October 13, 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 SEPTEMBER 22, 2010, CATEGORY 2 PUBLIC MEETING WITH THE NUCLEAR ENERGY INSTITUTE TO DISCUSS HEALTH PHYSICS ISSUES FOR NEW REACTORS

On September 22, 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 September 3, 2010, and was posted on the NRC's external (public) web page (Agencywide Document Access Management System (ADAMS) Accession No. ML102460224). 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
- 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 status of the ESBWR, USAPWR, and EPR design applications, as well as the status of COL applications currently under staff review. In addition, staff announced that they are anticipating application(s) for renewal of the ABWR DC in FY2011.

NRC used handouts from a previous ACRS meeting to present 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 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”. These handouts can be found in ADAMS at accession number ML102650372, following the transcript from the September 10, 2010 ACRS meeting. Staff stated that they are restructuring the ISGs for better clarification and synchronization with one another. Staff said that the revised versions of the ISGs will likely be published again, which would include an opportunity for public comments. NRC staff emphasized that the purpose of the ISGs are to provide applicants guidance on issues that are not clear in the Standard Review Plan (SRP). NRC staff also explained that after the ISGs are finalized, the ISG guidance would be incorporated into the next SRP update. Staff explained that they are working with members from several different branches in order ensure that the guidance is consistent throughout the agency. The next revisions of the ISGs are expected to be available by the end of the year.

NEI representatives provided new draft copies of the final two Construction and Pre-Operation Radiological Problem Statements “Excavation of Soil & Sediments and Pumping of Surface and Groundwater” and “Final Site Configuration Post Construction”. There were no changes made to the first two problem statements, “Exposure to Workers” and “Use of Sources of Radiation Not Licensed Under the COL”. NRC staff stated they would review the problem statements and provide comments at a future meeting. The summaries can be found in ADAMS at accession number ML102700645.

NRC staff announced that they are working to update some of the older Regulatory Guides. Staff noted that new Regulatory Guides only effect applications that are docketed six months or more after the issuance of the new Regulatory Guides. Staff announced that they are continuing work on guidance relating to part 30, 40, 70 licenses. Particularly, guidance for what license COL applicants need for receiving byproduct material for uses such as source checking and calibration.

NRC announced that upcoming workshops on 10 CFR Part 20 and Part 50 Appendix I will be held during the weeks of October 25, 2010 (Washington, DC), November 1, 2010 (Los Angeles, California), and November 8, 2010 (Houston, Texas). The specific locations and dates of these meetings will be posted on the NRC public Web site.

NEI representatives announced that industry is considering placing buried piping and groundwater protection under common initiative to be determined at a later date. A discussion on buried piping is expected to occur at a future meeting.

Future meetings are expected to be held on a quarterly basis. The next meeting is expected to occur in December of 2010, at the White Flint Complex.

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

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cc w/encl: See next page

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Meeting Notice Accession Number: ML102460224

OFFICE	NRO/DCIP/CHPB	NRO/DCIP/CHPB (BC)
NAME	E. Stutzcage	E. Roach (C.Hinson for)
DATE	10/ 4/10	10/ 13/10

OFFICIAL RECORD

Public Meeting with the Nuclear Energy Institute (NEI) Discussion of New Reactor Health Physics Topics September 22, 2010 Meeting Attendees			
Name	**Organization**	**Name**	**Organization**
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Mark Paul	Dominion	Jean-Claude Dehmel	NRC – HQ
Stewart J. Bland	Chesapeake Nuclear	Steve Williams	NRC - HQ
Charles S. Hinson	NRC - HQ	Edward Stutzcage	NRC - HQ
Ellen Anderson	NEI	Ron Shippe*	Areva/Unistar
William E. Smith	SNC	Milton Rejeck*	STP
Jaivus Greene	MNES		
Ricky A. Tripp	South Carolina Electric & Gas		
Lee Thomasson	Dominion		
Tom Moorer	Southern Nuclear		
Larry E. Haynes	Duke Energy		
Gregg Simmons	Progress Energy		
Edward Roach	NRC - HQ		
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