



KEVIN KENNEDY & ASSOCIATES, INC.

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RESUME OF RICHARD W. (RICK) SWAYNE

Mr. Swayne has worked as a metallurgist, welding engineer, quality assurance manager, and consultant, in the pressure vessel and piping industry, since 1975. He has experience in design, fabrication, and operation of various power and refinery plant components, including nuclear power. His background includes valve design and application, welding and materials engineering, and quality assurance program management for construction and operation. He has been involved in engineering reviews, material selection and application, quality assurance auditing and system development, and personnel training. He is an expert in inservice inspection, inservice testing, repair/replacement/modification programs in operating nuclear power plants, and construction of spent fuel storage and transportation vessels. His expertise includes welding procedures and qualifications for ASME Code applications. He has assisted many organizations in preparation for new and renewal ASME Certificates of Accreditation and has participated in many ASME and National Board Accreditation Surveys. Mr. Swayne has worked extensively in boiler and pressure vessel litigation as a support to Mr. Roger F. Reedy's testimony as an expert witness.

Mr. Swayne has been an active participant since 1977 as a member of ASME and ASTM nuclear and nonnuclear Codes and Standards Committees. He has served as a consultant to utilities, architect/engineers, manufacturers, and material manufacturers and suppliers. He is a Qualified Lead Auditor, and was a Qualified Level II Examiner in magnetic particle, liquid penetrant, and radiographic examination methods.

Mr. Rick Swayne taught several courses in valve design and application for Anchor/Darling Valve Company between 1976 and 1980. He taught courses in preparing for ASME Accreditation Surveys and in nuclear material procurement several times between 1981 and the present. He has conducted at least 25 training courses in ASME Section XI inservice inspection since 1994, both under contract to ASME Professional Development and for Reedy Engineering. He has performed this training in public courses and in private classes for many U.S. and foreign nuclear power plant licensees. Mr. Swayne has trained hundreds of individuals in the ASME Section XI requirements, including dozens of NRC staff members. Mr. Swayne has been consistently rated by his students as excellent in his knowledge of the subject matter and good or excellent in other areas related to his presentation of inservice inspection course materials. Mr. Swayne has assisted NEK Krsko in development of their last two inservice inspection programs. He has also consulted for many U.S. nuclear licensees in application of their inservice inspection programs.

Professional Experience

- American Society of Mechanical Engineers (ASME), Member since 1975

- Board on Nuclear Codes and Standards, Member since 2000
 - Boiler and Pressure Vessel Committee, Member since 2003
 - Section II, Subcommittee on Material Specifications, 1984 - 1988
 - Section III Subgroup on Materials, Secretary 1979 - 1985
 - Joint Task Group on Toughness for Nuclear App's, 1979 - 1985
 - Section XI, Subcommittee on Nuclear Inservice Inspection, Vice Chair 2005, Member since 1984
 - Subgroup on Repair/Replacement Activities, Chair since 2003, Member since 1988
 - Working Group on Design Reconciliation, Member since 1991
 - Task Group on Procurement Issues, 1992 - 1997
 - Working Group on Responsibilities and Program Requirements, 1990 - 1991
 - Working Group on Repair Welding, 1985 - 1990
 - Special Working Group on Editing and Review, Chair from 1995, Member since 1982
 - Executive Committee, Chair 2005, Member since 1994
 - Task Group on Erosion/Corrosion Evaluation, 1993 - 1994
 - Task Group on Leakage Issues, Chair from 1993 - 1997
 - Subgroup on Nondestructive Examination, 1984 - 1988
- American Society for Testing and Materials (ASTM), 1979 - 1990
- American Society of Metals (ASM), 1979 - 1985

Employment

2007 – Present. Consultant, Kevin Kennedy & Associates, Inc.

Providing expertise in metallurgy, welding engineering, quality assurance management, boiler and pressure vessel codes, spent fuel storage and transportation equipment fabrication and design, expert witness testimony, and related expertise to a wide variety of clients.

1981 - present REEDY ENGINEERING, INC. (Also Reedy Associates; Reedy, Herbert, Gibbons, and Associates; and R.F. Reedy, Inc.) Campbell, CA
Principal Consultant

Mr. Swayne has provided consulting services to utilities in the areas of inservice inspection, metallurgy, welding, fabrication, NDE, ASME and National Board Certification and Accreditation Surveys, construction and operations quality assurance, ASME Codes and Standards, and USNRC regulations. He is currently participating on ASME Boiler and Pressure

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Vessel Code Committees and in writing a commentary on changes in the ASME Code. Mr. Swayne has worked for the last six years in design and fabrication of spent fuel storage and transportation equipment, working for designers, fabricators, and utilities. He chaired an ASME Code Committee Task Group on Inservice Inspection of spent fuel storage and transportation equipment.

Mr. Swayne has worked extensively and effectively in reconciliation of changes in ASME Code and Design Specification requirements. In addition to his involvement on ASME Subcommittee XI, Mr. Swayne is providing recommendations and direction to utilities on ASME Code and regulatory issues that pertain to metallurgy, engineering, quality assurance, licensing, preservice and inservice inspection, and repair/replacement/modification programs in operating nuclear and nonnuclear power plants. Mr. Swayne's participation on ASME Subcommittees II, III, and XI has provided a background that has enabled him to effectively evaluate ASME Section XI inservice inspection, repair/replacement/modification, and quality assurance programs, for cost-effectiveness and Code and regulatory compliance. Mr. Swayne has delivered many courses on Code reconciliation, procurement and applications of materials, and Section XI inservice inspection and repair/replacement/modification activities.

1980 - 1981 NUCLEAR TECHNOLOGY, INC.
San Jose, CA
Senior Consultant

Mr. Swayne served as an ASME Code consultant to utilities, architect/engineers, and design engineers. His duties included internal quality assurance and training programs. He also participated in writing a commentary on ASME Code changes.

1975 - 1980 ANCHOR/DARLING VALVE COMPANY
Williamsport, PA and Hayward, CA
Quality Engineer, Staff Metallurgist & Welding Engineer, Quality Assurance Manager

Mr. Swayne's experience included metallurgical and welding engineering and quality assurance management. As a Quality Engineer, he was involved in project quality surveillance, nondestructive examination, and vendor auditing, both domestically and overseas. Mr. Swayne was qualified as a Lead Auditor in accordance with ANSI N45.2.23.

As Staff Metallurgist and Welding Engineer, he was responsible for overseeing corporate welding programs, material selection activities, and training, to ensure compliance with applicable Codes and Standards. Mr. Swayne taught courses to utilities and architect/engineers in valve design and application.

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As Quality Assurance Manager, he guided the organization through a successful ASME Survey.

1970 - 1974 STRUCTURE PROBE, INC.
West Chester, PA and Metuchen, NJ
Laboratory Director

Mr. Swayne was a laboratory director and principal metallurgist reporting to the President. His duties included technical supervision of operations, materials research and development, material applications, and failure analysis. He coauthored a paper on diffusion of thin metallic coatings on ceramics.

Education

B.S., Mechanical & Aerospace Engineering, Materials Option, University of Delaware,
1972