

July 12, 2013

MEMORANDUM TO: Hossein G. Hamzehee, Chief  
PRA Licensing Branch  
Division of Risk Assessment  
Office of Nuclear Reactor Regulation

FROM: Mehdi Reisi Fard, Reliability and Risk Analyst /RA/  
PRA Licensing Branch  
Division of Risk Assessment  
Office of Nuclear Reactor Regulation

SUBJECT: SUMMARY OF JUNE 19, 2013 CATEGORY 2 MEETING REGARDING  
FIRE PROBABILISTIC RISK ASSESSMENT METHODS AND  
FREQUENTLY ASKED QUESTIONS

On June 19, 2013, the U.S. Nuclear Regulatory Commission (NRC) staff held a Category 2 public meeting, via teleconferencing, with the nuclear industry and the Nuclear Energy Institute (NEI) to discuss fire probabilistic risk assessment (FPRA) Frequently Asked Questions (FAQs). Prior to this meeting, the NRC staff provided written comments to the industry on Fire Dynamics Simulator (FDS) runs related to FPRA FAQ 13-0004, "Clarifications on Treatment of Sensitive Electronics," (Available at Agencywide Documents Access and Management System (ADAMS) Accession No. ML13155A476). The industry also provided the following documents to the NRC prior to the meeting: 1) FDS sensitivity studies supporting FPRA FAQ 13-0004 (ADAMS Accession No. ML13178A333), 2) updated version of the draft on FPRA FAQ 13-0004 (ADAMS Accession No. ML13178A351), 3) updated version of the draft on FPRA FAQ 13-0006, "Modeling Junction Box Scenarios in a Fire PRA," (ADAMS Accession No. ML13178A341).

A summary of the topics discussed at this meeting is provided below:

- For FPRA FAQ 13-0002, "Modeling of Control Room Abandonment," NRC and the industry agreed to discuss illustrative examples of MCR abandonment scenarios, where a failure probability of 0.1 is bounding for the loss of habitability. Industry agreed to provide illustrative examples with variations and enough detail before the next FPRA FAQ public meeting.
- NRC staff conveyed comments on the industry's latest revision of FPRA FAQ 13-0004. Industry agreed to revise the draft FAQ to address NRC staff's comments including addition of a discussion on limitation of the FAQ applications.

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- NRC staff conveyed comments on the latest revision of FPRA FAQ 13-0006 and discussed the proposed options for apportioning junction box frequency. NRC staff agreed to provide those comments in writing. Industry also agreed to provide a revision on this FAQ taking into consideration the written NRC comments and meeting discussions.

Meeting participants agreed to hold the next FPRA FAQ public meeting on July 10, 2013.

Meeting notice and agenda for this public meeting is available at ADAMS Accession No. ML13144A134.

A list of meeting attendees is enclosed with this memorandum.

Enclosure  
As stated:

ENCLOSURE

- NRC staff conveyed comments on the latest revision of FPRA FAQ 13-0006 and discussed the proposed options for apportioning junction box frequency. NRC staff agreed to provide those comments in writing. Industry also agreed to provide a revision on this FAQ taking into consideration the written NRC comments and meeting discussions.

Meeting participants agreed to hold the next FPRA FAQ public meeting on July 10, 2013.

Meeting notice and agenda for this public meeting is available at ADAMS Accession No. ML13144A134.

A list of meeting attendees is enclosed with this memorandum.

Enclosure:  
As stated

DISTRIBUTION:

JGitter, NRR	SLee, NRR	HHamzehee, NRR	AKlein, NRR
HBarrett, NRR	SDinsmore, NRR	RGallucci, NRR	JHyslop, NRR
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ADAMS Accession No. **ML13191B296**

OFFICE	DRA/APLA	DRA/APLA
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DATE	07/ 11 /13	07/ 12 /13

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**FIRE PROBABILISTIC RISK ASSESSMENT  
FREQUENTLY ASKED QUESTIONS PROCESS**

**LIST OF ATTENDEES**

June 19, 2013

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

J. Giitter  
S. Lee  
A. Klein  
H. Barrett  
J. Hyslop  
N. Iqbal  
J. Lai\*  
M. Metzger  
M. Reisi Fard

**Stakeholders**

P. Amico (Hughes Associates, Inc.)\*  
V. Anderson (Nuclear Energy Institute)\*  
J. Hiller (Ameren Missouri)\*  
M. Hulet (Palo Verde Nuclear Generating Station)\*  
F. Joglar (Hughes Associates, Inc.)\*  
J. Julius (Sciencetech)\*  
A. Lindeman (Electric Power Research Institute)\*  
A. Ratchford (RDS)\*  
M. Schairer (Engineering Planning and Management, Inc.)\*  
K. Zee (ERIN Engineering)\*

\*participated via phone

ENCLOSURE