

May 13, 2013

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

FROM: Sikhindra K. Mitra, Project Manager */RA/*
Licensing Branch 1
Division of New Reactor Licensing

SUBJECT: SUMMARY OF MARCH 5, 2013, MEETING WITH
THE U.S. EPR DESIGN CENTER WORKING GROUP

On March 5, 2013, a Category 2 public meeting was held between the U.S. Nuclear Regulatory Commission (NRC) and representatives U.S. EPR Design Center Working Group (DCWG) at NRC Headquarters, 6003 Executive Boulevard, Rockville, MD. The purpose of the meeting was to discuss issues of common interest as they relate to the staff's review of the U.S. EPR Design Certification (DC) application, and the Combined License Applications (COLA) for the Calvert Cliffs Nuclear Power Plant, Unit 3 (CCNPP3) and the Bell Bend Nuclear Power Plant (BBNPP). The agenda was included as part of the meeting notice (Agency wide Documents Access and Management System (ADAMS) Accession No. ML13051A684). A list of attendees is provided as Enclosure 1.

After introductions, the attendees reviewed the action items list (presented in Enclosure 2) via overhead projection. The status of those items is as shown in the enclosure. The remainder of the agenda was addressed in the following order:

DCWG Agenda Item: DC Inspections, Tests, Analyses, and Acceptance Criteria (ITAAC)

The NRC staff (Chris Welch) provided feedback on his review of DC final safety analysis report (FSAR) Revision 4 ITAAC, which is improved, but there are some issues that will be conveyed to AREVA in a public meeting.

DCWG Agenda Item: DC FSAR Revision 4 Tier 2* Update

The NRC staff completed its review of Tier 2* Items. There will be requests for additional information (RAIs) generated on the Tier 2* which consist of both editorial and technical issues.

DCWG Agenda Item: UniStar Electronic Reading Room

UniStar stated that its electronic reading room is operational and the NRC staff are successfully accessing the documents. UniStar requested that all NRC staff should coordinate with Mr. Surinder Arora, NRC, Project Manager, for loading documents to Calvert Cliffs.

DCWG Agenda Item: Status of Fukushima Issues

The DCWG presented an update of the Fukushima Response Status (ADAMS Accession No. ML13007A066). The NRC staff appreciated the issue review.

New Action Items:

1. The NRC staff requested a public meeting to discuss AREVA testing for mechanical equipment, valves, pumps, etc. as well as venting strategy. The DCWG requested that the NRC staff provide acceptance criteria for this testing.
2. The NRC staff requested that AREVA clarify any interface requirements resulting from Fukushima Containment Analysis using GOTHIC. The NRC staff also requested that AREVA make the GOTHIC analysis available in the electronic reading room.
3. UniStar and PPL requested that the NRC staff provide site-specific RAI to COLA response to Fukushima Recommendation 4.2, similar to the one recently issued to the South Texas Project, to address additional information required to supplement a proposed license condition for responding to Near Term Task Force (NTTF) 4.2.
4. The DCWG proposed public meeting to discuss Core Cooling in all the Modes and reasonable protection.
5. The NRC staff noted that DCWG Action Item (12-5-1) concerning Fukushima Steering Committee on Recommendation 4.2 recommended actions will be provided to AREVA either by a senior management briefing or an alternative means.

The next DCWG meeting proposed date is April 16, 2013.

This concluded the public portion of the meeting. No members of the public were in attendance either in-person or via telephone conference line.

J. Segala

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Please direct any inquiries concerning this meeting to either Sikhindra K. Mitra, who can be contacted by email at sikhindra.mitra@nrc.gov or by telephone at 301-415-2783 or Michael Canova who can be contacted by email at michael.canova@nrc.gov or telephone at 301-415-0737.

Docket Nos.: 50-016, 52-020, and 52-039

Enclosures: 1. List of Attendees
 2. Action Item List

cc: See next page

J. Segala

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NRC-001

OFFICE	DNRL/LB1:PM	DNRL/LB1:LA	DNRL/LB1:PM
NAME	SMitra	JMcLellan	MCanova
DATE	04/29/2013	05/08/2013	05/13/2013

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MARCH 5, 2013, MEETING WITH THE
U.S. EPR DESIGN CENTER WORKING GROUP
Attendance List

	<u>Name</u>	<u>Affiliation</u>
1	Rocky Sgarro	PPL Bell Bend LLC
2	Mike Caverly	PPL Bell Bend LLC
3	Dale Roth	PPL Bell Bend LLC
4	Greg Gibson	UniStar Nuclear
5	Wayne Massie	UniStar Nuclear
6	Brian Vance	UniStar Nuclear
7	Mark Finley	UniStar Nuclear
8	Sebastien Thomas	UniStar Nuclear
9	Mark Hunter	UniStar Nuclear
10	Paul Infanger	UniStar Nuclear
11	John Tynan	UniStar Nuclear
12	Tony Robinson	AREVA NP
13	Joseph Delrue	AREVA NP
14	Chris Molseed	AREVA NP
15	Jacoben Tone	AREVA NP
16	Brian Vance	AREVA NP
17	Len Gucwa	AREVA NP
18	Tim Stack	AREVA NP
19	Dennis Williford	AREVA NP
20	Russ Wells	AREVA NP
21	Martin Owens	AREVA NP
22	Mike Canova	NRC/NRO/DNRL
23	Surinder Arora	NRC/NRO/DNRL
24	Amy Snyder	NRC/NRO/DNRL
25	John Segala	NRC/NRO/DNRL
26	Sikhindra (S.K.) Mitra	NRC/NRO/DNRL
27	Tanya Ford	NRC/NRO/DNRL

28	Perry Buckberg	NRC/NRO/DNRL
29	Michael Miernicki	NRC/NRO/DNRL
30	Anne Marie Grady	NRC/NRO/DSRA/SCVB
31	Eileen McKenna	NRC/NRO/DSRA/BPTS
32	Shanlai LU	NRC/NRO/DSRA
33	Peter Kang	NRR/DE/EEEB
34	Chris Welch	NRO/DCIP/CITB
35	Raul Hernandez	NRO/DSRA/BPFP
36	Angelo Stubbs	NRO/DSRA/BPFP
37	Robert Vettori	NRO/DSRA/BPFP
38	Samuel Lee	NRO/DSRA/BPFP
39	Sai-Jeng Peng	NRO/DSRA/SCVB
40	John McKirgan	NRO/DSRA/SCVB
41	Rocky Foster	NRO/DNRL/LB3

Review of Actions – Joint DCWG/NRC Public Meeting, March 5, 2013

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
12-2-1	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	AREVA submitted RAI 533 response with corrected COL Item. <u>NRC to issue a follow-up RAI for other COL item concerns.</u>	NRC issued RAI 547	Complete
12-2-4	NRC will issue an RAI on the Before Fuel Load 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 (RAI CC3 347, BB 118) – no longer needed will be included in next COLA revisions	NRC	Complete
12-5-1	Action for NRC to have follow-up call with DCWG once the direction of Fukushima steering committee recommendation 4.2 is known.	NRC is assembling recommended actions. Once compiled, will share with AREVA by briefing or other means.	NRC	TBD Need date: 4/1/2013
12-5-2	AREVA will determine schedule date for providing NRC Chapter 4 ‘Fuel’ pilot Tier 2* FSAR mark-up.		AREVA	Complete 6/01/2012
12-9-1	COL Applicants will include revised response to COL Item on Spent Fuel cask Transfer facility in next COLA revisions		UniStar/PPL	3/31/2013- CC3 4/15/2013- BB
12-11-2	New: NRC will issue a follow-up RAI to DC RAI 410, requesting more specificity in the proposed ITAAC on CIV placement.	NRC follow-up RAI issued 12/11/12	NRC	12/2012 Closed

DCWG – NRC Action Items				
Number	Description	Action Taken	Responsible	Due Date
12-11-3	New: NRC will accelerate the compiling of reviewer comments on DC RAI 547 for forwarding to AREVA	Activity ongoing. NRC to have comments compiled by 1/18/13	NRC	12/2012 Closed
12-11-4	New: Follow-up meeting to review impact on the SARs (DC and COLAs) of the Fukushima resolution items and COL License Conditions	Issue discussed at 1/15/13 DCWG	AREVA/UNE / PPL	January-2013 Closed
12-11-5	New: Submit presentation slides for the AREVA November 8, 2012 Go-To-Meeting. NRC to schedule a follow-up public meeting	NRC compiling Go-To comments, will transmit conclusion to AREVA	AREVA/NRC	January-2013 Closed
12-11-6	New: Address post cutoff COL Item incorporation	Issue discussed at 1/15/13 DCWG	UNE	January-2013 Closed
12-11-7	New: Fukushima 7.1 – DCWG and NRC will review requirement for COLA response to indicate issue resolution progress		NRC	January-2013 Closed
12-11-8	Fukushima 8 – NRC will review timing and content of RAI addressing NTTF 8	NRC to issue proposed rule 1Q14, final rule 4Q15. Given schedule, NRC considering how US EPR Design Center to address NTTF 8.	NRC	January-2013 Need date: 4/1/2013 for COLAs.
12-11-9	Fukushima 4.1 – NRC considering modifying 10CFR50.63, Station Blackout (SBO) Mitigation Capability	NRC deliberation continuing	NRC	January-2013 Need date: 4/1/2013 for COLAs.
12-11-10	Fukushima 4.2 – NRC is receptive to using License Conditions for 4.2, but will clarify upcoming RAI to request more specificity on how license conditions would be implemented	Have final RAI for CC3 and BB. Awaiting RAI for BB	NRC	12/2012 Closed

DCWG – NRC Action Items				
Number	Description	Action Taken	Responsible	Due Date
12-11-11	Flex Capability – AREVA to reconsider its position that US EPR addresses ASCE 07-05 vs ASCE 07-10	AREVA to address ASCE 07-10 for new Flex mitigation equipment	AREVA	January-2013 Closed
13-01-1	AREVA Reading Room Accessibility - NRC will confirm access of their subcontractors.		NRC	Closed
13-01-2	ITAAC Review Issues - NRC took an action to schedule a public meeting to provide feedback on ITAAC inspectability and technical acceptability.	NRC reviewer compiling comments.	NRC	Need by 3/29/2013 (Potential Public Meeting)
13-01-3	Fukushima 4.2 – NRC took an action to internally discuss the acceptability of a proposed license condition for NTTF 4.2.	NRC requested to issue site-specific RAIs to CCNPP Unit 3 and BB.	NRC	Need date: 4/1/2013
13-01-4	DC Load Shedding – Battery Life - AREVA took an action to propose the applicable testing requirements to demonstrate the 6.5 hour battery capability.	NRC action to convey what is required for Fukushima testing (acceptance criteria)	AREVA/NRC	AREVA Closed NRC 4/16/2013
13-01-5	Fukushima Technical Report - AREVA took an action to propose whether additional public meetings would be necessary before submittal of the Fukushima technical report.		AREVA	Closed with NRC Interactions presentation 3/5
13-01-6	Review of Fukushima Technical Report - NRC will determine the need for an audit following submittal and review of the AREVA technical report in April 2013.		NRC	Need for Audit decision by 5/31/13.
13-03-1	DC Tier 2* Review	NRC will issue new RAIs to AREVA capturing reviewer Tier 2* comments	NRC	March 29, 2013

DCWG – NRC Action Items				
Number	Description	Action Taken	Responsible	Due Date
13-03-2	Testing Program	NRC requested additional public meeting to discuss AREVA testing for other disciplines, i.e., mechanical equipment, valves, pumps, etc.	AREVA	April 16, 2013
13-03-3	Venting Strategy	NRC requested additional public meeting to discuss AREVA venting strategy	AREVA	April 16, 2013
13-03-4	GOTHIC Interface Requirements	NRC requested that AREVA clarify any interface requirements from this analysis (COL Items or actual interface reqts).	AREVA	April 16, 2013
13-03-5	GOTHIC Analysis ERR Posting	NRC requested that the GOTHIC analysis be made available on the AREVA electronic reading room.	AREVA	April 16, 2013
13-03-6	NRC issue new 4.2 RAIs	NRC agreed to process new site-specific RAIs for CCNPP3 and BB for NTTF 4.2.	NRC	April 1, 2013

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