December 6, 2007

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

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

SUBJECT: SUMMARY OF NOVEMBER 13, 2007, CATEGORY 2 PUBLIC MEETING WITH THE NUCLEAR ENERGY INSTITUTE (NEI) TO DISCUSS HEALTH PHYSICS ISSUES FOR NEW REACTORS

On November 13, 2007, a Category 2 public meeting was held between the U.S. Nuclear Regulatory Commission (NRC) staff and 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 October 26, 2007, and was posted on the NRC's external (public) web page (Agencywide Document Access Management System (ADAMS) Accession No. ML072980781). The notice included the meeting agenda, which was also available as a handout at the meeting. The discussions included:

- Status of upcoming Design Certification and Combined Operating License Application (COLA) Submittals
- Two Chapter 11 Generic Templates, Cost-benefit analysis and Offsite Calculation Manual
- Draft guide (DG) 4012, “Minimization of Contamination and Radioactive Waste Generation – Life Cycle Planning”

NRC staff provided a meeting handout which detailed their comments and feedback on a draft version of NEI 07-11, Rev. 0, “Generic FSAR Template Guidance for Cost-Benefit Analysis for Radwaste Systems for Light-Water-Cooled Nuclear Power Reactors”. NRC staff stated that the draft template should include a series of sensitivity analyses for the purpose of bounding the effects of key parameters in defining acceptable threshold collective dose criteria. The major key parameters include current labor rates; operating costs; direct, indirect, and maintenance costs; capital recovery factors for skid-mounted equipment; and the use of equipment with larger processing rates or capacities. The staff presented other technical comments as well, see handout in ADAMS accession No. ML073400046.

CONTACT: Solomon Sahle, NRO/DCIP/CHPB
301-415-3781

NRC staff provided an additional meeting handout (ADAMS accession No. ML073400050) detailing comments and feedback on the draft version of "NEI 07-09, Rev. 0, Generic FSAR Template Guidance for Offsite Calculation Manual (ODCM)". NRC staff stated that the draft template did not fulfill the staff's expectations for this document. Specifically, the template does not explain that its purpose is to bridge a regulatory requirement between the COL application stage and fulfillment o f license conditions before fuel load, with the applicant being responsible for identifying and providing to the NRC all plant and site specific information available at the COL submission stage. NEI stated that it plans on responding to NRC comments on both templates at the next public meeting on New Reactor Health Physics Issues to be held in mid-December 2007, with the goal of submitting revised drafts of both templates at the first meeting in 2008. See handout for more details on NRC staff comments.

During the discussion on Draft Guide DG 4012, NEI reiterated the comments and feedback they had provided on Draft Guide 4012 during the October 18, 2007 public meeting (ADAMS accession No. ML073200574).

Enclosure:
List of Attendees
Meeting Handouts

cc w/encl: See next page

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During the discussion on Draft Guide DG 4012, NEI reiterated the comments and feedback they had provided on Draft Guide 4012 during the October 18, 2007 public meeting (ADAMS accession No. ML073200574).

Enclosure:
List of Attendees
Meeting Handout

cc w/encl: See next page

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ADAMS Package Accession Number: ML073400292
Meeting Summary Accession Number: ML073400054
Meeting Notice Accession Number: ML072980781
Meeting Handouts 1 - Accession Number: ML073400046
Meeting Handouts 2 - Accession Number: ML073400050

OFFICE	NRO/DCIP/CHPB	NRO/DCIP/CHPB (BC)
NAME	SSahle:hpm1	TFrye ***/RA/*** *by E .Roach for*
DATE	12/ 06 /07	12/ 06 /07

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Memo to Timothy Frye from Solomon Sahle dated _____.

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A. Cubbage
I. Berrios
A. Johnson
S. Burrows
W. Ott
E. O'Donnell

Public Meeting with the Nuclear Energy Institute (NEI) Discussion of New Reactor Health physics Issues November 13, 2007 Meeting Attendees	
Name	**Organization**
Sara Bernal	NRC
Solomon Sahle	NRC
George Cicotte	NRC
Tim Frye	NRC
Milton Rejcek	STPNOC
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
Tom Williamson	Entergy
Sheryl Burrows	NRC
Charles Cox	NRC
Brain Richter	NRC
Edward O'Donnell	NRC
Mari Johanna Jaworsky*	The Shaw Group
Bill Ott	NRC
Philip Shultz*	SCANA
Jo Ann Pelczar*	AREVA

* By Telephone

cc:

Mr. Anthony Pietrangelo, Vice President
Regulatory Affairs
Nuclear Energy Institute
1776 I Street, NW, Suite 400
Washington, DC 20006-3708

Mr. H. A. Sepp, Manager
Regulatory and Licensing Engineering
Westinghouse Electric Company
P. O. Box 355
Pittsburgh, PA 15230-0355

Mr. Jack Roe
Nuclear Energy Institute
1776 I Street, NW, Suite 400
Washington, DC 20006-3708

Mr. Charles B. Brinkman
Washington Operations
ABB-Combustion Engineering, Inc.
12300 Twinbrook Parkway, Suite 330
Rockville, MD 20852

Mr. Gary L. Vine, Executive Director
Federal and Industry Activities, Nuclear Sector
EPRI
2000 L Street, NW, Suite 805
Washington, DC 20036

Mr. Pedro Salas
Regulatory Assurance Manager - Dresden
Exelon Generation Company, LLC
6500 N. Dresden Road
Morris, IL 60450-9765
pedro.salas@areva.com

Ms. Barbara Lewis
Assistant Editor
Platts, Principal Editorial Office
1200 G St., N.W., Suite 1100
Washington, DC 20005

Mr. Gary Welsh
Institute of
Nuclear Power Operations
Suite 100
700 Galleria Parkway, SE
Atlanta, GA 30339-5957

Alexander Marion, Executive Director
Nuclear Operations & Engineering
Nuclear Energy Institute
1776 I Street, NW, Suite 400
Washington, DC 20006-3708

Mr. James H. Riley, Director
Engineering
Nuclear Energy Institute
Suite 400
1776 I Street, NW
Washington, DC 20006-3708

Ralph Anderson
Nuclear Energy Institute
1776 I Street, NW, Suite 400
Washington, DC 20006-3708
rla@nei.org

Ron Shippee
Areva Unistar
ronald.shippee@areva.com

Milton Rejcek
STPNOC
mfrejcek@stpegs.com

William Smith
Southern Company
x2wesmit@southernco.com

Richard Ely
Enercon Services
rely@enercon.com

Mark Strum
Areva Unistar

Mark.Strum@areva.com

George Oliver
Nuclear Energy Institute
1776 I Street, NW, Suite 400
Washington, DC 20006-3708
gxo@nei.org

Martin O'Neill
Morgan Lewis
martin.oneill@morganlewis.com