

June 1, 2012

MEMORANDUM TO: John Segala, Chief
Licensing Branch 1
Division of New Reactor Licensing
Office of New Reactors

FROM: David H. Jaffe, Senior Project Manager */RA/*
Licensing Branch 1
Division of New Reactor Licensing
Office of New Reactors

SUBJECT: SUMMARY OF THE MAY 1, 2012, PUBLIC MEETING WITH
THE U.S. EPR DESIGN CENTER WORKING GROUP

On May 1, 2012, the U.S. Nuclear Regulatory Commission (NRC) held a public meeting with representatives of the U.S. EPR Design Center Working Group (DCWG). The purpose of this public meeting, held at the One White Flint North Building, 11555 Rockville Pike, Room O-4B6, Rockville, MD, was to discuss issues related to ongoing review of the U.S. EPR Design. The meeting agenda is provided as Enclosure 1 and the meeting attendance list is provided as Enclosure 2. Presentation material distributed at the meeting is available through the Agencywide Documents Access and Management System (ADAMS) Accession No. ML121240529. Documents in ADAMS are available electronically at the NRC 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.

The meeting was a Category 2 public meeting; however, no members of the public were in attendance. The meeting lasted from approximately 8:30 a.m. to 12:30 p.m. A summary of the subjects covered are provided in the following sections.

Review of Action Items from Previous Meetings

A list of DCWG-NRC Action Items identified from previous meetings was reviewed. These items were provided in Enclosure 3, "DCWG-NRC Action Items" to the Summary of the February 28, 2012, and DCWG public meeting (ADAMS Accession No. ML120820090).

NRC Review of Draft Response to RAI 469, "ITAAC Inspectability"

The NRC staff expressed its reluctance to provide additional review and comments concerning the August 2011 draft response to Request for Additional Information (RAI) 469 (issues related to the inspectability of inspection, test, analysis, and acceptance criteria (ITAAC)) since the staff's review of the January 2012 "snapshot" of the ITAAC indicated that the August 2011 draft was out-of-date.

The DCWG acknowledged that the ITAAC continue to evolve and also concluded that the changes need to respond to RAI 469 were being incorporated into the Interim Revision 4 of the U.S. EPR FSAR.

The NRC staff and the DCWG discussed various options for resolution of RAI 469. One option that was discussed was suspending the review until receipt of Revision 4 to the U.S. EPR final safety analyses report; the NRC staff requested a schedule for receipt of this revision. The DCWG expressed the difficulty of providing the schedule in that it involves consultation among the applicants. Another option discussed was for AREVA to provide an updated draft response to RAI 469.

No conclusion was reached on this topic.

Update on Fukushima “Lessons Learned”

The NRC staff indicated that a letter had been sent to AREVA advising the applicant that Fukushima-related questions would be issued through the usual RAI process; in contrast, the Levy and Lee projects had received their questions along with a letter. RAIs will also be sent in the near-future to the combined operating license (COL) applicants. RAIs concerning station blackout, Near-term Task Force (NTTF) Recommendation 4.2 was being delayed to improve clarity.

With regard to NTTF Recommendation 4.2, the NRC staff indicated that the staff’s position would allow limited use of alternate AC power. The staff’s position would most likely be presented to the Steering Committee and/or be part of the Station Blackout Rulemaking. The NRC staff and the DCWG agreed that there would be a conference call on NTTF Recommendation 4.2 with the DCWG for planning purposes. This Action Item was assigned to the NRC and the DCWG.

The DCWG inquired about the remaining NTTF Recommendations. The NRC staff responded that the Tier 2 and Tier 3 NTTF Recommendations would be sent to the Commission this summer; the NTTF Recommendations being implemented at this time are only those approved by the Commission.

The DCWG made a presentation concerning their Fukushima-related activities (see ADAMS Accession No. ML121240529.)

Tier 2* Process

The NRC staff indicated that they had reviewed the DCWG’s approach to selection of Tier 2* material that was presented in the October 2011 DCWG meeting. The staff cautioned the DCWG regarding their selection process for the Tier 2* “matters” which had used previously-assembled lists which appear in the Title 10 of the *Code of Federal Regulations* 10 CFR Part 52 Appendices for Certified Designs. Since the selection of Tier 2* material is design-specific, the best approach is to select the Tier 2* material from the Tier 2 FSAR and then assemble a proposed list of Tier 2* “matters.” Certain “Matters” are likely to appear in the all the Tier 2* list; fuel design is one such example. The DCWG indicated that they would start their process by proposing Tier 2* material from Chapter 4 of the FSAR.

Cask Loading Test Abstract

The staff presented a summary of testing program based on preliminary results of staff review for testing done prior to fuel load and prior to first use of cask loading facility. The staff presented the main items of concern for testing prior to fuel load as the loading process, leaktightness and structural aspects of design. Prior to use, the main items of concern would be the loading process and leaktightness. Division of Engineering will perform additional review upon receipt of RAI response and additional testing could result. Most structural aspects should not need repeating at first use and many could be handled in ITAAC or similar method.

AREVA presented wording for a license condition regarding testing which proposed to define testing using reference to FSAR Section 14.2.12.3.17 and Table 9.1.4-1 (see ADAMS Accession No. ML121240529.) It was thought that the proposed license condition needed fine tuning based on discussions during the meeting. The meeting attendees suggested that the NRC staff submit an RAI to the Reference Combined License application regarding the test program and the COL will provide details of test program.

Action Items/Look Ahead

The NRC staff and DCWG members reviewed a list of upcoming action items. New action items are identified in Enclosure 3, "DCWG – NRC Action Items," as Action Items 12-5-1 and 12-5-2. Enclosure 3 reflects the discussions held during this DCWG meeting. The meeting attendees agreed to schedule the next DCWG public meeting for July 10, 2012.

No members of the public were in attendance. Please direct any inquiries concerning this meeting to David H. Jaffe who can be contacted by Email at David.Jaffe@nrc.gov or telephone at 301-415-1439.

Docket No.: 52-020

Enclosures:

1. Meeting Agenda
2. Attendee List
3. DCWG – NRC Action Items

cc w/encl: See next page

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ADAMS Accession No.: ML121430630

NRC-002

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NAME	DJaffe	JMcLellan	GTesfaye
DATE	06/01/2012	05/30/2012	06/01/2012

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MEETING AGENDA FOR MAY 1, 2012

U.S. EPR DESIGN CENTER WORKING GROUP PUBLIC MEETING

PROJECT ISSUES

One White Flint North Building, 11555 Rockville Pike, Room O-4B6
Rockville, MD 20852

<u>TIME</u>	<u>TOPIC</u>	<u>LEAD</u>
8:30 a.m.	Introduction and Opening Remarks	NRC/DCWG*
9:00 a.m.	RAI 469 (Inspectability)	NRC
9:30 a.m.	Tier 2* Process	NRC
10:30 a.m.	Fukushima Activities Update	NRC/DCWG
11:00 a.m.	Cask Loading Test Abstract	NRC/DCWG
11:45 a.m.	Review of Action Items and Conclusions	NRC/DCWG
12:15 p.m.	Adjourn*	NRC

Note - All times listed are approximate.

* DCWG - Design Center Working Group (AREVA, UniStar, and PPL affiliates)

MEETING ATTENDANCE FOR May 1, 2012

U.S. EPR DESIGN CENTER WORKING GROUP PUBLIC MEETING

PROJECT ISSUES

	<u>Name</u>	<u>Company/Organization</u>	<u>Contact Info</u>
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MEETING ATTENDANCE FOR May 1, 2012

U.S. EPR DESIGN CENTER WORKING GROUP PUBLIC MEETING

PROJECT ISSUES (CONTINUED)

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31	Darrell Gardner ¹	AREVA	darrell.gardner@areva.com

¹ Attended via telecon

Revised Actions are marked with redline strikeout/green addition. New actions were added marked below as "New." Items completed are shown 'shaded out'. DCWG – NRC Action Items				
Number	Description	Action Taken	Responsible	Due Date
10-5-9a	Submit markups for COLA for the revision to toxic gas monitoring requirements (COL Item only – no exemption)	Committed to include in CC3 COLA Revision 8. Exemption Request approved by NRC for 3/30/12.	UniStar	Complete 3/30/12
10-5-9b	Submit markups for COLA for the revision to toxic gas monitoring requirements (COL Item only – no exemption)	Exemption Request approved by NRC for 3/30/12.	PPL	Complete 3/30/12
11-12-1	NRC to continue internal discussions on how EPR Tier 2* will be determined, report back to DCWG	No progress since last DCWG, will move report to next DCWG meeting A pilot process will be followed. See item 12-5-2	NRC	May 1, 2012 Closed 5/1/2012
11-2-1	Include discussion of how to determine EPR Tier 2* list in future DCWG meeting. NRC to schedule a Public Meeting June – pilot process to develop Tier 2*.	AREVA performed reviews, developing guidance on how to determine what is 2*. AREVA presented initial high level list at 10-4-2011 DCWG meeting. A pilot process will be followed. See item 12-5-2	NRC/DCWG	Closed 5/1/2012 June-2012

Revised Actions are marked with redline strikeout/green addition. New actions were added marked below as "New." Items completed are shown 'shaded out'. DCWG – NRC Action Items				
Number	Description	Action Taken	Responsible	Due Date
11-2-2	NRC to Schedule Public meeting before preparation and submittal of final ITAAC RAI response. New Action: NRC to schedule first phone call to discuss details.	NRC provided RAI 469 feedback on AREVA draft at 12/6/11 DCWG meeting. NRC provided status update at 2/28/12 DCWG. Selection of NRC Subgroup Team in progress, date will be factored into Phase 4 Plan. Closure of this item will be tracked by actions in the DCWG Schedule Meeting	NRC	Closed 5/1/2012 May 1, 2012 —update
<u>11-10-3</u>	<u>Identify status and owner of Phase 4 Chapter 17 RAI Getachew Tesfaye</u>	<u>NRC identified there is no Phase 4 Chapter 17 RAI</u>	<u>NRC - Getachew Tesfaye</u>	<u>Closed</u>
<u>12-2-1</u>	<u>NRC identified a number of current COL items with legal wording problems that will not allow closure as written (see U.S. EPR RAI 533) – a call needs to be scheduled to resolve after NRC refines the impacted list with the staff</u>	AREVA submitted RAI 533 response with corrected COL Item. <u>NRC to issue a followup RAI for other COL item concerns.</u>	<u>NRC/DCWG</u>	May 1, 2012 July 10, 2012
<u>12-2-2</u>	DCWG will remove the prototypical cask sentence from the Before Fuel Load License Condition.		<u>DCWG</u>	May 1, 2012 Complete
<u>12-2-3</u>	NRC and DCWG will review the updated Before Initial SFCTF Use License Condition again with a comparison to FSAR Section 14.2.12.3.17	NRC and DCWG provided results of review of FSAR Section 14.2.12.3.17.	<u>NRC/DCWG</u>	May 1, 2012 Complete

Revised Actions are marked with redline strikeout/green addition. New actions were added marked below as "New." Items completed are shown 'shaded out'. **DCWG – NRC Action Items**

<u>12-2-4</u>	NRC will issue an RAI on the "Before Fuel Loading" License Condition for the SFCTF to COLA applicants concerning this issue to provide a path for the proposed response submittal to NRC	Next action for NRC to issue RAI to COLA so the RAI response can be processed to close this issue	<u>NRC</u>	May 1, 2012 July 10, 2012
12-5-1	New: Action for NRC to have follow-up call with DCWG once the direction of Fukushima steering committee recommendation 4.2 is known.		NRC	6/1/2012
12-5-2	New: AREVA will determine schedule date for providing NRC Chapter 4 'Fuel' pilot Tier 2* FSAR mark-up.		AREVA	5/10/2012

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(Revised 01/26/2012)

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