

December 3, 2008

PARTICIPANTS: ESBWR Design Centered Working Group

SUBJECT: Summary of the October 23, 2008 Meeting to Discuss
Combined License Application Issues

On October 23, 2008, 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 ML083040463. 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.

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.

DCWG Management Initiative to Address Design Certification Issues:

DCWG representatives lead a discussion regarding management initiatives 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 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 RAIs are closed. The presentation is available at ML083040475.

Submittal of COLA Revisions:

DCWG representatives presented an outline of the expected scope of changes in upcoming COLA submissions, expected schedule of R-COLA and S-COLA submissions, and standardization letters for RAI responses. This presentation is available at ML083040473.

Emergency Action Levels:

NRC staff discussed a draft agency position regarding resolution of "incomplete" Emergency Action Levels (EALs). The challenge is determining an acceptable process for filling the

“bracketed holes” in current COLA EALs. NRC staff indicated that a formal agency position would be forthcoming in mid-November.

Grand Gulf Response to RAI 09.02.01

NRC staff and the DCWG engaged in a discussion about a draft response involving ITAAC for Plant Service Water System Cooling Towers and Basins. The DCWG provided presentations of PSWS Interface Requirements and Site-Specific ITAAC. NRC staff and the DCWG were not in agreement about depth of detail needed for the proposed approach and NRC staff needed to further evaluate the proposed draft responses and follow-up with the DCWG accordingly. These presentations are available at ML083040534 and ML083040519.

Status of RAI after Response Received from Applicant:

NRC staff presented a flow chart and explanation regarding the various states and processing of RAI responses from applicants. This presentation is available at ML083040540.

Proposed COLA Text for DCD COL item 14.3A-1

The DCWG presented a discussion involving each COL Applicant to provide a DAC ITAAC closure schedule in the respective COLA and to also 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. This presentation is available at ML083040465.

Pressure Temperature Limits Report:

NRC staff and the DCWG engaged in a discussion regarding staff review of “bounding limits” in COLAs or “PTLR” analysis/report provided by GEH. NRC staff indicated that they would not support review of both approaches and that the DCWG needed to decide on which approach to pursue. The DCWG indicated preference for the PTLR approach but expressed concern regarding North Anna and Grand Gulf COLA schedules. The issue will be pursued in future communications between staff and the DCWG.

Technical Specifications COL Holder Item Closure:

The DCWG presented an approach to resolving the staff request to have all Technical Specification items addressed prior to COL issuance. The staff had recently issued RAI 16-1 to North Anna identifying expectations regarding Technical Specification COL items. The staff responded favorably to the DCWG presentation. It was noted that this presentation was previously provided to NRC technical staff by teleconference on 10/09/08. This presentation is available at ML083040512.

GDC 17 and FSAR section 8.2

The DCWG presented a discussion regarding their proposed approach to satisfy NRC staff's requests for compliance with GDC-17. NRC had issued RAIs to GEH and COL applicants

requesting interface requirements and ITAAC to demonstrated capacity and capability of offsite power systems based on GDC 17 requirements. The DCWG presented their approach to review the ABWR ITAAC related to offsite power in RG 1.206 and determine applicability to ESBWR, develop ITAAC for onsite DCD scope portion of the AC distribution system, develop interface requirements for the offsite power system, and develop site-specific ITAAC for offsite power system to address the interface requirements. To address agency concerns, the DCWG proposed; three new DCD Tier 1 ITAAC, five DCD interface requirements, and five site-specific COLA ITAAC. NRC technical staff did not respond favorably to the approach. NRC staff indicated that they would need to further review the proposal and provide more concise and constructive feedback to the DCWG. These presentations are available at ML083040507 and ML083040528.

Action Item Discussion

- The staff will provide DCWG with feedback on the forthcoming agency position regarding EAL bracketing issue.
- The staff will provide DCWG with feedback on their proposed DAC closure schedule presentation.
- The staff will provide DCWG with feedback on their proposed approach to satisfying requirements related to GDC 17 for both DC and COL applications.
- The staff will further review the DCWG draft response involving ITAAC for Plant Service Water System Cooling Towers and Basins with respect to RAI 9.02.01.
- The staff and DCWG will continue communication regarding the “PTLR” approach.

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 301-415-3104, Michael.Eudy@NRC.gov

Sincerely,

/RA/

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

Docket Nos.: 52-010, 52-017, 52-024

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.: ML083040463-Package

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NAME	MEudy	TKevern	JCruz:
DATE	12/02/08	12/02/08	12/03/08

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SUBJECT: Summary of the October 23, 2008 meeting to discuss
Combined License Application issues Dated December 3, 2008

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AHowe

RJenkins

JMcKirgan

SLee

NRay

Agenda for Public Meeting
ESBWR Design-Centered Working Group (DCWG)
Regarding COL Activities
October 23, 2008
Two White Flint North (Auditorium)
11545 Rockville Pike
Rockville, MD 20852-3007

<u>Time</u>	<u>Topic</u>	
9:00 a.m.	Introductory Remarks	NRC
9:10 a.m.	DCWG Management Initiative to Address Design Certification Issues	DCWG
9:30 a.m.	Submittal of COLA Revisions – schedule and content	DCWG
10:00 a.m.	Emergency Action Levels – “bracket” closure issue	NRC
10:15 a.m.	Requests for Additional Information (RAIs) * Status – North Anna and Grand Gulf * Supplemental RAIs – content and schedule * Regulatory and technical issues	NRC/DCWG
11:45 a.m.	Lunch	All
1:00 p.m.	Design Acceptance Criteria Implementation Plans	NRC/DCWG
1:30 p.m.	COL Plant-Specific Technical Specifications	DCWG
2:00 p.m.	General Design Criteria – 17	DCWG
2:45 p.m.	Requests for Additional Information (RAIs) * Regulatory and technical issues (continued)	NRC/DCWG
3:30 p.m.	Opportunity for Public Comment	NRC
3:45 p.m.	Action Item Discussion	NRC
4:00 p.m.	Adjourn	

Enclosure 1

**Attendance List
ESBWR DCWG Meeting
October 23, 2008
U.S. Nuclear Regulatory Commission, Rockville, MD**

Name	Organization
Tom Kevern	NRC/NRO – RB Project Manager
Mike Eudy	NRL/NRO PM
Eric Oeserte	NRC/NRO/DNRL – PM
Janielle Jessie	NRC/NRO/DNRL – PM
Rick Kingston	GEH
Larry Drbzl	Tblzck Beateh
Thomas Hicks	Nustart
Stephen Burdick	Morgan Lewis
Norm Peterson	Detroit Edison
LaShawn Green	Detroit Edison
Dan Vatandoost	Enercon
Guy Cesare	Nustart
Gina Borsh	Dominion
Leslie Perkins	NRC/NRO/DNRL – PM
George Zinke	Entergy
Charles Bagnal	GE
Marh Timarce	NRO
Earl Libby	NRO/NRGA
Jerry Barford	Entergy
Amy Cabbage	NRO
Paul Gunter	Beyond Nuclear
Tom Miller	DOE
Tom Slavonse	Entergy
Don Johnson	NRC/NSIR
David Dister	Exelon
Chris Kew	Fixelon
Bob Jasinshi	NRO
Kevin Williams	NRC/NSIR – BCLIB
Allen Howe	NRO/DE/CIB2
Thomas Scarbrough	NRO/DE/CIB2
David Terao	NRO/DE/CIB1
Patricia Campbell	GE Hitachi
Joseph Ashcraft	NRO/DE/ICE2
Laura Dudes	NRO/DE
Jennifer Dixon-Herrity	NRO/DE/EMB2
Daniel Chalk	DOE
Deana Ralg	Sciotech
T.R. Tjader	NRO/DCIP/CTSB
Dan Chopre	NRO/DE/EEB
Amar Pal	NRO/DE/EEB
Ronaldo Jenkins	NRO/DE/EEB
Peter Kang	NRO/DE/EEB
Jim Tatum	NRO/DSRA/SBPA
Gordon Curran	NRO/DSRA/SBPB
John Segala	NRO/DSRA/SBPA

DCWG - ESBWR Mailing List

(Revised 11/12/2008)

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