the overall conservatism of the GSTRM methodology employing their PRIME cladding creep model, along with the model uncertainty from Step #1, and document this in a revision to the Part 21 evaluation.

Please direct any inquires concerning this meeting to Bruce Baval at 301-415-6715 or bmb2@nrc.gov.

/RA/

Bruce Baval, Project Manager
ESBWR/ABWR Projects Branch 1
Division of New Reactor Licensing
Office of New Reactors

Docket No. 052-010

Enclosure:

1. List of attendees

cc w/encl: See next page

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/RA/

Bruce Bavol, Project Manager
ESBWR/ABWR Projects Branch 1
Division of New Reactor Licensing
Office of New Reactors

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cc w/encl: See next page

ADAMS ACCESSION NUMBER: ML073090148

Template: NRC-001

OFFICE	PM:NGE1	PM:NGE1	BC:SNPB	BC:SRSB	PM:PSPB	BC:NEG1
NAME	BBavol	ACubbage	AMendiola	JDonoghue	MHoncharik	MShuaibi
DATE	11/05/2007	11/7/2007	11/13/2007	11/27/2007	12/4/2007	12/5/2007

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NUCLEAR ENERGY AMERICAS LLC REGARDING ESBWR GE14 FUEL
ASSEMBLY DESIGN, ESBWR MARATHON CONTROL BLADE DESIGN

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JGilmer

BBavol

GCranston

LIST OF ATTENDEES
MEETING BETWEEN THE NUCLEAR REGULATORY COMMISSION STAFF AND
GE-HITACHI NUCLEAR ENERGY AMERICAS LLC
OCTOBER 17, 2007

Last Name	First Name	Affiliation
BAVOL	BRUCE	NRC
BEYER	CARL	PNNL
CLIFFORD	PAUL	NRC
CRANSTON	GREG	NRC
GILMER	JIM	NRC
HARRISON	JIM	GEH
HARRIS	CHARLES	NRC
JAHINGIN	NAYEM	GNF
KINGSTON	RICK	GEH
MILES	BARRY	GNF
PATTERSON	CHARLES	GNF
RAND	BOB	GNF
SORENSEN	JOHN	GEH
VAN WERT	CHRIS	NRC

Enclosure 1