

John P. Swezy Jr.

Education and Training:

- Associate of Science, University of the State of New York, Sept.1990
- Extensive US Navy and Civilian Technical Training (full documentation available on request)

Professional Certifications:

- National Board Commissioned Boiler and Pressure Vessel Inspector
 - Commission No: 11174 with “A” Endorsement , 1991; “B” Endorsement in 1993
 - Reciprocal Boiler and Pressure Vessel Inspector commissions previously held in the States of IL, IN, OH, KY, TN, VA, NC, WV, MI, IA, GA, FL, UT and NY.
- American Welding Society Certified Welding Inspector (CWI) Certificate Nos: 97110801 and 09061291

General Experience:

- Over 35 years experience in steam and combustion driven prime mover electrical generation plants and associated engineering auxiliary systems (see ***Accomplishments*** below)
- Over 20 years experience in developing and implementing detailed procedures, work instructions, and QC programs for design, welded fabrication, repairs, and alterations of pressure equipment following ASME, B31, NBIC, API, DOT and various International Codes and Standards
- Development and management of Pressure Equipment Inspection and Safety program at Oak Ridge National Laboratory, including Certification as a Federal Inspection Agency by the National Board

Employment History:

United States Navv. Submarine Service

January 1975-June 1990 Mechanical/Engineering Supervisor, Nuclear Submarines (E-7)

Kemper National Insurance Companies

October 1990-August 1996 National Board Commissioned Boiler & Pressure Vessel Inspector/Supervisor
August 1996-July 1998 ASME/NBIC Codes and Standards Technical Specialist.

Hartford Steam Boiler Inspection and Insurance Companies

July 1998-August 2000 ASME/NBIC Codes and Standards Technical Specialist.
August 2000-July 2001 Regional Supervisor, Code Inspection Services (ASME/NBIC)

Patch Construction, LLC

July 2001-December 2002 Manager, Quality Assurance/Quality Control

Hartford Steam Boiler of Connecticut, HSB Global Standards

December 2002-June 2008 Senior Code Consultant (ASME/NBIC Codes & Standards Technical Staff)

UT Battelle (ORNL)

June 2008-April 2010 Codes and Standards Engineer, Neutron Sciences Directorate, SNS, NFDD
May 2010-December 2013 Mechanical Engineer, Fabrication Hoisting and Rigging Division

Boiler Code Tech, LLC

December 2008-Present Founder/Independent Consultant (ASME Non-Nuclear Pressure Equipment)

Major Accomplishments:

- **Served over fifteen years in the Submarine Service as a Submarine Nuclear Machinists Mate**
 - Qualified as a Nuclear Power Plant Mechanical Operator, Nuclear Engineering Watch Supervisor, Nuclear Repair Facility Mechanical Supervisor, Nuclear Repair Planning, SUBSAFE and Nuclear (NAVSEA 08) QA Supervisor, Radiological Controls Monitor, and Classroom Instructor
 - Completed an S5W Submarine reactor core refueling overhaul through pre-critical startup testing as the Machinery Division Leading Chief Petty Officer
 - Experience with the design, fabrication, operations, maintenance, troubleshooting and repairs of nuclear and conventional (steam and combustion) power generating plants; including steam turbines, pressure vessels, heat exchangers, piping systems, valves and pumps; and auxiliary engineering equipment such as hydraulic and pneumatic power transfer systems, HVAC, and refrigeration systems

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- **Over 20 years of experience as a National Board Commissioned Boiler and Pressure Vessel Inspector, Inspector Supervisor, and Codes and Standards Technical Specialist**
 - Code Inspection Services Supervisor for 14 Authorized Inspectors performing ASME Code and National Board R Stamp inspections serving over 140 Code fabricators and repair organizations in VA, NC, and SC
 - Marketing and customer relations responsibilities produced outstanding client satisfaction and earned two consecutive quarterly awards for productivity and profitability while generating \$1.4 million in revenue
 - Provided direction in developing and implementing ASME/NBIC QC programs for multiple clients seeking issuance or renewal of ASME and National Board Certificates of Authorization, with 100% success
 - Responded to over 6000 client requests for technical assistance in 5 years of service as a Staff Codes and Standards Technical Specialist; interpreting and applying ASME, NBIC, DOT, and various international pressure equipment Codes and Standards for an internationally diverse client base
 - Authored technical publications addressing technical requirements and engineering concepts including Technical Editing of the 1999 Edition Hartford Steam Boiler Technical Data Handbook and the 2004 Edition Hartford Steam Boiler's Basic NDE Handbooks
 - Developed and presented technical seminars on pressure equipment design, construction, inspection, operation, repair, and related engineering topics to various groups, including ASME Team Leaders
- **Two years experience as the QA/QC Manager of a new mechanical contracting, engineering and construction company from start-up to operations**
 - Developed and implemented an ASME/NBIC QC Program for constructing Power Boilers, Pressure Vessels, Piping Systems and their repairs and alterations
 - Developed and implemented Construction QA Program (structural steel and concrete) addressing engineering design, material procurement, and vendor surveillance audits
 - Obtained a Boiler Contractor's license in the State of Kentucky
 - Developed, qualified and maintained several ASME/NBIC welding procedures, conducted welder performance qualification testing, and maintained performance qualification records for over 50 welders
 - Developed NDE procedures for surface examination techniques; trained, qualified and supervised NDE surface examination personnel qualifications in compliance with ASME Section V requirements
- **ASME Codes & Standards Committee Member and participant since 1996** (*current or #former member)
 - Standards Committee on Power Boilers#; Subgroups Fabrication and Examination#, Design#, General Requirements, Piping
 - Standards Committee on Heating Boilers; Subgroup Welded Boilers
 - Standards Committee on Nondestructive Examination; Subgroups General Requirements, Personnel Qualification, and Inquiry*; Volumetric Examination#; and Working Group Radiography
 - Standards Committee on Pressure Vessels*; Subgroups Fabrication and Inspection*(Vice Chair), General Requirements#, and Toughness* (Vice Chair)
 - Standards Committee on Welding and Brazing*; Subgroups Procedure Qualifications, Performance Qualifications*, Brazing*, and Strength of Weldments*
 - Standards Committee on Transport Tanks#; Subgroups General Requirements#, Fabrication and Inspection#
 - 3055: International Materials Review Working Group*
 - Standards Committee on Process Piping (B31.3)*; Subgroup Fabrication, Examination and Testing (SG-E)*
 - Standards Committee on Piping (B31); Technical Committee on Fabrication and Examination*(Chair)
- **Independent consultant for ASME Code design, fabrication, quality control, welding and NDE**
 - Founded an independent ASME Code design and fabrication consulting business (currently operating under the name "Boiler Code Tech, LLC") performing ASME Code design calculations using MathCAD design calculation files for ASME Section I; Section IV; Section VIII, Division 1; and B31 piping systems
 - Expanded consulting service offerings to include general welding issues, QC program development, NDE, and CAD drafting using Solidworks software

Professional Memberships and Affiliations:

- American Society of Mechanical Engineers (since 1996)
- American Welding Society (since 1997)
- American Society for Nondestructive Testing (since 1997)

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Personal and Professional References: (more available upon request)

Philip D. Flenner, PE, Senior Welding Consultant
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Additional references available upon request