

December 1, 2011

MEMORANDUM TO: Mark Salley, Chief
Fire Research Branch
Division of Risk Analysis
Office of Nuclear Regulatory Research

FROM: Kendra Hill */RA/*
Fire Research Branch
Division of Risk Analysis
Office of Nuclear Regulatory Research

SUBJECT: SUMMARY OF NRC-RES/EPRI FIRE PRA COURSE HELD
NOVEMBER 14-18, 2011

The U.S. Nuclear Regulatory Commission (NRC) office of Nuclear Regulatory Research (RES) and the Electric Power Research Institute (EPRI) conducted a joint public meeting consisting of a fire PRA (Probabilistic Risk Assessment) course on November 14 – November 18, 2011 at the Hyatt Regency Jacksonville Riverfront in Jacksonville, FL. The purpose of the course was to provide detailed, hands-on training on the fire PRA methodology described in the technical document, NUREG/CR-6850 (EPRI 1011989) entitled “EPRI/NRC-RES Fire PRA Methodology for Nuclear Power Facilities.” This fire PRA methodology document supports implementation of the risk-informed, performance-based rule 10CFR50.48(c) endorsing National Fire Protection Association (NFPA) Standard 805, as well as other applications such as exemptions or deviations to our current regulations and fire protection Significance Determination Process phase 3 applications.

RES and EPRI provided training in five subject areas related to fire PRA: Fire Analysis, PRA, Human Reliability Analysis (HRA), Electrical Analysis, and Fire Modeling. Participants selected one of these subject areas and spent the duration of the course in the module that covered the subject area that they selected. The Fire Modeling module was introduced this year and covered the fire modeling guidance provided in EPRI 1019195, NUREG-1934, “Nuclear Power Plant Fire Modeling Application Guide.” For each technical area, the workshop also included a one day module introducing the fundamentals of the subject. The purpose of the fundamentals modules was to assist students without an extensive background in the technical area in understanding the in-depth training modules that followed. Attendance in the fundamentals modules was optional. The workshop’s format allowed for in-depth presentations and practical examples directed toward the participant’s area of interest.

The workshop drew approximately 84 participants including NRC employees from NRR, RES and the Regions, licensees and consultants, and representatives from outside the U.S.

CONTACT: Kendra Hill, RES/DRA
301-251-3300

M. Salley

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The course slides (Enclosure 1) can be found in ADAMS under ADAMS package accession number ML113350170.

Enclosures:

1. Course Slides
2. Attendance List

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OFFICE	RES/DRA/FRB	RES/DRA/FRB
NAME	K. Hill	M. Salley
DATE	12/1/11	12/1/11

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