

October 18, 2007

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

FROM: Sara Bernal, Health Physicist /RA/  
Health Physics Branch  
Division of Construction Inspection  
& Operational Programs  
Office of New Reactors

SUBJECT: SUMMARY OF SEPTEMBER 20, 2007, CATEGORY 2 PUBLIC  
MEETING WITH THE NUCLEAR ENERGY INSTITUTE TO DISCUSS  
HEALTH PHYSICS ISSUES FOR NEW REACTORS

On September 20, 2007, the Nuclear Regulatory Commission (NRC) staff met with members of the Nuclear Energy Institute (NEI) to discuss new reactor health physics issues. Enclosure lists the meeting attendees.

A public meeting notice was issued on September 6, 2007, and was posted on the NRC's external (public) web page (Agencywide Document Access Management System (ADAMS) Accession No. ML072480008). The notice included the meeting agenda, which was also available as a handout at the meeting. The discussions included:

- Regulatory Guide RG 1.206 and the Standard Review Plan
- Proposed Industry Template for the Process Control Program (PCP) Description
- Draft guide (DG) 4012, "Minimization of Contamination and Radioactive Waste Generation – Life Cycle Planning"
- NRC Planned Update to Regulatory Guides

NRC staff began the meeting by clarifying the implementation policy for Regulatory Guide (RG) 4.15, Revision 2, "Quality Assurance for Radiological Monitoring Programs." NRC staff stated that combined operating license (COL) applicants should seriously consider implementing the new revision, but as with any other regulatory guide, applicants would also be free to propose an acceptable alternative to its guidance, with appropriate justification. To assist with the understanding and implementation of revision 2, industry representatives were encouraged to attend an all day workshop on RG 4.15 held on October 12, 2007 in the NRC auditorium.

Additionally NRC staff followed up on a question raised during the last public Health Physics meeting held on August 30, 2007 (ADAMS Accession No. ML0726204680). The question was whether a COL holder would be required to obtain a license amendment in order to change the

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site-specific information contained in an operational program description provided in its COL application. NRC staff responded that program descriptions are required to be included in a COL applicant's Final Safety Analysis Report (FSAR) per 10 CFR 52.98. Therefore, if the changes to the operational program do not affect information within the scope of a design certification rule or Subpart F manufacturing license, the applicable Part 50 change process would be the process described in 10 CFR 50.59. The results of the 50.59 analysis would dictate whether the licensee would be required to obtain a license amendment prior to implementing the proposed change, in accordance with 50.90.

NEI representatives presented a draft template called "NEI 07-10 Generic FSAR Template Guidance for PCP", developed for use by COL applicants. The NRC staff provided feedback to NEI on what was an acceptable level of detail for the template. As part of their feedback NRC staff stated that the PCP template should have a section discussing the interface requirements for mobile radwaste process and treatment systems, to provide for the case of a mobile system being changed out during the life of the plant. This would ensure that the PCP template was truly generic. NEI representatives agreed to incorporate the comment into the PCP template.

NEI representatives also provided administrative and technical feedback on DG 4012. NEI representatives requested that DG 4012 be issued for interim use for a period of a few years after which they suggested a workshop be held to discuss lessons learned. NEI also requested a meeting with staff from the Office of Research (RES) in mid-November to ensure that NRC staff understood NEI's comments on DG 4012. Finally, NEI asked to meet in mid-December with RES to discuss RES staff's resolution of their comments on the draft guide. On the technical side, NEI commented that it was not clear to them whether the waste issues, as addressed in DG 4012, met the intent of the regulation, since 10 CFR 20.1406 is under Subpart E, "Radiological Criteria for License Termination." NEI further questioned what "waste minimization" meant in the context of DG 4012. Was the desired outcome of the guidance to minimize total waste activity, waste volume, waste class or GTCC waste? NRC staff said they would take the comment into consideration and provide an answer at the next public meeting.

NRC staff closed out the meeting with a discussion on the Regulatory Guide Update Program. NRC staff commented that the best place to see the most current regulatory guide update schedule is on the NRC website (<http://www.nrc.gov/reading-rm/doc-collections/reg-guides/>), which is updated every week or so. RES staff will be working to finalize the phase 2 and phase 3 information. NEI representatives again commented that having regulatory guidance change while licensing new reactors would lead to having plants following different revisions of existing guidance. NEI also cautioned against updating regulatory guides when the underlying regulations are themselves out of date and need to be revised. NRC staff said they would take the comment into consideration.

Enclosure:  
List of Attendees  
Meeting Handout

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ADAMS Package Accession Number: ML072900284

Meeting Summary Accession Number: ML072890562

Meeting Notice Accession Number: ML072480008

Meeting Handout Accession Number: ML072840029

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DATE	10/17/07	10/18/07

Memo to Timothy Frye from Sara Bernal dated October 18, 2007.

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S. Burrows

W. Ott

E. O'Donnell

A. Valentin

**Public Meeting with the Nuclear Energy Institute (NEI)  
Discussion of New Reactor Health physics Issues  
September 20, 2007  
Meeting Attendees**

Name	Organization
Sara Bernal	NRC
Deann Raleigh	LIS, Scientech
Jerry Bonanno	NRC
Edward Roach	NRC
Steven Schaffer	NRC
Tim Frye	NRC
George Cicotte	NRC
Charles Hinson	NRC
Jean-Claude Dehmel	NRC
Richard Ely	Enercon Services
Ron Shippee	Areva Unistar
Pedro Salas	AREVA NP
William E. Smith	Southern Company
Ralph Anderson	NEI
George Oliver	NEI
Sheryl Burrows	NRC
Harriet Karagiannis	NRC
George Powers	NRC
Martin O'Neill	Morgan Lewis
Kimyata Morgan Butler	NRC
Andrea Johnson	NRC
Andrea Valentin	NRC
Bill Ott	NRC

ENCLOSURE

<b>Name</b>	<b>Organization</b>
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Philip Shultz*	SCANA
Milton Rejcek*	STPNOC

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