

June 5, 2006

MEMORANDUM TO: Mark H. Salley, Team Leader
Fire Team
Operating Experience and Risk Analysis
Division of Risk Assessment and Special Projects
Office of Nuclear Regulatory Research

FROM: Kendra Hill /RA/
Fire Team
Operating Experience and Risk Analysis
Division of Risk Assessment and Special Projects
Office of Nuclear Regulatory Research

SUBJECT: SUMMARY OF THE PUBLIC WORKSHOP ON FIRE
PROBABILISTIC RISK ASSESSMENT

The U.S. Nuclear Regulatory Commission's (NRC's) Office of Nuclear Regulatory Research (RES) and the Electric Power Research Institute (EPRI) conducted the second joint public workshop on fire probabilistic risk assessment (PRA) on May 24–26, 2006, in NRC's Two White Flint North Auditorium in Rockville, MD. The workshop was centered around the technical document NUREG/CR-6850 (EPRI 1011989), entitled "EPRI/NRC-RES Fire PRA Methodology for Nuclear Power Facilities," published in September 2005. Approximately 130 persons attended this workshop, including NRC, licensees, consultants, and national laboratories, as well as international regulators and industry representatives. The notice for this workshop is contained in NRC's Agencywide Documents Access and Management System (ADAMS) Accession No. ML060260428.

This methodology supports implementation of the risk-informed, performance-based fire protection rule 10 CFR 50.48(c) which endorses the National Fire Protection Association (NFPA) Standard 805, as well as several other applications, including the development of the American Nuclear Society Fire PRA Standard. Workshop attendees discussed the improvements made by this methodology relevant to conducting a fire PRA, including topics such as fire ignition frequencies, fire initial conditions, probability of non-suppression, circuit analysis, and plant response from fires.

The public comments and active dialogue indicated that this workshop was very successful and effective at communicating this research. A common recommendation was to provide more detailed discussion and specific examples.

The first joint EPRI/NRC-RES fire PRA workshop was conducted in June 2005 at the EPRI Facility in Charlotte, NC, and attended by approximately 80 persons.

- Enclosures:
1. Attendance List
 2. Agenda
 3. Workshop Slides
 4. Errata Sheet to NUREG/CR-6850 (EPRI 1011989)
 5. Fire Risk Research Triangle Poster Reference and CD Contents

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