

**James P. Bongarra, Jr.**  
**Statement of Professional Qualifications**

**CURRENT POSITION**

Senior Engineering Psychologist  
Operator Licensing and Human Performance Branch  
Division of Construction Inspection and Operational Programs  
Office of New Reactors  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

**EDUCATION**

M.A. Connecticut College, Experimental Psychology  
B.A. Boston College, Psychology

**PROFESSIONAL**

American Psychological Society, Associate Member  
Human Factors and Ergonomics Society, Member  
Institute of Electrical and Electronics Engineers, former member  
Certified Human Factors Professional, Board of Certification in Professional Ergonomics, Inc.  
Reactor Technical Reviewer Qualification, NRC, 2007

**QUALIFICATIONS**

James Bongarra has been with the NRC since 1984. Currently, he is in the NRC's Office of New Reactors and is responsible for developing and implementing NRC policies and programs related to human performance activities that effect nuclear power plant safety for new plant designs. He is the NRC's principal human factors engineering (HFE) reviewer for the AREVA European Pressurized Reactor (EPR) new plant design, was the principal HFE reviewer for the certified Westinghouse AP600 and AP1000 Advanced Pressurized Water Reactor (PWR) Reactor designs and a lead HFE reviewer for the General Electric-Hitachi Economic Simplified Boiling Water Reactor (GEH ESBWR) design certification.

For the NRC's Office of Nuclear Reactor Regulation, he evaluated the HFE design of operating power plant control rooms and local control stations; provided technical expertise for operating license amendment requests, event investigations and special inspections; reviewed emergency operating procedures and related industry technical guidelines; and coordinated research projects related to human performance issues.

In 1972, Mr. Bongarra began his human factors professional career with the Bechtel Power Corporation as a field engineer and training coordinator at power plant construction sites. In 1978, he became a HFE consultant specializing in instructional program design, information technology and human-system design issues. He worked with a variety of government and

private industry clients including the Military Services, Bureau of Mines, the Electric Power Research Institute, the Institute of Nuclear Power Operations, and electric utility clients.

In addition to his academic degrees, Mr. Bongarra has completed several NRC-sponsored training courses in power plant theory and operations, authored or co-authored over 25 technical papers and made numerous presentations to professional conferences.