

# **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 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](http://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.

# Walter J. Sperko, P.E.

## 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

US Patent 6269674 Tubular Fitting Tool and Method

US Patent 7013699 Pipe Fitting Tool and Method

US Patent 7481092, Dimpler and Method

## CODE COMMITTEE MEMBERSHIP

ASME Boiler and Pressure Vessel Code

- Subcommittee IX (*Welding and Brazing*), Chairman, member of several Subgroups
- Subcommittee IX/II, Subgroup on Strength of Weldments
- Subcommittee III, (Nuclear) Materials, Fabrication & Examination Subgroup

ASME B31.9, *Building Services Piping*, Past-Chairman

ASME B31 Standards Committee, Member

American Welding Society Committee D-10, *Piping and Tubing*, Past Chairman

AWS Technical Activities Committee (TAC), Second Vice-Chairman

AWS International Standards Activities Committee (ISAC), Chairman

## LECTURING and TRAINING

Course Director since 1983 for a highly successful three-day course, *Welding and Brazing per ASME Section IX* under the sponsorship of ASME.

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

Publishes articles in *The Fabricator*, *Tube and Pipe Journal*, *Welding Journal* and other trade magazines regarding piping fabrication, installation and inspection issues and ASME Section IX. Most recent article was in the August, 2010 issue of the *Welding Journal*. Co-author of piping design section of the Standard Handbook of Plant Engineering.

## AWARDS

AWS Counselor, Class of 2006

ASME Fellow, 2007

## EDUCATION

University of Notre Dame, Notre Dame, Indiana

B.A. 1968 - Engineering

B.S. 1969 - Metallurgical Engineering and Materials Science