



Nuclear Regulatory Commission  
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NRC000080

**STATEMENT OF PROFESSIONAL QUALIFICATIONS OF BRUCE J. MUSICO**

Current Position

Sr. Emergency Preparedness Specialist  
 Division of Preparedness and Response  
 Office of Nuclear Security and Incident Response  
 U.S. Nuclear Regulatory Commission

Education

J.D., Franklin Pierce Law Center, Concord, NH 1992  
 B.S., Nuclear Engineering, University of Michigan, Ann Arbor, MI 1976

Professional Affiliations

American Nuclear Society  
 Bar Admission – Pennsylvania & Washington, D.C.

Qualifications

Mr. Musico is a nuclear engineer with over 25 years experience in the commercial nuclear power and related industry, including approximately 20 years relating to nuclear reactor emergency planning (EP). This EP experience included work in virtually all facets of reactor emergency preparedness and response; including substantial experience performing a variety of EP work for nuclear utilities, local, State and Federal governments, and Canadian nuclear licensing work. Prior to joining the NRC in 2002, Mr. Musico had a private consulting and law practice providing counsel to governmental agencies and legislators in the area of nuclear power operation, regulation, and decommissioning.

NRC Experience

*Combined Licenses (COLs)* – Principal staff reviewer for the emergency planning information submitted in the Vogtle COL and North Anna COL applications.

*Early Site Permits (ESPs)* – Principal staff reviewer for the emergency planning information submitted in the North Anna ESP application, and author of Section 13.3, “Emergency Planning,” of the associated Safety Evaluation Report (SER) (NUREG-1835, September 2005). Principal staff reviewer for the emergency planning information submitted in the Vogtle ESP application.

*Standard Review Plan (SRP)* – Author of Section 13.3, “Emergency Planning,” of the March 2007 update to the Standard Review Plan (NUREG-0800). Creator of the emergency planning Inspections, Tests, Analyses, and Acceptance Criteria (ITAAC), contained in SRP Section 14.3.10, “Emergency Planning – Inspections, Tests, Analyses, and Acceptance Criteria.”

*Regulatory Guide (RG) 1.206* – Author of Section 13.3, “Emergency Planning,” and related guidance in RG 1.206, “Combined License Applications for Nuclear Power Plants (LWR Edition).”

*ESP Review Standard (RS)-002* – Author of Section 13.3, “Emergency Planning,” of NRC RS-002, “Processing Applications for Early Site Permits.”

*New Reactor Licensing Final Rule (10 CFR Part 52)* – Principal author of various revisions to emergency planning regulations associated with new reactor licensing under 10 CFR Part 52, “Licenses, Certifications, and Approvals for Nuclear Power Plants.”

*NRC Incident Response Organization* – Member of the NRC Headquarters Protective Measures Team, associated with NRC response in support of nuclear reactor emergencies.

#### Non-NRC Experience

*Counsel* – New Hampshire Nuclear Decommissioning Financing Committee

*Reactor Licensing Engineer* – Ontario Power Generation, Toronto & Pickering Nuclear Station

*Reactor Licensing Engineer* – Commonwealth Edison Co., Zion Nuclear Station

*Counsel* – Maryland NRC Agreement State Nuclear Materials Licensee

*Emergency Planning Consultant* – Impell Corporation

*Emergency Planning Manager* – Illinois Department of Nuclear Safety

*Radwaste System Designer* – Sargent & Lundy Engineers

*Reactor Startup and Operations Engineer* – VEPCO, North Anna Unit 1

#### Publications

“Getting It Right–New Hampshire’s State-of-the-Art Nuclear Decommissioning Law,” (principal author) *Radwaste Solutions*, Nov/Dec 2001