

Thomas L. Fredrichs

Statement of Professional Qualifications

Current Position: **U.S. Nuclear Regulatory Commission**
Senior Level Advisor for Licensee Financial Policy
Office of Nuclear Reactor Regulation
Division of Inspection and Regional Support

- Employ 14 years of experience in regulatory oversight of reactor and materials licensees in licensing, rulemaking, inspection, enforcement, policy, and public outreach
- Serve as staff expert to the Commission on the evaluation of reactor licensee financial qualifications and policies associated with electric industry restructuring and deregulation
- Provide technical advice, assistance and recommendations to the Office of Nuclear Reactor Regulation (NRR) management, Commissioners and staff, and other NRC offices, on issues related to licensee financial qualifications and performance concerning decommissioning funding, license transfers, license applications, financial, economic, and insurance principles, corporate finance, financial markets, and the NRC mission
- Prepare written testimony for licensing hearings and provide technical support in enforcement proceedings
- Serve as team leader for response to U.S. Government Accountability Office (GAO) Audit of NRC's Oversight of Decommissioning Funding in 2011, including preparing comments on GAO statement of facts; serving as contact for historical, technical, regulatory, policy and financial bases of NRC financial assurance program implementation and development; coordinating responses from NRC Regional offices, the Office of Investigations (OI), the Office of General Counsel (OGC), the Office of Nuclear Reactor Regulation (NRR), and the Office of Federal and State Materials and Environmental Management (FSME)
- Prepared the technical basis for amending the financial assurance rules in 10 CFR Parts 30, 40, 50, 70, and 72 to reduce the likelihood that any currently operating nuclear facility will become a legacy site without adequate funds to complete decommissioning (financial assurance recommendations were implemented in the June 2011 Decommissioning Planning Rule)
- Testified on decommissioning financial assurance before the Commission and in other proceedings, including providing an affidavit on the NRC's handling of financial assurance in a bankruptcy case involving a materials licensee
- Testified on behalf of the U.S. government on NRC decommissioning funding requirements in a lawsuit brought by Entergy Nuclear Operations, Inc. to obtain tax credits related to decommissioning funds involved in the license transfer of the Pilgrim Station from Boston Edison to Entergy

- Organized comprehensive Decommissioning Funding Workshop with distinguished speakers from the financial community, Federal and State agencies, nuclear professionals, and the industry to obtain stakeholder input to prepare options for the Commission on applying discounting techniques to the valuation of financial assurance instruments, which required synthesizing a large amount of complex information from 13 presentations, extensive written comments, and over 500 pages of transcripts into a concise set of options for Commission consideration

Prior Positions: U.S. Nuclear Regulatory Commission

- Senior Environmental Project Manager, Calvert Cliffs Unit 3 (NRO)
- Financial Analyst (FSME)
- Resident Inspector, Monticello Nuclear Generating Plant (NRR)
- Decommissioning Project Manager, Connecticut Yankee (NRR)

Wisconsin Electric Power Company

Point Beach Nuclear Plant, Wisconsin

- Served 13 years in successively responsible positions as radioactive waste engineer, project engineer, shift technical advisor, and Chemistry Manager
- Participated as the Peer Review Member in audit of the North Anna Nuclear Plant performed by the Institute of Nuclear Power Operations (INPO)
- Participated as active member of the Electric Power Research Institute (EPRI) Secondary Water Chemistry Guidelines Committee from 1983 to 1993, which recommended best practice water chemistry principles for the nuclear electric power generation industry
- Extended the operational life of Unit 2 steam generators by 14 years by implementing the EPRI secondary water chemistry program at Point Beach Nuclear Plant

MetLife

Chicago, IL

- Served as investment and insurance advisor

Education: George Washington University School of Law

Juris Doctor

University of Chicago

Masters of Business Administration, Finance

University of Wisconsin-Madison

Bachelors of Science, Chemical Engineering