

Walter J. Sperko, P.E.

Sperko Engineering Services, Inc. President

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Sperko Engineering, founded in 1981, provides engineering consulting services to customers in the metal fabrication industries in the technical areas of welding, metallurgy, manufacturing processes, piping and pressure vessel design, inspection and quality assurance. Mr. Sperko also prepares and conducts training programs in piping, welding and metallurgy for The Center for Professional Advancement and ASME, as well as custom-tailored programs related to metal fabrication. Mr. Sperko is also the Technical Consultant to the National Certified Pipe Welding Bureau. In 2003, he founded Brazing Dimpler Corporation which supplies a patented tool that simplifies brazing of copper tube. See www.brazingdimpler.com.

1979 to 1981, Quality Control Manager

RECO North Carolina, Inc., a Division of Richmond Engineering Company Colfax, North Carolina 27235

Responsible for directing the technical and quality control programs for RECO North Carolina and two other division facilities and for technical support in design, code compliance, welding, metallurgy and steel fabrication methods for all divisions of Richmond Engineering in the construction of ASME nuclear and non-nuclear pressure vessels, non-nuclear piping and API-type storage tanks.

1974 to 1979, Manager, Welding Engineering and R&D

ITT Grinnell Industrial Piping, Inc. Kernersville, North Carolina 27284

Wrote and qualified all welding, fabrication, heat treating, and quality control procedures and provided technical support for the fabrication and erection of nuclear and conventional power piping and petroleum and chemical piping. Provided interface between customers and manufacturing by interpreting customer specifications and Codes and preparing procedures and standards accordingly.

1969 to 1974, Materials Engineer

Ebasco Services Inc. New York, New York

Performed various failure analyses of components, evaluated materials for compatibility with environment and for suitability for intended service for use in conventional and nuclear power generation systems. Provided metallurgical and welding support to piping and pressure vessel design group. Wrote materials, NDT and Quality Assurance Specifications. Conducted QA audits of vendor facilities and QA programs. Member of Ebasco Corporate QA Committee.

PROFESSIONAL LICENSE STATUS

Professional Engineer registered in North Carolina, New Hampshire and Ohio

PATENTS

US Patent 4932160, Quick-Opening Pressure Vessel Closure

US Patent 5072960, Loading Cart Method

July 2025

Walter J. Sperko, P.E.

US Patent 6269674 Tubular Fitting Tool and Method
US Patent 7013699 Pipe Fitting Tool and Method
US Patent 7481092, Dimpler and Method

PROFESSIONAL COMMITTEE MEMBERSHIP

AWS Technical Activities Committee (TAC)
AWS International Standards Activities Committee (ISAC), Chairman
AWS Committee D-10, *Piping and Tubing*, Past Chairman
AWS B2.2, Brazing Qualifications
ASME Boiler and Pressure Vessel Code

- Standards Committee IX (Welding, Brazing and Fusing), past-Chairman, member of several Subgroups
- Standards Committee IX/II, Subgroup on Strength of Weldments
- Standards Committee III, (Nuclear) Member and member of Materials, Fabrication and Examination Subgroup
- Board on Pressure Technology, Codes and Standards

ASME B31.9, *Building Services Piping*, Past-Chairman
ASME B31 Standards Committee, Member
ASME B31.3 Fabrication and Examination Subgroup, Member
ISO TC44 SC11 Welding Personnel Qualification, Chairman
ISO TC44 SC10 Unification of requirements in the Field of Welding, Member

LECTURING and TRAINING

- Course Director since 1983 for a highly successful three-day course, *ASME Section IX Decoded* under AWS sponsorship.
- Course Co-Director since 1978 for three-day course *Piping Design, Analysis and Fabrication* under the sponsorship of the Center for Professional Advancement, East Brunswick, New Jersey.

PUBLICATIONS

Published articles in *The Fabricator*, *Tube and Pipe Journal*, *Welding Journal* and other trade magazines regarding piping fabrication, installation and inspection issues and revisions to ASME Section IX (most recently in the July 2025 *Welding Journal*), many of which are posted on his web site. Co-author of piping design section of the Standard Handbook of Plant Engineering.

AWARDS

AWS Counselor, Class of 2006
ASME Fellow, Class of 2007
ASME Dedicated Service Award, 2009
ASME Standards Committee IX Distinguished Service Award, 2018
ASME B31 Forever Medal for Excellence in Piping, 2018
J. Hall Taylor Award, 2019
IIW Thomas Medal, 2021

EDUCATION

University of Notre Dame, Notre Dame, Indiana
B.A. 1968 - Engineering
B.S. 1969 - Metallurgical Engineering and Materials Science