

May 11, 2016

MEMORANDUM TO: Stacey L. Rosenberg, Chief
Probabilistic Risk Assessment Licensing Branch
Division of Risk Assessment
Office of Nuclear Reactor Regulation

FROM: Leslie C. Fields, Senior Project Manager /RA/
Probabilistic Risk Assessment Licensing Branch
Division of Risk Assessment
Office of Nuclear Reactor Regulation

SUBJECT: SUMMARY OF THE APRIL 13, 2016, FIRE PROBABILISTIC
RISK ASSESSMENT FREQUENTLY ASKED QUESTIONS
CATEGORY 2 PUBLIC MEETING BETWEEN NUCLEAR
REGULATORY COMMISSION AND NUCLEAR ENERGY
INSTITUTE REPRESENTATIVES

On April 13, 2016, the U.S. Nuclear Regulatory Commission (NRC) staff held a public meeting with the Nuclear Energy Institute (NEI) and industry stakeholders to discuss issues related to fire probabilistic risk assessment (FPRA) Frequently Asked Questions (FAQs). Prior to this meeting, the NRC staff sent an email to NEI and industry stakeholders with the Office of Nuclear Reactor Regulation (NRR)'s prioritization of Electric Power Research Institute (EPRI) fire PRA research items. Other items discussed at the meeting included NRC's position on industry's response to the transient frequencies FAQ (FPRA FAQ 14-0007) and National Fire Protection Association Standard (NFPA)-805 modification scope changes and associated use of new PRA methods. The meeting notice was made available in Agencywide Document Access and Management System (ADAMS) Accession No. ML16090A135. The meeting agenda is enclosed (ML16132A168).

The questions and proposed solutions discussed during this meeting are considered pre-decisional and do not necessarily reflect the Nuclear Regulatory Commission (NRC) staff's position until they are formally accepted for processing. In addition, the enclosed prioritization list is a draft and does not imply that NRR necessarily agrees with the research approaches for these items. The discussion of meeting topics is included in the summary below.

After formal introductions, NEI provided an update on items previously discussed at the November 17, 2015, FAQ meeting, by giving a presentation on "Industry Fire PRA Realism Priorities". This presentation is available at ML16132A174. (The November 17th meeting summary and slides are available at ML15341A347 and [ML15322A285](#), respectfully).

Prioritization of EPRI's proposed fire PRA research items

The NRC staff provided an update on the NRR's prioritization of EPRI fire PRA research items.

CONTACT: Leslie C. Fields, NRR/DRA
(301) 415-1186

The NRC's most recent "March 25, 2016 –NRR Viewpoint on Priority of the EPRI Research Items" is available at ML16091A488. NEI plans to pursue all EPRI items ranked high and medium priority and requested open lines of communication with participation from the NRR and the NRC's Office of Reactor Research (RES). There was specific discussion regarding how the industry plans to address Bin 15 cabinet frequency breakdown. The industry stated that the scope of fire growth modeling report most likely will address Bin 15 as described in the "Industry Fire PRA Realism Priorities" presentation mentioned above.

Industry's response on transient frequencies FAQ (FPRA FAQ 14-0007)

The industry presented discussion points associated with FAQ-14-0007 available in ADAMS under ML16132A205. NRC staff agreed to provide feedback in the near future.

Discussion on NFPA-805 modification scope changes and use of new PRA methods

The industry is seeking clarity on the NRC letter to NEI regarding staff expectations related to accelerated reviews of changes to committed modifications and implementation items. ML16015A416.

NRC staff discussed the three types of requests or options that are presented in the letter. Option a. applies to changes that used methods that had been accepted in the requesting licensee's safety evaluation. This option requires the least submitted information. The staff expects to perform a streamlined review on such an application and expects it to be reviewed the fastest of the three options. Option b. applies to changes that used methods that have been accepted in another plant's NFPA 805 safety evaluation, that is, not the requesting plant. Option b. requires the submittal include more information and the staff will judge whether a streamlined review could be achieved for option b. The last option, Option c. involves methods that have been accepted for use by the NRC, but not yet been approved in an NRC NFPA 805 safety evaluation. This option involves submitting similar information as Option b., but is expected to have the longest review time as a streamlined review is not possible. Option C. would apply to the first use of the new fire HRRs from NUREG-2178.

The NRC staff indicated that this communication was prepared to help licensees set expectations when submitting license amendment requests. NRC emphasized that the letter provides a means for quick turnaround requests when specific options are used.

Closing Remarks and Public Comments

Attendees agreed that the next meeting should be held approximately 6 weeks after NRC feedback is provided.

An opportunity for public comment was provided near the end of the meeting. No public comments were received. The meeting was then adjourned.

A list of meeting attendees is enclosed with-in this memorandum.

Enclosure:

As stated

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Enclosure:
As stated

DISTRIBUTION:

DRA R/F	G Taylor, RES	N Melly, RES	J Hyslop	S Dinsmore
M Salley	RidsNrrDraAfpb	RidsNrrDraApla	RidsNrrDra	vka@nei.org

ADAMS Package Accession No.:	ML16132A218
ADAMS Memo Accession No.:	ML16131A852
ADAMS Meeting Notice Accession No.:	ML16090A135
ADAMS Public Meeting with Industry Accession No.:	ML16132A168
ADAMS Implications of Fire PRA Accession No.	ML15322A285
ADAMS Industry Fire PRA Realism Accession No.	ML16132A174
ADAMS March 25, 2016-Viewpoint Accession No.	ML16091A488
ADAMS FAQ 14-0007 Accession No.	ML16132A205

Office	NRR/DRA/AFP	NRR/DRA/APLA
Name	LFIELDS	SRosenberg
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**FIRE PROBABILISTIC RISK ASSESSMENT FREQUENTLY ASKED QUESTIONS
PUBLIC MEETING BETWEEN NUCLEAR REGULATORY COMMISSION AND
NUCLEAR ENERGY INSTITUTE REPRESENTATIVES
LIST OF ATTENDEES**

April 13, 2016

**U. S. Nuclear Regulatory
Commission Staff**

NRC/NRR/DRA

J. Giitter
S. Rosenberg
G. Casto
H. Barrett
J.S. Hyslop
L. Fields
M. Reisifard
D. Frumkin*
C. Moulton*

NRC/RES/DRA

M. Salley

Et al.

Stakeholders

Industry

V. Anderson (NEI)
A. Lindman (EPRI)
K. Zee (Jensen Hughes)
A. Ratchford (Jensen Hughes)
J. Voskuil (Palisades)*
M. Schairer (EPM)*
P. Bemis (Diablo Canyon)*

*Participated via phone

ENCLOSURE