



**Robert N. Ferguson PE**

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## **SUMMARY**

Mr. Ferguson has fifty years of diverse, in-depth experience in the nuclear industry. Mr. Ferguson's expertise includes management and independent third party assessment of quality and nuclear safety programs, reactor operations, design engineering, project management, and corporate management with Department Of Energy, Nuclear Regulatory Commission and other regulated companies in the USA and Canada.

## **PROFESSIONAL EXPERIENCE**

Mr. Ferguson has extensive experience in all aspects of quality assurance/independent assessment, nuclear safety, regulatory compliance, and operations, ranging from serving as Idaho National Laboratory (INL) Oversight Administrator for the State of Idaho in 1995 to serving as the Vice President Nuclear Quality for a major nuclear utility company in 1997. He also supported extensive process review and improvement activities at the Los Alamos National Laboratory. In 2001-2002 he performed quality assurance management assessments for DOE in support of the NRC licensed Yucca Mountain Project. He has a proven ability to integrate multi-participative teams for the purpose of managing and assessing very large and complex programs within both governmental and private sectors. In 2008, he led an Independent Performance Evaluation of the Lawrence Livermore Laboratory's National Ignition Facility Quality Program.

During 1997, Mr. Ferguson served as Vice President, Nuclear Quality for Ontario Hydro Nuclear. In this capacity, he served as part of a four person team that managed a major Independent Integrated Performance Assessment (IIPA) of the 20 nuclear plant operation over a period of six months which led to the development of a nuclear recovery plan budgeted well in excess of \$1Billion US.

The IIPA was modeled on the USNRC Procedure 93808 "Integrated Performance Assessment Process". Subsequently a detailed implementation plan was developed with performance standards based largely on INPO 97-002 "Performance Objectives and Criteria". The scope of the IIPA also included six Safety System Functional Inspections (SSFI's) of specific plant systems and/or programs, modeled on USNRC Procedure 93801 "Safety System Functional Inspection" process.

In December 1998 to February 2000, Mr. Ferguson served as Vice President, Nuclear for Ontario Hydro/Ontario Power Generation (OPGN). In this capacity, he reported to the Senior VP - Nuclear Performance Advisory Group, and the Chief Nuclear Officer for special assessments and mentoring activities.

In 1999, Mr. Ferguson served as Vice President Technical Support of OPGN. In this capacity, he was responsible to the Chief Nuclear Officer for the management of Health and Safety,



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Environmental Affairs; Materials Management; Health Physics; Emergency Management; Security and Safeguards; Fire Protection Programs; and Programming.

Mr. Ferguson was also responsible for the concept, formation and startup of the OPGN independent Nuclear Environmental Advisory Group modeled after the DOE federally chartered Site Specific Advisory Boards.

During 1995-1996, Mr. Ferguson served as the INL Oversight Administrator for the State of Idaho reporting directly to the Governor. In this capacity, he managed the comprehensive nuclear oversight program of the Idaho National Laboratory (INL). This included all INL activities of DOE, the US Navy and their contractors as well as interfacing with the US Environmental Protection Agency. The mission of the program was to provide to the Governor, the State Legislature and the public unbiased information and independent technical analysis of the INEEL data and related issues. This position required a US Department of Energy Q level Security Clearance.

From 1981 to 1994, Mr. Ferguson provided independent assessment and management consulting to United States and foreign nuclear utility companies with the primary goal of enhancing the safety of their operations. This involved most areas of constructing, operating, and managing commercial BWR and PWR nuclear power plants. During this time, he served as the Senior Management Representative on the Off-Site Nuclear Safety Review Committee for the Illinois Power Company's Clinton Nuclear Power Plant.

**EDUCATION:**

- BS in Mechanical Engineering, University of Wyoming, 1960
- M.B.A., in Business Administration, University of Idaho, 1972
- PE, State of California, Quality Engineer (QU 413)

**PROFESSIONAL ASSOCIATIONS:**

- American Nuclear Society
- National Society of Professional Engineers
- American Society of Mechanical Engineers