August 8, 2010

MEMORANDUM TO: Donnie Harrison, Chief
Probabilistic Risk Assessment Licensing Branch
Division of Risk Assessment
Office of Nuclear Reactor Regulation

FROM: Andrew J. Howe, Sr. Reliability and Risk Analyst ***/RA/***
Probabilistic Risk Assessment Licensing Branch
Division of Risk Assessment
Office of Nuclear Reactor Regulation

SUBJECT: SUMMARY OF JULY 29, 2010, CATEGORY 2 MEETING REGARDING FIRE PROBABILISTIC RISK ASSESSMENT - STATUS OF INDUSTRY AND NUCLEAR REGULATORY COMMISSION ACTIVITIES

On July 29, 2010, the U.S. Nuclear Regulatory Commission (NRC) staff held a meeting with stakeholders and the public to discuss ongoing efforts by the industry and NRC on continuing to improve the realism of fire probabilistic risk assessment (PRA) models. Representatives of the Nuclear Energy Institute (NEI), the Electric Power Research Institute (EPRI), and the NRC made formal presentations, which were followed by an open discussion on key technical and regulatory issues. Realistic fire PRA models support plants transitioning to risk-informed, performance-based fire protection programs under National Fire Protection Association (NFPA-805), as well as other risk-informed applications, by assuring plant resources are focused on safety-significant issues.

The presentations are included as an attachment to this meeting summary. The topics of open discussion were 1) Significant areas of conservatism and uncertainty for fire PRA, 2) impact on NFPA-805 submittal schedule due to changing fire PRA methods, 3) NRC involvement and coordination for revised fire PRA methods, 4) interaction of Regulatory Guide 1.200 and fire PRA methods development, and 5) regulatory impacts of ongoing shutdown/low power fire methods.

A list of meeting attendees is enclosed with this memorandum.

Enclosure:
As stated

CONTACT: Andrew Howe, NRR/DRA
(301) 415-3078

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NAME	AHowe	DHarrison
DATE	08 /03 /10	08 / 03 /10

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FIRE PROBABILISTIC RISK ASSESSMENT – STATUS OF INDUSTRY AND NUCLEAR REGULATORY COMMISSION ACTIVITIES
LIST OF ATTENDEES

July 29, 2010

U. S. Nuclear Regulatory Commission Staff

H. Barrett
M. Cunningham
S. Dinsmore
R. Gallucci
A. Howe
J. Hyslop
A. Klein
J. Lai
S. Laur
S. Lee
C. Lui
D. Molik
H. Phan
M. Salley
S. Weerakkody

Others

P. Amico (SAIC)
V. Anderson (NEI)
P. Baranausky (ERIN)
B. Bradley (NEI)
R. Brady (Schirmer Engineering)
K. Canavan (EPRI)
R. Davis (Progress Energy)
F. Emerson (BWROG/General Electric)
R. Fine (First Energy)
P. Knoespel (Engineering Planning and Management)
J. Lattner (Southern Company)
S. Levinson (AREVA)
D. Lochbaum (Public)
S. Trubatch (Public)
D. True (ERIN)
K. Zee (ERIN)

ENCLOSURE