

June 1, 2006

ORGANIZATION: General Electric Company (GE)
PROJECT: Economic Simplified Boiling Water Reactor (ESBWR) Design Certification
SUBJECT: SUMMARY OF MEETING HELD ON APRIL 19, 2006, REGARDING ESBWR TECHNICAL SPECIFICATIONS

The Nuclear Regulatory Commission (NRC) hosted a public meeting with General Electric Com(GE) on April 19, 2006, at NRC Headquarters to discuss the economic simplified boiling water reactor (ESBWR) Chapter 6 and Chapter 15 accident analyses and their correlation to the ESBWR Technical Specifications (TS) as well as how the ESBWR TS meet the criteria for establishing TS limiting conditions for operation (LCOs) as specified in 10 CFR 50.36(c)(2)(ii). A list of attendees is provided in Enclosure 1, the agenda for the meeting is provided in Enclosure 2 and a summary of the meeting is provided in Enclosure 3.

GE provided handouts during the meeting which can be accessed through the Agencywide Documents Access and Management System (ADAMS). This system provides text and image files of NRC's publicly available documents. The handouts mentioned above may be accessed through the ADAMS system under Accession No. ML061160245. If you do not have access to ADAMS or if there are problems in accessing the handouts located in ADAMS, contact the NRC Public Document Room (PDR) Reference staff at 1-800-397-4209, 301-415-4737, or by e-mail to pdr@nrc.gov.

/RA/

Martha C. Barillas, Project Manager
ESBWR/ABWR Projects Branch
Division of New Reactor Licensing
Office of Nuclear Reactor Regulation

Docket No. 52-0010

Enclosures: As stated

cc w/encls: See next page

ORGANIZATION: General Electric Company (GE) June 1, 2006
PROJECT: Economic Simplified Boiling Water Reactor (ESBWR) Design Certification
SUBJECT: SUMMARY OF MEETING HELD ON APRIL 19, 2006, REGARDING ESBWR TECHNICAL SPECIFICATIONS

The Nuclear Regulatory Commission (NRC) hosted a public meeting with General Electric Com(GE) on April 19, 2006, at NRC Headquarters to discuss the economic simplified boiling water reactor (ESBWR) Chapter 6 and Chapter 15 accident analyses and their correlation to the ESBWR Technical Specificaitons (TS) as well as how the ESBWR TS meet the criteria for establishing TS limiting conditions for operation (LCOs) as specified in 10 CFR 50.36(c)(2)(ii). A list of attendees is provided in Enclosure 1, the agenda for the meeting is provided in Enclosure 2 and a summary of the meeting is provided in Enclosure 3.

GE provided handouts during the meeting which can be accessed through the Agencywide Documents Access and Management System (ADAMS). This system provides text and image files of NRC's publicly available documents. The handouts mentioned above may be accessed through the ADAMS system under Accession No. ML061160245. If you do not have access to ADAMS or if there are problems in accessing the handouts located in ADAMS, contact the NRC Public Document Room (PDR) Reference staff at 1-800-397-4209, 301-415-4737, or by e-mail to pdr@nrc.gov.

/RA/

Martha C. Barillas, Project Manager
ESBWR/ABWR Projects Branch
Division of New Reactor Licensing
Office of Nuclear Reactor Regulation

Docket No. 52-0010

Enclosures: As stated

cc w/encls: See next page

ADAMS ACCESSION NO. ML061510244

OFFICE	PM:NESB	(A)BC:NESB
NAME	MBarillas	ACubbage
DATE	06/01/06	06/01/06

OFFICIAL RECORD COPY

Distribution for April 19, 2006, Meeting Summary dated June 1, 2006

Hard Copy

NESB R/F
ACubbage
LRossbach
MBarillas

E-Mail:

PUBLIC
WBeckner
LDudes
OPA
MKowal
JDixon-Herrity, EDO
RJasinski
OGC
ACRS
TKobitz
CHaruck
RClark
PHearn
DRoth
CSchulten
TTjader
GThomas
LLois
RLandry
VKlein
JDanna
JHan

ATTENDEES FOR MEETING WITH GENERAL ELECTRIC (GE)
ESBWR TECHNICAL SPECIFICATIONS
APRIL 19, 2006

Name	Organization
Larry Rossbach	NRC/NRR/DNRL/NESB
Martha C. Barillas	NRC/NRR/DNRL/NESB
Dan Williamson	GE
George Wadkins	GE
Thecla Fabian	Fuel Cycle Weekly
Russell Wells	Parallax
Jerry Phillabaum	Enercon Services
Amy Cubbage	NRC/NRR/DNRL/NESB
Carl Schulten	NRC/NRR/DIRS/ITSB
Tim Kobetz	NRC/NRR/DIRS/ITSB
Veronica Klein	NRC/NRR/DSS/SNPB
Pete Hearn	NRC/NRR/DIRS/ITSB
Allen Notafrancesco	NRC/RES/SMB
Yee K Chung	GE Nuclear Energy
George Stramback	GE Nuclear Energy
David Hinds	GE Nuclear Energy
Wayne Marquino	GE Nuclear Energy
Stephen Pannier	NRC/NRR/ADRO/DIRS/IBB
David Roth	NRR/ADRO/DIRS/ITSB
Mike Jonzen	AREVA
Bob Tjader	NRC/NRR/DIRS/ITSB
Jim Gaslevic	NRC/NRR/DNRL/NESB
Lauren Quinones	NRC/NRR/DNRL/NESB
Ujagar Bhachu	NRC/NRR/DNRL/NESB
Robert Clark	NRC/NRR/DIRS/ITSB
Ravi Grover	NRC/NRR/DIRS/ITSB

Name	Organization
Joel Friday (via telephone)	GE Nuclear Energy
Sudhamay Basu	NRR/RES/DRASP/NRCA
Ralph Landry	NRC/NRR/DSS/SNPB
Peter Yarsky	NRC/NRR/DSS/SNPB
John Sorensen (via telephone)	GE Nuclear Energy
David Schowalter (via telephone)	Fluent Incorporated

Agenda for Public Meeting Regarding ESBWR Technical Specifications
April 19, 2006

8:30 a.m.	Introduction	NRC/GE
8:45 a.m.	Chapter 6 LOCA Analysis Sequence of Events and Credited Systems	GE
9:45 a.m.	Chapter 15 Anticipated Operational Occurrences and Infrequent Event Sequence of Events and Credited Systems	GE
11:45 a.m.	Lunch Break	
1:00 p.m.	Special Event Sequence of Events and Credited Systems	GE
2:00 p.m.	Application of Safety Analysis to Technical Specifications	GE
4:00 p.m.	Open discussion	NRC/GE
4:30 pm	Public comment	Public
4:45 p.m.	Adjourn	

**SUMMARY OF PUBLIC MEETING WITH GENERAL ELECTRIC (GE)
REGARDING ESBWR TECHNICAL SPECIFICATIONS
APRIL 19, 2006**

On March 20, 2006, General Electric (GE) submitted Revision 1 of the economic simplified boiling water reactor (ESBWR) design control document (DCD) Tier 2, Chapter 16 technical specifications (TS) portion of the design certification application. On March 23, 2006, a Category 1 public meeting was held at NRC headquarters with GE to discuss the development of TS. As a result of this public meeting, GE and the staff agreed to hold another meeting on April 19, 2006, to further discuss how the ESBWR TS meet the criteria for establishing TS limiting conditions for operation (LCOs) as specified in 10 CFR 50.36(c)(2)(ii), and the correlation of the TS to anticipated operational occurrences (AOOs), infrequent events, and design-basis accidents (DBAs) mitigating systems as described in Chapter 6 and Chapter 15 of the DCD. The following summarizes the April 19, 2006, Category 1 public meeting.

GE presented an overview of the Chapter 6 loss-of-coolant accident (LOCA) analysis. A summary of the safety and non-safety systems credited in the 72 hours ESBWR LOCA analysis was provided. The staff did not have any questions for follow up with respect to this part of the presentation.

GE proceeded to discuss the ESBWR Chapter 15 safety analyses. GE provided an overview of the classification of ESBWR abnormal events and determination of the safety analysis acceptance criteria. GE presented numerous figures that demonstrated the ESBWR plant's response to different scenarios modeled in the safety analyses and how each event continued to meet the acceptance criteria. The NRC staff requested GE provide additional information on the classification of events for the ESBWR design. Specifically, the staff requested that GE provide the procedure or process used to determine the accident scenarios that were analyzed. The NRC staff also requested that GE provide additional information explaining how the different accident scenarios address design specific events for the ESBWR and how each ESBWR specific event is enveloped by the accident analyses in the DCD. The NRC staff also requested that GE provide additional information on core performance in the event the selected control rod run-in (SCRRI) fails, how thermal limits and stability are affected, and whether power would be skewed as a result of a SCRRI failure.

GE provided an overview of how the TS for safety and non-safety systems are being addressed with respect to Chapter 6 and Chapter 15 events. There was discussion between GE and the NRC staff on how to address the different types of brackets in the ESBWR TS. The NRC staff and GE agreed to have future meetings to continue discussion of ESBWR TS development in order to address the staff's questions on the development of TS specific to the ESBWR design.

ESBWR

cc:

Mr. David H. Hinds, Manager
ESBWR
P.O. Box 780, M/C L60
Wilmington, NC 28402-0780

Mr. George B. Stramback
Manager, Regulatory Services
GE Nuclear Energy
1989 Little Orchard Street, M/C 747
San Jose, CA 95125

Mr. David Lochbaum, Nuclear Safety
Engineer
Union of Concerned Scientists
1707 H Street, NW., Suite 600
Washington, DC 20006-3919

Mr. Paul Gunter
Nuclear Information & Resource Service
1424 16th Street, NW, Suite 404
Washington, DC 20036

Mr. James Riccio
Greenpeace
702 H Street, Suite 300
Washington, DC 20001

Mr. Adrian Heymer
Nuclear Energy Institute
Suite 400
1776 I Street, NW
Washington, DC 20006-3708

Mr. Paul Leventhal
Nuclear Control Institute
1000 Connecticut Avenue, NW
Suite 410
Washington, DC 20036

Mr. Ron Simard
6170 Masters Club Drive
Suwanne, GA 30024

Mr. Brendan Hoffman
Research Associate on Nuclear Energy
and Environmental Program
215 Pennsylvania Avenue, SE
Washington, DC 20003

Ms. Patricia Campbell
Morgan, Lewis & Bockius, LLP
1111 Pennsylvania Avenue, NW
Washington, DC 20004

Mr. Glenn H. Archinoff
AECL Technologies
481 North Frederick Avenue
Suite 405
Gaithersburg, MD. 20877

Mr. Gary Wright, Director
Division of Nuclear Facility Safety
Illinois Emergency Management Agency
1035 Outer Park Drive
Springfield, IL 62704

Mr. Charles Brinkman
Westinghouse Electric Co.
Washington Operations
12300 Twinbrook Pkwy., Suite 330
Rockville, MD 20852

Mr. Ronald P. Vijuk
Manager of Passive Plant Engineering
AP1000 Project
Westinghouse Electric Company
P. O. Box 355
Pittsburgh, PA 15230-0355

Mr. Ed Wallace, General Manager
Projects
PBMR Pty LTD
PO Box 9396
Centurion 0046
Republic of South Africa

Mr. Russell Bell
Nuclear Energy Institute
Suite 400
1776 I Street, NW
Washington, DC 20006-3708

Mr. Jerald S. Holm
Framatome ANP, Inc.
3315 Old Forest Road
P.O. Box 10935
Lynchburg, VA 24506-0935

Ms. Kathryn Sutton, Esq.
Morgan, Lewis & Bockius, LLP
1111 Pennsylvania Avenue, NW
Washington, DC 20004

Mr. Robert E. Sweeney
IBEX ESI
4641 Montgomery Avenue
Suite 350
Bethesda, MD 20814

Mr. Eugene S. Grecheck
Vice President, Nuclear Support Services
Dominion Energy, Inc.
5000 Dominion Blvd.
Glen Allen, VA 23060

Mr. George A. Zinke
Manager, Project Management
Nuclear Business Development
Entergy Nuclear, M-ECH-683
1340 Echelon Parkway
Jackson, MS 39213

E-Mail:

tom.miller@hq.doe.gov or
tom.miller@nuclear.energy.gov
mwetterhahn@winston.com
whorin@winston.com
gcesare@enercon.com
jerald.holm@framatome-anp.com
eddie.grant@exeloncorp.com
joseph_hegner@dom.com
steven.hucik@ge.com
david.hinds@ge.com
chris.maslak@ge.com
james1beard@ge.com
louis.quintana@gene.ge.com
wayne.massie@ge.com
kathy.sedney@ge.com
george.stramback@gene.ge.com