

October 15, 2002

MEMORANDUM TO: Mark A. Cunningham, Chief  
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Division of Risk Analysis and Applications  
Office of Nuclear Regulatory Research

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SUBJECT: MEETING SUMMARY BETWEEN NRC, EPRI, DOMINION  
NUCLEAR CONNECTICUT, AND AMERICAN ELECTRIC  
POWER - APRIL 19 AND 24, 2002

On April 19 and 24, 2002, the NRC staff met with the representatives from EPRI, SAIC (contractor for EPRI), Sandia National Laboratory (contractor for NRC), Dominion Nuclear Connecticut, and American Electric Power regarding the joint NRC-EPRI fire risk requantification studies updating their fire risk assessments (FRAs). The Fire Risk Requantification Study is identified as a program element in the fire risk addendum to the NRC/EPRI Memorandum of Understanding (MOU).

One of the principal objectives of this project is to develop a technical basis and guidance that will clarify issues affecting application of fire risk methods. This project is planned in three phases. In the first phase, the NRC Office of Nuclear Regulatory Research (NRC-RES) and EPRI will develop positions on fire risk methods, with potential review by plants participating in this project that are not serving as pilots (non-pilot participants). Also, a study of two pilot plants will be conducted to update their FRAs using the improved methods, tools, and data developed in the first phase. This phase will involve the active participation of the two pilot plant participants in addition to support by EPRI and NRC-RES. In the second phase, EPRI will use the results of Phase one to update the Fire PRA Implementation Guide and NRC-RES will develop documentation relating to lessons learned and insights gained. Phase three will consist of technology transfer to the form of workshops and training courses.

In order to accomplish the above objectives in this project, EPRI and NRC-RES developed a joint project plan which identified the scope of the project, the objectives, the technical issues, the resources, and responsibilities for EPRI, NRC-RES, the pilot plants (Millstone Unit 3 and D.C. Cook Units 1 and 2), and potentially the non-pilot participating plants. During these meetings specific comments were developed by EPRI, NRC staff, and representatives of Millstone Unit 3 and D.C. Cook. These comments will be incorporated into project plan prior to the start of the project at the pilot plants.

Following is the summary of the comments regarding the project plan:

- NRC and its contractors will be developing positions on methods through interaction with EPRI and their contractors. A process will be developed to ensure that all parties views are considered. The goal of the process is to reach consensus. However, If NRC and EPRI disagree, each party will maintain its independence.
- Demonstration analyses will be performed by NRC and EPRI with the assistance of the pilot plants to ensure that its position on methods are viable and can be implemented. Demonstration analyses reflect a portion of the pilot FRA. The licensee can either accept or reject NRC positions in their fire risk analysis.
- Discussion was held on NRC proposed task on fire modeling uncertainty. Overall objectives for the plan were discussed.
- Parties were in agreement to proceed with the kickoff meeting, providing comments could be incorporated into the program plan beforehand.

A copy of the agenda and the list of attendees are attached.

Attachments: As stated

cc: L. Olshan  
S. Newberry  
N. Siu  
J. Stang  
V. Nerses  
E. Weiss  
R. Woods

Distribution: PRAB r/f, DRAA Chron, Singh, Singh r/f

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OFFICE	DRAA/PRAB	DRAA/PRAB	DRAA/PRAB
NAME	Singh	Hyslop	Cunningham
DATE	10/11/2002	10/14/2002	10/15/02

**Public Meeting to Discuss  
Re-quantification Program  
April 24, 2002**

<b>Attendees</b>	<b>Affiliation</b>	<b>Phone</b>	<b>E-mail</b>
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**Agenda for  
Fire Risk Re-quantification Project Planning Meeting  
US NRC, Rockville, MD  
April 24, 2002**

**Meeting Objectives**

Discussion to facilitate completion of draft D of the project work plan in preparation for the first pilot evaluation scheduled to start on May 14<sup>th</sup>, 2002.

**Agenda**

9:00a: Morning Session

- Draft D of the project work plan
- Comments and discussion on the draft D
  - Technical
  - Programmatic; incl., work breakdown, project review; peer review and oversight, and technical issues resolution

12:00n: Lunch

1:00p: Afternoon Session

- NRC proposed task on analysis of fore model uncertainty
- Review of issues and decisions towards finalizing work plan
- Near term actions
- Impact on kickoff meeting schedule?

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4:00pm

Adjourn