

May 13, 2015

MEMORANDUM TO: Stacey L. Rosenberg, 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 MAY 5, 2015 CATEGORY 2 MEETING
REGARDING FIRE PROBABILISTIC RISK ASSESSMENT
METHODS AND FREQUENTLY ASKED QUESTIONS

On May 5, 2015, 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 industry provided a draft white paper on implementation of new fire ignition frequencies and non-suppression probabilities (available at Agencywide Documents Access and Management System (ADAMS) Accession No. ML15118A794). The NRC issued the close-out memorandum of FPRA FAQ 14-0009, "Treatment of Well MCC Sealed Electrical Panels Greater than 440V," (Package available at ADAMS Accession No. ML15119A176) and provided comments on FPRA FAQ 14-0007, "Transient Fire Frequency Likelihood," (ADAMS Accession No. ML15120A229).

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

- The NRC staff announced the issuance of the close-out memorandum for FPRA FAQ 14-0009 and briefly discussed the changes made in the final revision of this FPRA FAQ following the review of classification of breach events in the original proposed FPRA FAQ by the methods review panel. Finally, the NRC staff stated that the guidance in FPRA FAQ 14-0009 is acceptable for use by the licensees.

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- The industry discussed their proposal for implementation of new methods and data, including 2014 ignition frequencies. Under industry's proposal there are two mechanisms by which a licensee's process calls for an update that involves consideration of new methods and data. The first is the NFPA 805 license condition calling for a licensee to update their PRA model prior to transition to self-approval to reflect the as-built, as-operated plant following NFPA 805 modifications. The second is the licensee's periodic update process, which typically takes place every 3-5 years. The NRC staff asked the industry to clarify the proposal by discussing how it incorporates new methods and data at various stages such as when the letter of intent is submitted, when the license amendment request is submitted, or when the license amendment is issued. The industry explained their process for evaluating the need for updating information at each of those stages. The NRC staff agreed to hold internal meetings to discuss the industry's proposal and provide feedback to the industry by the next FPRA FAQ meeting.
- The NRC staff and the industry discussed the NRC comments on the first draft of FPRA FAQ 14-0007. The industry stated that the industry would provide a response to the NRC comments by the next FPRA FAQ public meeting.

Meeting notice and agenda for this public meeting is available at ADAMS Accession No. ML15077A277.

A list of meeting attendees is enclosed with this memorandum.

Enclosure:
As stated

- The industry discussed their proposal for implementation of new methods and data, including 2014 ignition frequencies. Under industry's proposal there are two mechanisms by which a licensee's process calls for an update that involves consideration of new methods and data. The first is the NFPA 805 license condition calling for a licensee to update their PRA model prior to transition to self-approval to reflect the as-built, as-operated plant following NFPA 805 modifications. The second is the licensee's periodic update process, which typically takes place every 3-5 years. The NRC staff asked the industry to clarify the proposal by discussing how it incorporates new methods and data at various stages such as when the letter of intent is submitted, when the license amendment request is submitted, or when the license amendment is issued. The industry explained their process for evaluating the need for updating information at each of those stages. The NRC staff agreed to hold internal meetings to discuss the industry's proposal and provide feedback to the industry by the next FPRA FAQ meeting.
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As stated

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ADAMS Accession No.: ML15131A297

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

LIST OF ATTENDEES

May 5, 2015

U. S. Nuclear Regulatory Commission Staff

S. Lee
A. Klein
S. Rosenberg
H. Barrett
D. Frumkin
J. Hyslop
C. Moulton
M. Reisi Fard

Stakeholders

V. Anderson (Nuclear Energy Institute)*
J. Branum (Southern Nuclear)*
F. DePeralta (Pacific Northwest National Laboratory)*
B. Najafi (Hughes Associates Inc)*
S. Short (Pacific Northwest National Laboratory)*
J. Stone (Exelon)*
M. Schairer (Engineering Planning and Management (EPM), Inc.)*
K. Zee (ERIN Engineering and Research, Inc.)*

Et al.

*participated via phone

ENCLOSURE