

August 8, 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 AUGUST 5, 2008, CATEGORY 2 PUBLIC MEETING
WITH THE NUCLEAR ENERGY INSTITUTE TO DISCUSS HEALTH
PHYSICS ISSUES FOR NEW REACTORS

On August 5, 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 July 22, 2008, and was posted on the NRC's external (public) web page (Agencywide Document Access Management System (ADAMS) Accession No. ML081980783). 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)
- Updating of GALE, LADTAP and GASPAR Health Physics computer codes
- Industry Perspectives on Potential Rulemaking
- Overview of Regulatory Guide 4.21, "Minimization of Contamination and Radioactive Waste Generation: Life-Cycle Planning"

NRC and industry representatives discussed the status of the four Radiation Protection Program templates developed by NEI to support COL applications. All final revisions of the NEI templates have been submitted to the NRC for review.

NRC staff presented information on their efforts to update the GALE, LADTAP and GASPAR health physics computer codes, as well as possible opportunities for industry involvement in the project (ML082200230). NRC, industry, EPRI and other stakeholders will continue to coordinate efforts to update the health physics codes as well as any supporting documentation.

Contact: Sara Bernal, NRO/DCIP, CHPB
301-415-1027

T. Frye

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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. Industry provided feedback on the proposed changes.

The meeting was concluded with two presentations by the NRC, the first was an overview of the 10 CFR 20.1406 rule and associated Regulatory Guide 4.21, "Minimization of Contamination and Radioactive Waste Generation: Life-Cycle Planning" (ML082200211). The second presentation focused on the role of Conceptual Site Models in the Hydrologic safety review of Combined License applications (ML082200199).

Enclosure:

List of Attendees

Meeting Handouts

cc w/encl: See next page

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Enclosure:

List of Attendees

Meeting Handouts

cc w/encl: See next page

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ADAMS Package Accession Number: ML082210254

Meeting Summary Accession Number: ML082200384

Meeting Notice Accession Number: ML081980783

Meeting Handout 1 Accession Number: ML082200230

Meeting Handout 2 Accession Number: ML082200211

Meeting Handout 3 Accession Number: ML082200199

OFFICE	NRO/DCIP/CHPB	NRO/DCIP/CHPB (BC)
NAME	SBernal: ERB1	TFrye
DATE	8/8/2008	8/8/2008

OFFICIAL RECORD

**Public Meeting with the Nuclear Energy Institute (NEI)
Discussion of New Reactor Health physics Issues
August 5, 2008
Meeting Attendees**

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Mike Snodderly	NRC
Jean-Claude Dehmel	NRC
Steven Schaffer	NRC
David Matchick	Worley Parsons
Erik Kirstein	GE-Hitachi
George Oliver	NEI
Joseph Tapia	Mitsubishi Nuclear Energy Systems
Mal Knapp	Talisman – MNES
Richard Ely	Enercon
Ron Shippee	Unistar AREVA
Paul Bunker	Worley Parsons
Pedro Salas	AREVA
Stewart Bland	Chesapeak Nuclear
James Breeden	North Anna/Dominion
Edward Cumming	Chesapeak Nuclear
Charles Pierce	Southern Nuclear
William E. Smith	Southern Nuclear
Bob Hirmanpour	NuStart
Tom Williamson	Entergy/NuStart
Mark Paul	Dominion
Ralph Andersen	NEI
Tim Frye	NRC
Sara Bernal	NRC

ENCLOSURE

Edward Roach	NRC
Richard Conatser	NRC
Nebiyu Tiruneh	NRC
Kathy Yhip*	Southern California Edison
Milton Rejeck*	South Texas Project
Tim Meneely*	Westinghouse
Jim Thorton*	GE – Hitachi
Karen Kim*	Energy Research Institute

* By Telephone

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