

June 9, 2010

MEMORANDUM TO: Edward Roach, Chief  
Health Physics Branch  
Division of Construction Inspection  
& Operational Programs  
Office of New Reactors

FROM: Edward Stutzcage, Physical Scientist /RA/  
Health Physics Branch  
Division of Construction Inspection  
& Operational Programs  
Office of New Reactors

SUBJECT: SUMMARY OF MAY 26, 2010, CATEGORY 2 PUBLIC MEETING WITH  
THE NUCLEAR ENERGY INSTITUTE TO DISCUSS HEALTH PHYSICS  
ISSUES FOR NEW REACTORS

On May 26, 2010, the Nuclear Regulatory Commission (NRC) staff held a teleconference meeting with members of the Nuclear Energy Institute (NEI) to discuss new reactor health physics issues. Enclosure 1 lists the meeting attendees.

A public meeting notice was issued on May 3, 2010, and was posted on the NRC's external (public) web page (Agencywide Document Access Management System (ADAMS) Accession No. ML101190605). The notice included the meeting agenda, which was also available as a handout at the meeting. The discussions included:

- General COLA/DCD Application Status and Lessons Learned
- Comments on DC/COL-ISG-013 and DC/COL-ISG-014
- Discussion of the Buried Piping Integrity Initiative
- Radiological Aspects of Construction and Pre-Operation
- Regulatory Updates and Perspectives
- Miscellaneous Topics of Interest

NRC provided status updates of COLA and DCD applications and lessons learned from the review process. Information provided included the Vogtle, VC Summer, South Texas, and Calvert Cliffs COLAs, as well as progress of the AP-1000, ESBWR, USAPWR and EPR design applications.

Discussion of comments previously submitted by NEI on Interim Staff Guidance (ISG) DC/COL-ISG-013 "Interim Staff Guidance on NUREG-0800 Standard Review Plan Section 11.2 and Branch Technical Position 11-6 Assessing the Consequences of an Accidental Release of Radioactive Materials from Liquid Waste Tanks for Combined License Applications Submitted under 10 CFR Part 52" and Interim Staff Guidance (ISG) DC/COL-ISG-014 "Interim Staff Guidance On Standard Review Plan Sections 2.4.12 and 2.4.13 Assessing Ground Water Flow and Transport of Accidental Radionuclide Releases" was limited due to unavailability of several key NEI representatives. NRC staff asked a few questions to clarify several of the comments submitted by NEI. NRC staff emphasized that the purpose of the ISGs are to provide applicants guidance on issues that are not entirely clear in the Standard Review Plan (SRP). NRC staff also explained that after the ISGs are finalized, the ISG guidance will be incorporated into the next SRP update. NRC also stated that the ISGs should help expedite the licensing process for applicants because of the added clarity they will provide.

The discussion of the buried piping integrity initiative was deferred to the next meeting because the NEI hydrology expert was unable to attend the meeting.

NEI provided a draft of the revised "Radiation Protection Construction and Pre-Operational Topics" table showing how NEI reduced the original 18 topics to the current four. The revised table can be found in ADAMS at accession number ML101471018. NRC staff provided general comments on the first two problem statements NEI provided in the last meeting (ML101060449). One of the comments by NRC staff was that the title of the second problem statement, "Use of Radioactive Sources Not Licensed Under the COL", should be changed to "Use of Radioactive Sources", because the original topic on the use of sources by COL holders was grouped with this topic. NRC staff stated that there is general agreement with the first two problem statements. NEI said that they plan to provide a draft of the third problem statement, "Excavation of Soil and Sediments and Pumping of Surface and Groundwater", for NRC review at the next meeting.

NRC staff announced that the agency has established an inter-office working group to focus on both onsite and offsite low level waste storage. NRC also announced that a final report concerning the groundwater task force is likely to be finished within the next few weeks. NRC staff announced that there would be a public meeting with NEI on June 10, 2010, on a study done by EPRI on Carbon 14 and other radiological effluents released from operating nuclear power plants. NRC also referenced a document that listed all historical leaks and spills at nuclear power plant. This document can be found in ADAMS at accession number ML101270439.

NEI announced several upcoming events in June, including an EPRI radiation waste meeting the week of June 21, 2010, a RETS/REMP workshop for June 27-30, 2010, and a groundwater protection workshop the week of June 28, 2010. NEI also announced that their annual HP forum would be held July 25-28, 2010.

The next meeting is scheduled for June 30, 2010, at the White Flint Complex.

Enclosure:  
List of Attendees  
cc w/encl: See next page

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ADAMS Package Accession Number: ML101540161  
Meeting Summary Accession Number: ML101540188  
Meeting Handout Accession Number: ML101471018  
Meeting Notice Accession Number: ML 101190605

OFFICE	NRO/DCIP/CHPB	NRO/DCIP/CHPB (BC)
NAME	E. Stutzcage	E. Roach
DATE	06/07/10	06/09/10

**OFFICIAL RECORD**

**Public Meeting with the Nuclear Energy Institute (NEI)  
Discussion of New Reactor Health Physics Topics  
May 26, 2010**

**Meeting Attendees**

<b>Name</b>	<b>Organization</b>	<b>Name</b>	<b>Organization</b>
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Ed Stutzcage	NRC - HQ	Tony Pilo*	Progress Energy
Hosung Ahn	NRC - HQ	George Oliver*	NEI
Ellen Anderson	NEI	Ron Shippe*	Areva / Unistar
William Smith	SNC		
Charles Hinson	NRC - HQ		
Laray Benton	NRC - HQ		
Steven Schaffer	NRC - HQ		
Jairus Greene	MNES		
Goro Zmada	MNES		
Richard Conatser	NRC - HQ		
Ron LaVera	NRC - HQ		
Aaron Wilmont*	Westinghouse		
Mari Jaworsky*	Enercon		
George Kuzo*	NRC - RII		

\* By Telephone

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