

June 6, 2014

MEMORANDUM TO: Lynn Mrowca, Chief
Probabilistic Risk Assessment and Severe Accidents Branch
Division of Safety Systems and Risk Assessment
Office of New Reactors

FROM: Courtney St. Peters, Reliability and Risk Analyst **/RA/**
Probabilistic Risk Assessment and Severe Accidents Branch
Division of Safety Systems and Risk Assessment
Office of New Reactors

SUBJECT: SUMMARY OF PUBLIC MEETING TO DISCUSS 10 CFR 50.71(h)(1)
REQUIREMENTS AND PROPOSED DRAFT ALWR STANDARD
APPLICABILITY, HELD ON APRIL 16, 2014

On April 16, 2014, the U.S. Nuclear Regulatory Commission (NRC) staff held a public meeting to discuss 10 CFR 50.71 (h)(1) requirements and the proposed draft advanced light-water reactor (ALWR) standard applicability. The meeting agenda is provided as Enclosure 1. A list of attendees is provided as Enclosure 2. Handouts presented by staff and Southern Nuclear are available in the NRC Agencywide Document Access and Management System (ADAMS) (ADAMS Accession No. ML14105A281 and ML14100A055, respectively).

A public meeting notice was issued on April 1, 2014, and was posted on the NRC's external (public) web page (ADAMS Accession No. ML14091B121). The notice included the meeting agenda. The discussions included 50.71(h)(1) requirements and proposed draft ALWR standard applicability, timing of new standards and NRC endorsement(s), definition of "as built" as it relates to "freezing point" for state of design, definition of "as built" as it relates to use in the probabilistic risk assessment (PRA) walkdown license conditions, and draft ALWA standard / interim staff guidance (ISG).

The NRC staff began the meeting by providing an overview of the agenda. The staff then discussed 50.71(h)(1) requirements and proposed draft ALWR standard applicability which included a graph that illustrated the variation in applying PRA standard supporting requirements among applicants. The staff next presented the tentative issuance schedule of PRA standards and NRC endorsement. The proposed NRC endorsement schedule was shown along with a graph illustrating the milestones and schedule for NRC endorsement. A discussion was held with members of the public on the potential NRC endorsement of a trial use standard. Staff mentioned that the NRC staff has endorsed trial use standards in the past but not yet for PRA standards. Industry indicated they would like to have a follow up meeting on this topic due to concerns about the potential endorsement of a trial use standard and how the standard could change during piloting of the standard.

Enclosures: As stated

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Southern Nuclear then presented a definition of “as built” as it relates to the freezing point for the state of design. They discussed the definition of as-built as defined in ASME/ANS RA-Sa-2009 and the plan to meet the initial fuel load requirements.

A flow chart was presented that showed the process for updating the PRA along with the design freeze date of June 2010. There was a brief discussion about gap analysis with the suggestion of a site-specific meeting to discuss this topic in more detail.

The NRC staff discussed walkdown license conditions and the license conditions necessary before initial fuel load. The staff discussed the expectation that significant problems will be addressed by the site corrective action program and minor problems under configuration management programs.

The last topic discussed was the draft ALWR standard / interim staff guidance (ISG). The staff overviewed the purpose and scope of this draft document. The terminology “peer review” was briefly discussed. The staff then went through examples of the PRA standard supporting requirements (SRs) evaluation grouped by technical challenges. A member of the public asked about the applicability and metrics for a multi-module site with the staff responding there is currently a working group ongoing to discuss that topic. The question of the ISG listing all SRs for design certification (DC), combined operating license (COL), and fuel load was raised. The NRC staff responded that they have gone through the SRs for DC and COL but fuel load will use the PRA standard.

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DATE:	06/06/2014

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**TENTATIVE AGENDA FOR PUBLIC MEETING TO DISCUSS 10 CFR 50.71(h)(1)
REQUIREMENTS AND PROPOSED ALWR STANDARD APPLICABILITY**

**APRIL 16, 2014
9:00A.M.-12:00P.M.**

TIME	TOPIC	LEAD
9:00am-9:10am	Opening Remarks & Introductions	NRC
9:10am-9:30am	50.71(h)(1) Requirements and Proposed ALWR Standard Applicability	NRC
9:30am-9:45am	Timing of New Standards and NRC Endorsement(s)	NRC
9:45am-10:15am	Definition of "As Built" as It Relates to "freezing point" for State of Design	Southern
10:15am-10:30am	Definition of "As Built" as It Relates to Use in the PRA Walkdown License Conditions	NRC
10:30am-10:45am	Break	All
10:45am-11:55am	Draft ALWR Standard / ISG	NRC
11:55am-12:00pm	Public Comments / Conclusion	Public / NRC
12:00pm	Adjourn	All

LIST OF ATTENDEES
PUBLIC MEETING TO DISCUSS 10 CFR 50.71(H)(1) REQUIREMENTS AND PROPOSED
ALWR STANDARD APPLICABILITY

APRIL 16, 2014, 9:00A.M.-12:00P.M.

Name	Organization
Courtney St. Peters	NRC
Lynn Mrowca	NRC
Mike Macfarlane	Southern Nuclear
Sarah Saverse	Southern Nuclear
Kentrell Hargrove	SCE&G
Dave Teolis	Westinghouse
Jana Bergman	Sciencetech / Curtiss-Wright
Gerald A. Loignon Jr.	SCE&G
Tom Woody	Southern Nuclear
Mike Tschiltz	NEI
Barry Sloane	Erin Engineering
Victoria Anderson	NEI
Amy Aughtman	SNC
Tun Ho Kim	KHNP
Patrick O'Regan	EPRI
Harry Chang	KHNP
Wesley Sparkman	SNC
Bob Kitchen	Duke
Charles Ader	NRC
Malcolm Patterson	NRC
John A. Nakoski	NRC
Donnie Harrison	NRC
Suzanne Schroer	NRC
April Rice	SCE&G
Melissa Lucci	Westinghouse
Megan Wright	NRC
Scott Beck	NuScale
Bill Galyean	NuScale
Sarah Bristol	NuScale
Jim Curry	NuScale
Jim Chapman	Sciencetech / Curtiss-Wright
Jonathan Li	GE Hitachi
Will Rodgers	Lockheed Martin
Young G. Jo	SNC
David Robillard	PSEG
Steve Mirsky	NuScale