

August 19, 2010

MEMORANDUM TO: Joseph Colaccino, Chief
EPR Projects Branch
Division of New Reactor Licensing
Office of New Reactors

FROM: Michael Canova, Project Manager /RA/
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SUBJECT: SUMMARY OF JUNE 24, 2010, PUBLIC MEETING WITH THE
U.S. EPR DESIGN CENTER WORKING GROUP

On June 24, 2010, the U.S. Nuclear Regulatory Commission (NRC) held a public meeting at the UniStar Office located on 11921 Rockville Pike, Rockville, Maryland 20852, with representatives of the U.S. EPR Design Center Working Group (DCWG). The purpose of the meeting was to discuss cross-cutting issues related to the U.S. EPR Design Center. The meeting agenda is provided as Enclosure 1 and the Attendees List as Enclosure 2.

This meeting summary is available through the Agencywide Documents Access and Management System (ADAMS) Accession Number ML102250186. The presentation materials distributed at the meeting are contained in ADAMS ML101800042, "U.S.EPR [inspections, tests, and analyses] ITAAC As-Built Technical Justification," (UniStar); ML101800041, "U.S. EPR ITAAC Tier 1/Tier 2 Information," (UniStar); ML101800040, "Table of NEI Generic New Plant Activities," 6-11-10; and ML101800039, "Table of NEI Generic New Plant Activities," 6-28-10. 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, during which members of the public were invited to provide comments at specific times identified in the agenda. The meeting lasted from 1 p.m. to 4:00 p.m. A summary of the subjects covered and respective findings is provided in the following sections.

Review of Action Items from Previous Meetings

The action items from the previous meeting (March 26, 2010) are summarized and discussed below:

- NRC will provide feedback to the DCWG on, "Supplement to U.S. EPR Final Safety Analysis Report to Add the Beyond Design Basis Large Commercial Aircraft Impact Assessment," and the Nuclear Energy Institute (NEI) template submittal. The NEI information, and to a certain extent the Aircraft Impact Assessment (AIA), was discussed during the 3 p.m. agenda item.

- The NRC and DCWG will have a follow-up phone call so the DCWG can provide additional input on the language of Interim Staff Guidance (ISG)-18. There will be clarification given on Final Safety Analysis Report (FSAR) request for additional information (RAI) 355, Question 17-04.23 related to an open item on Design-Reliability Assurance Program (D-RAP). Prior to this phone call, the DCWG will provide alternate wording on D-RAP ITAAC.
- NRC will review generic questions in the Bell Bend review and give feedback to the DCWG. A brief description of the ongoing “me-too” process for the SCOL was given. The process should resolve these issues going forward. Therefore, this issue is believed closed.
- NRC will continue to improve eRAI statusing in order to make the open items clearer. This work continues and will improve as more chapters reach completion in Phase 2. The staff is focused on trying to push this further ahead of the deliverables date. This issue is considered closed.
- DCWG will provide an update on the resolution of the definition of “as-built.”

U.S. EPR ITAAC - “As-Built” Technical Justification

A presentation was made by John Volkoff of UniStar (ML101800042) regarding:

- How the DCWG intends to implement the technical justification of “as-built” ITAAC performed in other than their final location
- Technical justification identification: For performance of “as-built” ITAAC in other than their final location U.S. EPR will identify the locations in the ITAAC schedule. And justify in the ITAAC closure package
- NEI 08-01 Technical justification guidance: A new paragraph has been added to NEI 08-01, Section 4.2, regarding as-built final installed locations of SSCs that are not covered by the generic technical justifications.

In discussions following the presentation, AREVA agreed to supplement their response to RAI 358, Question 14.03-15, in order to revise the definition of as-built in U.S.EPR FSAR Tier 1, Section 1.1 to comply with the NEI 08-01 guidance.

U.S. EPR ITAAC Tier1/Tier 2 information

A presentation was made by John Volkoff of UniStar (ML101800041) regarding:

- How the DCWG intends to utilize Tier 2/Combined License (COL) information and associated references to close Tier 1/COLA Part 10 ITAAC
- Tier 1 to Tier 2 ITAAC relation to Standard Review Plan (SRP), Section14.3
- Applicability of Tier 1/Tier 2 Relation concept to COLA (RG 1.206)
- ITAAC acceptability and quality issues raised in Public meetings
- Tier 1 to Tier 2 ITAAC detail relationship

Discussions with the staff subsequent to the presentation focused on the Tier 1 and Tier 2 relationship regarding ITAAC wording, as well as some of the issues that the staff has identified regarding the changes that AREVA had made to the ITAAC tables in their responses to RA 182. DCWG members stated that they had recently conducted a self assessment of the ITAAC. It was agreed that a telecon with the staff should be scheduled to discuss the results of this self assessment and any anticipated changes to the ITAAC. In addition it was agreed that a public meeting in the August time frame should be conducted in order for NRC to provide feedback on the AREVA RAI 182 response.

NEI Topical Reports Evaluation and Status

Michael Canova of NRC provided an updated handout of two tables of information related to tracking of activities related to Generic New Plant Activities. The first table (ML101800039) provided the current status of the NEI topical reports which has been annotated to identify their applicability to the COLs in this design center. As a result of discussion on the individual topical reports, two action items were identified for follow up at the next meeting and are identified in the action items portion of this summary. The second table (ML101800040), although labeled identically to the first, addressed generic activities with NEI or the industry which may have impact on the applicants but are not currently topical report submittals. This table was supplied to ensure that the DCWG members were aware and engaged on these activities. DCWG members were requested to look over this table and advise us if any of these items also would impact their current application submittals.

Summary of DCWG discussion on exemption issue: Toxic gas and isolation (New item):

NRC staff explained that U.S. EPR FSAR Tier 1, Section 2.6.1 requires toxic gas detection and isolation, and that this forces the COL applicants who will not be using toxic gas detection and isolation to request an exemption from the design certification. This exemption request affects the evaluation of U.S. EPR, Section 9.3.4, U.S. EPR, Section 6.4, and other sections from U.S. EPR Chapters 2 and 3. The NRC staff explained that the Calvert application contains an exemption for toxic gas isolation and detection in Part 7 of the application. NRC staff noted that the Bell Bend application states in Section 6.4 that toxic gas detection and isolation is not needed, but the exemption for toxic gas detection and isolation is missing from Part 7 of the application. PPL Bell Bend representatives mentioned that the exemption was contained in the latest submission to NRC, and NRC staff took action to confirm that the exemption was present in the current version of the application.

The NRC staff noted that if the U.S. EPR FSAR is modified to remove this requirement, it would negate the need for an exemption request. Although the exemption request can be evaluated, NRC staff may not be able to approve such an exemption until the design certification rule is written. NRC staff suggested AREVA consider removing the requirement in the design certification application.

AREVA representatives stated that they were asked to include this in the design certification by NRC staff, and that they would like to hold more detailed discussions at the next DCWG meeting. NRC staff took an action to prepare a presentation and put this issue on the agenda for the next DCWG meeting.

Action Items/Closing Remarks

The NRC staff and DCWG members went through the list of action items to make sure all had been addressed. New action items for the next DCWG meeting include the following:

- NRC will provide feedback to the DCWG on the potential scheduler impact from NEI Template 03-12, Revisions 6 and 7, as well as the extended review schedule associated with NEI 07-13, Revision 7.
- AREVA will provide a supplement to RAI 358 to revise the “as-built” definition.
- DCWG will schedule a conference call with the NRC to discuss the results of their ITAAC self assessment.
- NRC to schedule a public meeting to discuss ITAAC as-built assessment and Tier 1/Tier 2 relationship with examples and results of AREVA RAI 182 response.
- DCWG to review handout of NRC generic attributes.
- NRC to place toxic gas monitoring issue on next agenda and provide presentation.

Members of the public were in attendance. The attendance list is provided and no public feedback forms were received. Please direct any inquiries concerning this meeting to Michael.Canova@nrc.gov.

Enclosures:

1. Meeting Agenda
2. Attendees List

cc w/ encls: See next page

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