

June 3, 2008

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

FROM: Katie Streit, Health Physicist **/RA/**
Health Physics Branch
Division of Construction Inspection
& Operational Programs
Office of New Reactors

SUBJECT: SUMMARY OF MAY 20, 2008, CATEGORY 2 PUBLIC MEETING
WITH THE NUCLEAR ENERGY INSTITUTE TO DISCUSS
HEALTH PHYSICS ISSUES FOR NEW REACTORS

On May 20, 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 March 1, 2008, and was posted on the NRC's external (public) web page (Agency wide Document Access Management System (ADAMS) Accession No. ML081200165). The notice included the meeting agenda, which was also available as a handout at the meeting. The discussions included:

- Status of NEI Radiation Protection Program Templates
- General Combined License (COL)/Design Certification (DC) Application Status and Lessons Learned
- AP1000 COL Background and Reference Material
- Updating of GALE, LADRAP and GASPAR computer codes
- Radiation Protection Steering Committee
- Status of RG 4.21 (DG 4012)

NRC and NEI representatives discussed the status of the four Radiation Protection Program templates being developed by NEI to support the COL applications. NRC handed out copies of Request for Additional Information letters for NEI 07-03, Radiation Protection Program Description (ML081400205), and NEI 07-08, Ensuring that Occupational Radiation Exposures are as Low as Reasonably Achievable template (ML081400254).

NRC staff also discussed the types of background information that each COL applicant was expected to provide to support the public radiation dose calculations presented in Chapter 11 of their Final Safety Analysis Report (FSAR). NRC staff handed out an example table illustrating what they expected to see in applications (ML081430149).

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NRC staff presented information on the NRC effort to update the GALE, LADTAP, and GASPAR computer codes. NRC provided a hand out of plant operational data needed from the industry to support the PWR GALE code revision (ML081430155). NEI representatives agreed to help support the revision by gathering comments from the industry and presenting to the NRC at a future public meeting.

Additionally, the NRC discussed the status and scope of the NRC Radiation Steering Committee. The Radiation Steering Committee is a NRC agency wide committee which reviews the latest International Committee on Radiation Protection Report to make recommendations to The Commission on radiation protection regulations and guidance.

Finally, the NRC discussed the status of Regulatory Guide 4.21, Minimization of Contamination and Radioactive Waste Generation: Life-Cycle Planning. The NRC stated the expected publication date in June for the guidance. NEI representatives expressed a desire for a separate public meeting for the guidance after it has been published.

Enclosure:
List of Attendees
Meeting Handouts

cc w/encl: See next page

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cc w/encl: See next page

DISTRIBUTION:

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Meeting Summary Accession Number: ML081430368
Meeting Notice Accession Number: ML081200165
Meeting Handout 1 Accession Number: ML081400205
Meeting Handout 2 Accession Number: ML081400254
Meeting Handout 3 Accession Number: ML081430149
Meeting Handout 4 Accession Number: ML081430155

OFFICE	NRO/DCIP/CHPB	NRO/DCIP/CHPB
NAME	KStreit	TFrye
DATE	5/29/2008	6/3/2008

OFFICIAL RECORD

**Public Meeting with the Nuclear Energy Institute (NEI)
Discussion of New Reactor Health Physics Issues
May 20, 2008
Meeting Attendees**

Name	Organization
Katie Streit	NRC
Sara Bernal	NRC
Steven Schaffer	NRC
Steve Williams	NRC
George Cicotte	NRC
Richard Ely	Enercon Services, Inc.
Ron Shippel	Areva/Unistar
Jamie Mallon	PSEG
Rich Clement	NRC
Tim Frye	NRC
Edward Roach	NRC
J. Stewart Bland	Chesapeake Nuclear Services
Sheryl Burrows	NRC
William E. Smith	SNC
Tom Williamson	Entergy/NuStart
Ralph Andersen	NEI
Dr. Carl J. Paperiello	Talisman Int.
Mari Johanna Jaworsky*	The Shaw Group
Karen Kim*	Energy Research Institute
Cyndi Connelly*	INPO
Milton Rejeck*	South Texas Project
Jo-Ann Pelczar*	Areva
Mark Strum*	Areva

* By Telephone