

March 13, 2009

PARTICIPANTS: ESBWR Design Centered Working Group

SUBJECT: Summary of the February 11, 2009 Meeting to Discuss  
Combined License Application Issues

On February 11, 2009, the U.S. Nuclear Regulatory Commission (NRC) held a public meeting with representatives of the Economic Simplified Boiling Water Reactor (ESBWR) Design-Centered Working Group (DCWG) at NRC Headquarters, 11545 Rockville Pike, Rockville, Maryland. The purpose of the meeting was to discuss issues and activities associated with combined license (COL) applications. The meeting agenda is provided as Enclosure 1 and attendees are identified in Enclosure 2.

The meeting summary, meeting notice, and presentation materials distributed at the meeting are available through the Agency wide Documents Access and Management System (ADAMS) as a package at Accession Number ML090490219. ADAMS is the system that provides text and image files of NRC's public documents. Documents are available electronically at the NRC's Electronic Reading Room at <http://www.nrc.gov/reading-rm/adams.html>. If you do not have access to ADAMS or have problems accessing the documents located in ADAMS, contact the NRC Public Document Room (PDR) staff at 1-800-397-4209, 301-415-4737, or [pdr@nrc.gov](mailto:pdr@nrc.gov).

This public meeting was the latest in a series of meetings with the ESBWR DCWG to discuss COL-related topics of mutual interest to the staff and industry. The topics are summarized in the following paragraphs.

#### DCD Challenge Team list - technical and status discussion

At the October 23, 2008, ESBWR DCWG meeting, DCWG representatives lead a discussion regarding a management initiative to address design certification issues to develop effective strategies for: 1) managing and resolving issues that impact the ESBWR Design Certification due to differing positions between the NRC and GE-Hitachi Nuclear Energy (GEH)/ESBWR customers, 2) developing and using a standard process to evaluate issue challenges, and 3) developing action plans for each issue such that resolution is reached and associated Requests For Additional Information (RAIs) are closed. During the February 11, 2009, meeting a follow-up presentation was provided by DCWG representatives including a review of the "Certification Challenge List." NRC and DCWG representatives committed to working together to ensure the list is accurate and up to date. NRC staff also mentioned the relatively new "Escalation Process" for issues raised by industry. The presentation is available at ML090490230.

#### DCD Rev. 5 COL-H (Holder) RAIs, Impact on COLA

DCWG representatives lead a discussion and gave a presentation regarding a proposed approach for dispositioning COL Holder Items in ESBWR DCD Rev. 6. This was in response to a staff request for follow-up to previous discussion of COL Holder items at a previous ESBWR DCWG public meeting regarding Technical Specification Bracketed items. GEH said that they would provide, in advance of the submittal of DCD Rev. 6, DCD markup pages reflecting the

disposition of COL-H items previously associated with Technical Specification Bracketed items, which were the subject of RAIs relating to COLAs referencing the ESBWR DCD. Other examples mentioned in the presentation included procedural issues that will be addressed by the Procedure Development operational program. NRC staff requested GEH to check all instances of Procedure Development in the DCD, to ensure a consistent approach. NRC staff committed to reviewing the table of COL-H items included in the presentation and to provide feedback on GEH's proposed dispositioning. The presentation is available at ML090490247. The table of COL-H items is available at ML090490552.

#### Security COL items

DCWG representatives lead a discussion and gave a presentation to identify security items to be addressed by the COLAs, in particular existing COL items in DCD Rev 5, COL ITAAC, as well as expected new items from RAI responses. NRC staff provided status regarding an NEI template submitted to NRC regarding Security ITAAC. It is currently under review, and it is expected that if/when approved, staff will update the applicable SRP and develop regulatory guidance. The presentation is available at ML090490238.

#### DAC ITAAC milestones COL item–staff feedback

At the October 23, 2008, ESBWR DCWG meeting, DCWG representatives presented a discussion involving an approach for each COL Applicant to provide a DAC ITAAC closure schedule in the respective COLA and identify whether the standard approach will be used. The presentation included DAC closure schedules for Piping, I&C, Software, and HFE. NRC staff indicated that they would evaluate the proposals and provide the DCWG feedback. The October 23, 2008, presentation is available at ML083040465. During the February 11, 2009, meeting, staff presented feedback to this proposal. The presentation is available at ML090490562.

#### Staff Feedback on Technical Specifications RAI response

NRC staff presented an overview of the North Anna COLA Revision 1 submission related to Technical Specifications. In Revision 1, North Anna addressed all COL Action Items in a manner consistent with NRC staff guidance document COL/DC ISG-8. ISG-8 addressed the requirement for complete Technical Specification by the time of COL issuance. The staff may have questions on the technical data submitted by the applicant regarding the values submitted. These will be resolved through the RAI process.

#### Security Review Schedule

NRC staff and the DCWG engaged in a discussion regarding the Security review schedule. NRC staff provided an update regarding the Part 73 Rulemaking process and indicated that the Commission approved it in 12/08. It is currently with the OMB and awaiting publication. Staff mentioned that regulatory guidance is being revised to reflect the rule, and meetings are being held with NEI in preparation for imminent publication of the rule. Regulatory guidance should be issued shortly after the rule is published. This will involve revision to applicable infrastructure documents such as SRPs, ITAAC, etc. In addition, NEI Template 03-12 is being updated to reflect the new rule. In the meantime, design reviews are ongoing. In preparation for COLA reviews, staff is conducting readiness review meetings involving scheduling, assignments, etc.

A proposed action was for NSIR staff and applicants to coordinate advance reviews of proposed changes to applications.

#### North Anna Schedule

NRC staff presented status of the DCD review schedule, indicating that it will soon be published. An updated schedule for North Anna would follow shortly. The current schedule for North Anna was presented. The presentation is available at ML090490556.

#### Action Item Discussion

- The staff will provide feedback to GEH regarding the COL Holder Item list presented.
- GEH to provide DCD markups of proposed disposition of COL-H items, including those associated with Technical Specifications bracketed items, in advance of the DCD Rev. 6 submittal.
- GEH to check DCD for other places where Procedure Development COL Holder items may be mentioned, to ensure consistent approach with the example presented during DCWG meeting.

At this meeting, no comments were received from members of the public and no public meeting feedback forms were received. Please direct any inquiries to me at 301-415-2890, [Andrea.Johnson@NRC.gov](mailto:Andrea.Johnson@NRC.gov)

Sincerely,

*/RA/*

Andrea M. Johnson, Project Manager  
ESBWR/ABWR Projects Branch 1  
Division of New Reactor Licensing  
Office of New Reactors

Docket Nos.: 52-010, 52-017  
Project Nos.: 745, 757, 761

Enclosures:

1. Agenda
2. List of Attendees

cc w/encl: See next page

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ADAMS ACCESSION NO.: ML090490219-Package

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SUBJECT: SUMMARY OF THE FEBRUARY 11, 2009 MEETING TO DISCUSS  
COMBINED LICENSE APPLICATION ISSUES DATED MARCH 13, 2009

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NRay

Agenda for Public Meeting  
ESBWR Design-Centered Working Group (DCWG)  
Regarding COL Activities  
February 11, 2008

U.S. Nuclear Regulatory Commission  
(9 :00 a.m. – 1:00 p.m.)  
TWFN Conference Room Auditorium  
11545 Rockville Pike

Time	Topic	
9:00 a.m.	Introductory Remarks	NRC
9:10 a.m.	DCD Challenge Team list - technical and status discussion	DCWG
9:30 a.m.	DCD Rev. 5 COL-H (Holder) RAIs, Impact on COLA	DCWG
10:00 a.m.	Security COL items	DCWG
10:30 a.m.	DAC ITAAC milestones COL item - feedback	NRC
11:00 a.m.	Feedback on Technical Specifications RAI response	NRC
11:15 a.m.	Security review schedule	NRC
12:00 p.m.	North Anna RAIs/Schedule	NRC
12:30 p.m.	Action Item Discussion	NRC
12:45 p.m.	Opportunity for Public Comment	
1:00 p.m.	Adjourn	

Acronyms:

**DAC** = Design Acceptance Criteria, **GDC** = General Design Criteria, **ITAAC** = Inspections, Tests, Analysis, and Acceptance Criteria, **DCD** = Design Control Document, **COL** = Combined Operating License, **COLA** = Combined Operating License Application, **RAI** = Response for Additional Information



**ESBWR Design Centered Working Group**  
**February 11, 2009, 9:00 a.m. - 1:00 p.m.**  
**TWFN Auditorium**  
**Attendee List**

<b>Name</b>	<b>Organization/Title</b>	<b>Name</b>	<b>Organization/Title</b>
Peter Smith	Detroit Edison	David Misenhimer	NRC
Don Woodlan	Luminant	Jenny Weil	McGraw Hill
Robert Vetturi	NRC	Charles Hinson	NRC
Mike Jonzen	AREVA	Chandu Patel	NRC
Jennifer Dixon-Herrity	NRC	Doug Huyck	NRC
Edmund Kleeh	NRC	Albert Tardiff	NRC
Michael Eudy	NRC	Chang-Yang Li	NRC
Abdul Sheikh	NRC	David Misenhimer	NRC
Laura Dudes	NRC	Jenny Weil	McGraw Hill
Rich McIntyre	NRC	Charles Hinson	NRC
Patricia Campbell	GEH	Chandu Patel	NRC
Thomas Hicks	Dominion	Doug Huyck	NRC
Mark Loeffler	Bechtel	A. Tardiff	NRC
Michael Kennedy	NRC	Chang-Yang Li	NRC
Amy Cabbage	NRC	David Misenhimer	NRC
Mark Tonacci	NRC		
Nima Ashkeboussi	NRC		
Tim Durkin	Energteics Inc.		
Jin Chung	MNES		
Paul Pieringer	NRC		
Ron Goetz	NRC		
Frank X. Talbot	NRC		
Charles Bagnal	GE		
Hulbert L	NRC		
Kimberly Keithline	NEI		
Andrea Johnson	NRC		
Thomas Kevern	NRC		
Eric Oesterle	NRC		
Rick Kingston	GEH		
Stephen Burdick	Morgan Lewis		
Gina Borsh	Dominion		
Bruce Baval	NRC		
Pedro Salas	AREVA		
Geoffrey Quinn	Bechtel		
Janelle Jessie	NRC		
Leslie Perkins	NRC		
Jean Claude Dehmel	NRC		

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(Revised 03/04/2009)

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