

USNRC **RIC** 2016
U.S. Nuclear Regulatory Commission
 Promoting High and Safe Performance

A Look at Experience Implementing Risk-Informed, Performance-Based Fire Protection Programs

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Alexander Klein, P.E.
 Fire Protection Branch, Branch Chief
 Division of Risk Assessment
 Office of Nuclear Reactor Regulation
 U.S. Nuclear Regulatory Commission

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What is NFPA 805?

National Fire Protection Association (NFPA) 805 Standard, "Performance-Based Standard for Fire Protection for Light Water Reactor Electric Generating Plants"

A voluntary alternative to the existing deterministic fire protection requirements.

Risk-informed, performance-based fire protection, under 10 CFR 50.48(c), considers **risk insights** and relies on a **required outcome**.

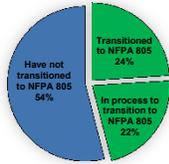



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Status of NFPA 805 License Amendment Request Reviews

U.S. Nuclear Power Plants



As of January 2016

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List of U.S. Nuclear Power Plants That Have Transitioned to NFPA 805

- Shearon Harris
- Oconee, Units 1, 2, and 3
- Duane Arnold
- DC Cook, Units 1 and 2
- Callaway
- Cooper
- Fort Calhoun
- Nine Mile Point, Unit 1
- Brunswick, Units 1 and 2
- V.C. Summer
- Arkansas, Unit 2
- Palisades
- Farley, Units 1 and 2
- Turkey Point, Units 3 & 4
- Browns Ferry, Units 1, 2, 3
- Ginna

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List of U.S. Nuclear Power Plants in the Process to Transition to NFPA 805

- St. Lucie, Units 1 and 2
- Point Beach, Units 1 and 2
- McGuire, Units 1 and 2
- Catawba, Units 1 and 2
- Robinson, Unit 2
- Calvert Cliffs, Units 1 and 2
- Diablo Canyon, Units 1 and 2
- Waterford, Unit 3
- Beaver Valley, Units 1 and 2
- Prairie Island, Units 1 and 2
- Arkansas, Unit 1
- Davis Besse, Unit 1
- Hatch, Units 1 and 2

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Session Panelists:

- ❖ Thomas D. (Dan) Gatlin, Vice President, Nuclear Operations, VC Summer Unit 1, South Carolina Electric and Gas
- ❖ Robert Rishel, Director, Nuclear Engineering PRA, Duke Energy
- ❖ Francisco Joglar, Senior Consultant, Jensen Hughes
- ❖ Harold Barrett, Senior Fire Protection Engineer, NRR/NRC

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