

October 28, 2008

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 OCTOBER 16, 2008, CATEGORY 2 PUBLIC MEETING
WITH THE NUCLEAR ENERGY INSTITUTE TO DISCUSS HEALTH
PHYSICS ISSUES FOR NEW REACTORS

On October 16, 2008, the Nuclear Regulatory Commission (NRC) staff met 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 30, 2008, and was posted on the NRC's external (public) web page (Agencywide Document Access Management System (ADAMS) Accession No. ML082730266). The notice included the meeting agenda, which was also available as a handout at the meeting. The discussions included:

- General Combined License (COL)/Design Certification (DC) Application Status and Lessons Learned
- Status of Industry Radiation Protection Templates, Including NEI 07-03 (Radiation Protection Program), NEI 07-08 (ALARA), NEI 07-09 (ODCM) and NEI 07-10 (PCP)
- NEI Templates Requests for Additional Information
- NEI 08-08 Template to Address 20.1406 Operational Requirements
- Regulatory Updates Perspectives
- Updating of GALE, LADTAP and GASPAR Health Physics computer codes

NRC and industry representatives discussed the status of the four Radiation Protection Program templates developed by NEI to support COL applications. Industry representatives stated that revision 4 of NEI 07-09, "Generic FSAR Template Guidance for Offsite Dose Calculation Manual (ODCM) Program Description," would be formally submitted to the NRC in October, 2008, in order to support a mid November safety evaluation issuance date. In addition, NRC provided feedback that they expected to issue a safety evaluation for NEI 07-10, revision 2, "Generic FSAR Template Guidance for Process Control Program (PCP) Description" by the end of October, 2008, and a safety evaluation for NEI 07-08, ALARA, by late November. With respect to NEI 07-03, "Generic FSAR Template Guidance for Radiation Protection Program Description," a public conference call between NEI and NRC was scheduled for November 6, 2008, to discuss all remaining industry and NRC concerns on this template.

Industry representatives provided a meeting handout (ML082960383) with examples of recent requests for additional information (RAIs) that had been issued to reference combined license applicants (RCOLA). NRC staff responded that with the exception of the last RAI all the applicant responses provided in the handout (ML082960383) had satisfactorily resolved the RAIs. NRC and industry representatives agreed that the last RAI would be discussed during the public conference call on November 6, 2008.

NRC provided comments to NEI on NEI 08-08, draft revision 0, "Generic FSAR Template Guidance for Life Cycle Minimization of Contamination" (ML082950592). NEI stated that they would evaluate the comments provided and submit a revised draft prior to the next public meeting to be held in mid December. NEI would then formally submit the NEI 08-08 template after incorporating the feedback received during the December public meeting.

NRC staff agreed that this would be fine, although they emphasized that all COL applicants needed to be aware of the schedule risk they were assuming by choosing to reference NEI 08-08 to demonstrate compliance with 10 CFR 20.1406 operational requirements. NRC stated that with the recent issuance of Regulatory Guide 4.21, all COL applicants had the resources on hand to address 20.1406 operational requirements without having to wait for NEI 08-08 to be accepted by the NRC. Although no problems were anticipated with regards to the template, choosing to defer compliance until its issuance was nevertheless a schedule risk which industry would be responsible for. NEI responded that they understood that NEI 08-08 was an industry initiative and therefore an industry created schedule risk, and that they would make sure this message was communicated to all industry members.

NRC staff presented information on efforts to update the GALE, LADTAP and GASPAR health physics computer codes. NRC, industry, EPRI and other stakeholders will continue to coordinate efforts to update the health physics codes as well as any supporting documentation.

Information on the status of the Radiation Protection Steering Committee's efforts to update 10 CFR Part 20 and Appendix I to 10 CFR Part 50 was presented.

Enclosure:
List of Attendees
Meeting Handouts

cc w/encl: See next page

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cc w/encl: See next page

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ADAMS Package Accession Number: ML082970457
Meeting Summary Accession Number: ML082950612
Meeting Notice Accession Number: ML082730266
Meeting Handout 1 Accession Number: ML082960383
Meeting Handout 2 Accession Number: ML082950592

OFFICE	NRO/DCIP/CHPB	NRO/DCIP/CHPB (BC)
NAME	SBernal	TFrye
DATE	10/24/2008	10/28/2008

OFFICIAL RECORD

**Public Meeting with the Nuclear Energy Institute (NEI)
Discussion of New Reactor Health physics Issues
October 16, 2008
Meeting Attendees**

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Mal Knapp	Talisman/MNES
Gina Borsh	Dominion
Tom Williamson	Entergy/NuStart
Jean Claude Dehmel	NRC
Steven Schaffer	NRC
Richard Ely	Enercon
William E. Smith	SNC
George Oliver	NEI
Mark Paul	Dominion
Edward Roach	NRC
Charles S. Hinson	NRC
Robert A. Kellner	NRC
Ronald LaVera	NRC
Sheryl Burrows	NRC
Ron Shippee	Areva/Unistar
Shinji Otami	Mitsubishi Nuclear Energy Systems
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Enclosure 2