

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.

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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 of 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 <i>/RA/</i> 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. Cabbage

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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            |

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Project No. 689

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