

June 6, 2008

**MEMORANDUM TO:** Alexander R. Klein, Chief  
Fire Protection Branch  
Division of Risk Assessment  
Office of Nuclear Reactor Regulation

**FROM:** Paul Lain, Senior Fire Protection Engineer */RA by C. Moulton for/*  
Fire Protection Branch  
Division of Risk Assessment  
Office of Nuclear Reactor Regulation

**SUBJECT:** NON-PILOT WORKSHOP REGARDING TRANSITION TO NATIONAL  
FIRE PROTECTION ASSOCIATION STANDARD 805

**DATE & TIME:** Thursday June 19, 2008 (8:30 to 5:00)  
Friday June 20, 2008 (8:30 to 12:00)

**LOCATION:** To Be Determined (in the Metro Washington, DC area)

**PURPOSE:** To discuss the topics associated with transition to the risk-informed,  
performance-based fire protection regulation in Title 10 of the *Code of  
Federal Regulations*, Part 50.48(c), National Fire Protection Association  
(NFPA) 805 Rule.

**CATEGORY\*:** This is a Category 3 meeting. Industry and the public are invited to  
participate in this meeting to discuss the implementation of NFPA 805.

**CONTACTS:** Paul W. Lain, NRR                      Harold Barrett  
301-415-2346                                      301-415-1402  
paul.lain@nrc.gov                                harold.barrett@nrc.gov

**PARTICIPANTS:** NRC                                      Stakeholders  
Office of Nuclear Reactor Regulation      Nuclear Industry Representatives  
Office of Nuclear Reactor Research        Nuclear Energy Institute  
Office of Enforcement                        Consultants to the Nuclear Industry  
Regional Offices                                Public

**ENCLOSURE:** Agenda

\* Commission's Policy Statement on "Enhancing Public Participation in NRC Meetings,"  
(67 FR 36920) May 28, 2002

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 Public

**Enclosure:** Agenda

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**OFFICIAL RECORD COPY**

**NFPA 805 Public Workshop  
June 19 & 20, 2008  
AGENDA**

Location: To Be Determined

**June 19: 8:30 AM: Welcome**

**NFPA 805 Program Status**

- Enforcement Discretion Extension
- Nuclear Energy Institute (NEI) 04-02 and Regulatory Guide 1.205 Revision
- License Amendment Request (LAR) vs. License Renewal Application
- Post Transition Inspections

**Status/Results on EPRI/RES Efforts**

- Incipient Detection
- Fire Ignition Frequency Update
- Large Oil Pump Fires
- Hot-Short Duration
- Manual Suppression Effectiveness
- Fire Development Timelines
- Heat Release Rate Correlations for Stacked Cable Trays

**Non-Pilot Fire PRA Transition Implementation Experiences**

- Highlights of a Non-FRANC/Non-CAFTA Fire Probabilistic Risk Assessment (FPRA) - RISKMAN, NUPRA, etc.
- Fire Scenario Development
  - Unique Screening Techniques
  - Detailed Fire Modeling (Zone Modeling & FDS)
- Transient Fire Screening
- Multiple Spurious Operation Analysis Techniques
  - NRC methodology
  - Frequently Asked Question-12 methodology
- Human Reliability Analysis Treatment of Recovery Actions
- Treatment of Control Room Fires
- Change Evaluations
  - Various Methods
  - Examples
- In-Cabinet Incipient Detection Credit
- Reviewing Defense-In-Depth/Safety Margin
- Configuration Control & Monitoring
- FPRA Uncertainties Calculation
- Non-Pilots LAR submittals; Quality & Content

**5:00 PM: Adjourn**

ENCLOSURE

**NFPA 805 Public Workshop  
June 19 & 20, 2008  
AGENDA**

**June 20: 8:30 AM: Welcome Again**

**Pilot Transition**

- Shearon Harris LAR Submittal Lessons Learned
- Oconee LAR Submittal Lessons Learned
- NRC Review of Pilot Plant Submittals
  - NFPA 805 Standard Review Plan
  - LAR Acceptance Review
  - Site Visit/Audit
- Significant Transition (Parking Lot) Issues
- NRC Review of the FPRA
  - Realistic LAR Total Fire Core Damage Frequency (CDF)/Large Early Release Frequency (LERF) Estimates (Pre- & Post Transition)
  - Calculating Delta CDF/LERF (Going Forward/Fully Compliant/Baseline FPRA)
  - FPRA Quality
  - NEI Peer Review Guide
  - American Nuclear Society/American Society of Mechanical Engineers Fire Standard and Regulatory Guide 1.200
  - Internal Events Model
  - Staff Review Lessons Learned
  - Industry Peer Reviews
  - Reporting Facts & Observations (F&Os) and Findings
- Change Evaluations (transition and post-transition)
  - Staged Approach for Calculating Delta-CDF

**12:00 Noon: Adjourn**

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