

September 20, 2007

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

FROM: George Cicotte */RA/*
Health Physics Branch
Division of Construction Inspection
& Operational Programs
Office of New Reactors

SUBJECT: SUMMARY OF AUGUST 15, 2007, CATEGORY 2 PUBLIC
MEETING WITH THE NUCLEAR ENERGY INSTITUTE TO DISCUSS
HEALTH PHYSICS ISSUES FOR NEW REACTORS

On August 15, 2007, the Nuclear Regulatory Commission (NRC) staff met with members of the Nuclear Energy Institute (NEI) to discuss new reactor health physics issues. The meeting took place at NRC headquarters located in Rockville, Maryland. The enclosure lists the meeting attendees.

A public meeting notice was issued on August 1, 2007, and was posted on the NRC's external public web page (Agencywide Document Access Management System (ADAMS) Accession Number ML072130015). The notice included the meeting agenda, which was also available as a handout at the meeting. The discussions included:

- (1) Discussion on Regulatory Guide (RG) - 1.206 and the Standard Review Plan (SRP)
- (2) Proposed Industry Topical Report on SRP Chapter 11 Operational Programs
- (3). Proposed Industry Approach to Appendix I Radwaste Cost Benefit Analysis

In order to address Industry questions on what is an acceptable level of detail for Chapter 11 operational programs described in a COL application, the NRC staff had previously proposed that industry submit a template, as a topical report, that would fully describe each of the four radiological effluent programs (ADAMS Accession Number ML072120561). At the beginning of the meeting, NRC staff discussed changing the focus of the meeting to recent developments with respect to how Construction & Operating License (COL) applicants should address 10 CFR 20.1406, RG 4.15 Revision 2 with respect to new "green field" sites versus co-located or co-operated new and existing sites, and the previously-agreed upon RG 1.206. NEI staff agreed that this would be appropriate.

CONTACT: George Cicotte, NRO/DCIP/CHPB
301-415-0672

NRC staff opened the meeting with a discussion of bi-weekly versus monthly meetings. All participants agreed that bi-weekly meetings, arranged by NRC staff at least through the end of September 2007, were advisable.

NEI staff addressed the topic of the level of detail required by NRC staff in COL applications versus in the proposed draft templates discussed in the August 1, 2007 meeting, and the letter NEI wrote to NRC dated August 10, 2007. A copy of this letter is included as an enclosure. NEI staff indicated the templates are not stand-alone documents, depending on basic references, whether design certification or other accepted references such as Safety Evaluation Reports containing site-specific information. NEI indicated that additional work on the draft templates meant the tentative schedule will be delayed by a few more days.

Additionally, NEI staff indicated they had discussed internally the concept of whether the program descriptions called for by regulation could be incorporated by reference to the Final Safety Analysis Report, to the template upon which the program description was based, or whether both should be included, and determined that they would do both.

NEI staff indicated the template for the Offsite Dose Calculation Manual (ODCM) was intended to be generic, that applicants would be expected to add to the template with site-specific information regarding monitoring locations and cutoff functions. NRC staff questioned the lack of a detailed description relative to the regulatory requirement. NEI staff disagreed, stating that inclusion of tables of parameters would not contribute to a review of the application with respect to reasonable assurance. A consensus understanding of the expectations with respect to completeness of the application was reached, and NEI staff indicated they would provide a schedule for submission of a working draft of the template for ODCM.

Minimization of contamination (10 CFR 20.1406) was discussed. The NEI staff requested clarification of the use by applicants of incorporation of national standards and regulatory guides by reference, with respect to NRC policy regarding the level of detail required.

The public was invited to attend the meeting. Public Meeting Feedback forms were not received.

Enclosure:
List of Attendees
Meeting Handout

cc w/encl: See next page

NRC staff opened the meeting with a discussion of bi-weekly versus monthly meetings. All participants agreed that bi-weekly meetings, arranged by NRC staff at least through the end of September 2007, were advisable.

NEI staff addressed the topic of the level of detail required by NRC staff in COL applications versus in the proposed draft templates discussed in the August 1, 2007 meeting, and the letter NEI wrote to NRC dated August 10, 2007. A copy of this letter is included as an enclosure. NEI staff indicated the templates are not stand-alone documents, depending on basic references, whether design certification or other accepted references such as Safety Evaluation Reports containing site-specific information. NEI indicated that additional work on the draft templates meant the tentative schedule will be delayed by a few more days.

Additionally, NEI staff indicated they had discussed internally the concept of whether the program descriptions called for by regulation could be incorporated by reference to the Final Safety Analysis Report, to the template upon which the program description was based, or whether both should be included, and determined that they would do both.

NEI staff indicated the template for the Offsite Dose Calculation Manual (ODCM) was intended to be generic, that applicants would be expected to add to the template with site-specific information regarding monitoring locations and cutoff functions. NRC staff questioned the lack of a detailed description relative to the regulatory requirement. NEI staff disagreed, stating that inclusion of tables of parameters would not contribute to a review of the application with respect to reasonable assurance. A consensus understanding of the expectations with respect to completeness of the application was reached, and NEI staff indicated they would provide a schedule for submission of a working draft of the template for ODCM.

Minimization of contamination (10 CFR 20.1406) was discussed. The NEI staff requested clarification of the use by applicants of incorporation of national standards and regulatory guides by reference, with respect to NRC policy regarding the level of detail required.

The public was invited to attend the meeting. Public Meeting Feedback forms were not received.

Enclosure:
List of Attendees
Meeting Handout

cc w/encl: See next page

DISTRIBUTION:
See next page

ADAMS Package Accession Number: ML072610078
Meeting Notice Accession Number: ML072130015
Meeting Handout Accession Number: ML072120561
Meeting Summary Accession Number: ML072610091

| | | |
|--------|---------------|--------------------|
| OFFICE | NRO/DCIP/CHPB | NRO/DCIP/CHPB (BC) |
| NAME | GCicotte:hpm1 | TFrye |
| DATE | 09/19/07 | 09/20/07 |

Memo to Timothy Frye from George Cicotte dated September 20, 2007

SUBJECT: SUMMARY OF AUGUST 15, 2007, CATEGORY 2 PUBLIC MEETING WITH THE
NUCLEAR ENERGY INSTITUTE TO DISCUSS HEALTH PHYSICS ISSUES FOR
NEW REACTORS

DISTRIBUTION:

PUBLIC

CHPB r/f

RidsNroDcipChpb

RidsOgcMailCenter

RidsAcrcAcnwMailCenter

RidsRgn1MailCenter

RidsRgn2MailCenter

RidsRgn3MailCenter

RidsRgn4MailCenter

A. Cubbage

I. Berrios

A. Johnson

W. Reckley

NRO_DCIP_CHPB

RidsNroDcipChpb

RidsOpaMail

meneeltk@westinghouse.com

gsalamon@enercon.com

draleigh@scientech.com

twilli2@entergy.com

x2wesmit@southernco.com

rla@nei.org

pedro.salas@areva.com

mark.paul@dom.com

lck@nei.org

ronald.shippee@areva.com

mfrejcek@stpegs.com

rely@enercon.com

**Public Meeting with the Nuclear Energy Institute (NEI)
Discussion of New Reactor Health physics Issues**

**August 15, 2007
Meeting Attendees**

| Name | Organization |
|-----------------|---------------------|
| Ralph Anderson | NEI |
| Jerry Bonanno | NRC |
| George Cicotte | NRC |
| Charles Cox | NRC |
| Richard Ely | Enercon Services |
| Rich Emch | NRC |
| Tim Frye | NRC |
| Mark Paul | Dominion Col |
| William Reckley | NRC |
| Ed Roach | NRC |
| Pedro Salas | Areva NP |
| Steve Schaffer | NRC |
| William E Smith | Southern Nuclear |
| Tom Williamson | Entergy/NuStart |
| Tim Meneely* | Westinghouse |

* By Telephone

ENCLOSURE

Nuclear Energy Institute
Project No. 689
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

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