

Ronald J. Stevens, P.E.

EXPERIENCE SUMMARY

Mr. Stevens has over 33 years experience in Nuclear and Environmental Regulatory support, Nuclear and Mechanical Engineering, Quality Assurance, and Senior Management of Licensing and Regulatory Support Organizations, as related to nuclear power generating facility design, construction, and operation; nuclear power plant decommissioning, Independent Spent Fuel Storage Installation (ISFSI) design and licensing, and design and licensing of ventilated dry storage casks for spent nuclear fuel. Experience includes Yucca Mountain Project site characterization, design, and licensing, senior management consulting, Price Anderson Amendments Act (PAAA) program implementation, and the Hanford Tank Farms. Mr. Stevens has extensive experience in interacting with regulatory agencies; in U.S. Nuclear Regulatory Commission (NRC) regulations; in U.S. Department of Energy (DOE) regulations; and in Deming's Statistical Process Control and Total Quality Management systems, teaching, and implementation.

DETAILED EXPERIENCE

Mr. Stevens is currently providing senior project manager consulting services to Sandia National Laboratories, the Lead Laboratory for the post closure science activities on the Yucca Mountain Project, as the Lead Laboratory Senior Advisor for Nuclear Safety Culture and Quality. Mr. Stevens supported the development and implementation of the Quality Assurance Program Description, organization, and infrastructure for the Lead Laboratory during the transition from Bechtel SAIC Company to Sandia, and he managed the Lead Laboratory Quality Assurance organization for two years until becoming the Senior Advisor.

Prior to this assignment, for over three years, Mr. Stevens was the Director, Nuclear Safety and Licensing, for CH2M HILL Hanford Group, Inc., responsible for maintaining the Hanford Tank Farm Contractor safety bases and for interacting with the DOE Office of River Protection. For almost two years prior to this position, Mr. Stevens provided senior management consulting services to CH2M HILL Hanford Group, Inc., and the DOE Office of River Protection.

Mr. Stevens was responsible for conducting an assessment of Price Anderson Amendments Act program implementation at a DOE facility. The assessment included a review of implementing procedures, a review of past documented conditions adverse to quality for PAAA reportability, and recommendations for actions to improve the effectiveness of the program.

Mr. Stevens provided support to the DOE at the Yucca Mountain Project through Bechtel SAIC Company as the Manager of Requirements Management, through Science and Engineering Associates as the Department Manager for Configuration Management and Process Improvement, and as a senior management consultant, in support of the Site Recommendation

and License Application for the proposed Yucca Mountain Geologic Repository. He conducted the root cause analyses for the Project's five significant conditions adverse to quality related to software, procurement, models, data qualification, and data traceability, identifying corrective actions to preclude recurrence. He was responsible for managing the preparation of DOE/NRC Management/Quality Assurance meetings and presented the results of the root cause analyses to the NRC in one of those meetings. He was recognized by the DOE for his contribution to these meetings. Mr. Stevens also presented the root cause analyses to the Nuclear Energy Institute (NEI). He was a key contributor in the Project's Process Validation and Re-engineering process, which targeted the Project's most important processes, and made them more efficient and effective. He developed the Project's Lessons Learned process to provide the framework for identifying problems/issues that occurred elsewhere to prevent their occurrence on the Project, and for identifying good practices that should be replicated on the Project. Mr. Stevens, in conjunction with the M&O Training Department, developed the Regulatory and Licensing Training Program, and provided the training to over 600 individuals, including the M&O, DOE, NRC, NEI, the USGS, and the national laboratories. Mr. Stevens was also instrumental in developing the Nuclear Culture Initiative, which provided the goals and expectations for transition from a science/research culture to a regulatory culture.

Mr. Stevens provided Nuclear Licensing and Design Engineering services to Portland General Electric Company at the Trojan Nuclear Plant in support of Trojan's decommissioning and in support of the design, verification, and licensing of Trojan's Independent Spent Fuel Storage Installation. He also provided nuclear licensing and design engineering services on behalf of Portland General Electric at Sierra Nuclear Corporation (the spent fuel dry storage cask designer).

Mr. Stevens was responsible for the Carolina Power and Light Company's Corporate Regulatory Affairs staff and for developing regulatory positions on generic issues affecting Harris, Robinson, and Brunswick Nuclear Plants.

Mr. Stevens, as Arizona Public Service Company's Director of Regulatory and Industry Affairs, was responsible for directing the activities of the Nuclear Regulatory Affairs, Industry Affairs, and Environmental, Health and Safety departments (approximately 60 personnel and an annual budget of approximately \$19.5 million) for Palo Verde Nuclear Generating Station, Units 1, 2 and 3. While in this position, Mr. Stevens was successful in creating a culture within his organization for quality products and services. The NRC recognized in their SALP report significant improvement in the quality and content of licensing submittals. Mr. Stevens enhanced the regulatory interface by frequent interactions with the NRC and open and candid communication.

Mr. Stevens was the senior licensing manager responsible for TVA's Licensing Program for Watts Bar Nuclear Plant. The scope of his responsibility involved a department of approximately 40 personnel, and an annual budget of approximately \$4.5 million. Mr. Stevens was successful in developing the Watts Bar Technical Specifications well in advance of the

scheduled completion date. Mr. Stevens established positive interactions with the NRC at Headquarters and the regional office.

Mr. Stevens was responsible for planning, coordinating, and managing Florida Power and Light Company's Nuclear Licensing Program for St. Lucie Units 1 and 2, and Turkey Point Units 3 and 4. Mr. Stevens obtained the Operating License for St. Lucie Unit 2 essentially on schedule and within budget. During Mr. Stevens' assignment at FPL, he worked closely with the Japanese counselors retained by FPL to teach Deming's statistical process control and total quality management systems. Mr. Stevens was selected by corporate executives to present to the Policy Deployment Committee; he was a frequent presenter at the Presidential Reviews and was chosen to present to the Japanese Union of Scientists and Engineers examination board during FPL's Deming examination. FPL won the Deming award in 1989. Also during Mr. Stevens' tenure with FPL, he was the project manager for the independent management assessment of FPL's continuing performance problems. This project was managed under strict NRC protocol, and it provided the roadmap for FPL's nuclear regulatory culture and performance excellence.

Mr. Stevens was responsible for preparation and review of piping design specifications and system descriptions, for coordination of vendor documentation, and for coordination of, and response to, NRC staff questions on 10CFR50 Appendix R compliance and the Final Safety Analysis Report for the Perry Nuclear Power Plant. Mr. Stevens was responsible for identification, coordination and resolution of technical and licensing related matters between the engineering organization and the utility; evaluating work progress and identifying potential slippage prior to deadlines; coordination of advance review of work packages; and various studies/recommendations regarding Three Mile Island Unit 1 restart.

Mr. Stevens was a Bechtel-certified auditor responsible for conducting quality assurance audits and periodic monitoring/surveillance activities at the Limerick Nuclear Station construction site.

Mr. Stevens was responsible for Metropolitan Edison Company's nuclear quality assurance special projects and the supervision of two Nuclear Licensing Engineers in all TMI-1 nuclear licensing matters, including FSAR and Technical Specification Amendments, routine and non-routine reports required by regulatory agencies, nuclear plant generic concerns, nuclear reactor core reload submittals, ASME Section XI Inservice Inspection program, Fire Protection program, and Physical Security program.

EDUCATION

Pennsylvania State University - BS Degree in Nuclear Engineering (with High Distinction)
Keller Graduate School of Management - Graduate courses for MBA

PROFESSIONAL ENGINEER

Pennsylvania (PE-030120-E) and Arizona (26197)