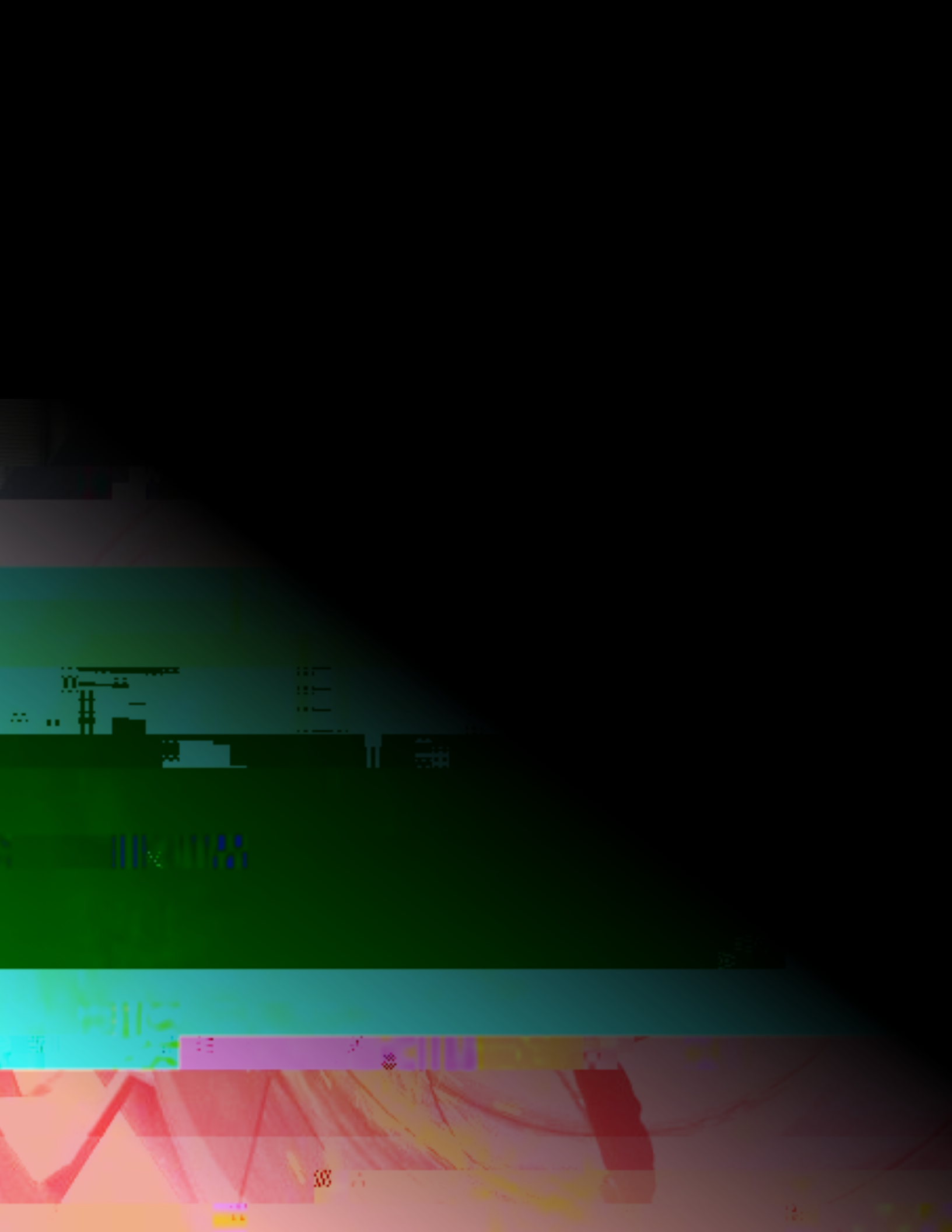

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Objectives and Description

This is a hybrid three-day course which will train the participants to achieve economical compliance with the requirements of ASME Section IX and examine the requirements of ASME B31.3 related to materials, fabrication and installation and inspection.

Participants will gain a working knowledge of ASME Section IX, Welding, Brazing and Fusing Qualifications with emphasis on code compliance. A review of the common welding processes and variables will be conducted in order to provide all participants with sufficient background in the technology involved to interpret and understand Section IX. The mechanics of using Section IX and how to address its requirements will be explained in a simple, straightforward manner. Emphasis will be placed on writing welding procedures so that they contribute positively to the manufacturing process and on qualifying those procedures in a cost-effective manner. The requirements for welders and operators will be examined with emphasis on minimizing the cost and maximizing the usefulness of qualifications.

The second part of the course will cover the materials, fabrication, installation, inspection and testing of piping following the requirements of ASME B31.3, Process Piping. Special emphasis will be place on code compliance for welded construction and inspection.

The seminar will be conducted in a lecture/discussion format with opportunity attendees to discuss specific concerns and issues. Attendees will receive copies of the course notes covering the course's content and should bring their own Section IX for reference.

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This course is intended for people who are involved in writing and qualifying welding and brazing procedure specifications, qualifying welders and operators, revie wing of suppliers procedures, auditing or reviewing in-house procedures and qualifications and estimating jobs which impose the requirements of Section IX and B31.3. W.M2 -1727 Tm /TT7 1 Tf (-) Tj ET Q q 0.24 4utv (+) 2 (,) 2 9 Tm /TT7 1 Tf [(o4utv (+) 2 (,) 2 3f (i) -2 (ng) -2 (i)

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Walter J. Sperko, P.E., is President of Sperko Engineering Services, Inc. which he founded in 1981. Mr. Sperko has extensive experience in welding engineering, metallurgical engineering, design, failure analysis, and quality assurance. His industrial experience is primarily with piping, pressure vessels, storage tanks and structural steel. He hold a BS in Metallurgical Engineering from the University of Notre Dame and is a professional Engineer registered in North Carolina and other states. He is a Fellow of the ASME and a Counselor of the AWS. He also founded Brazing Dimpler Corporation which markets tools for converting ASME B16.22 copper solder joint fittings to B16.50, braze joint fittings.

Mr. Sperko worked for E BASCO Services in the Materials Engineering and QA group, for ITT Grinnell Industrial Piping as manager of Piping Fabrication Technology and Standards and for Richmond Engineering Company as Corporate Welding Engineer and branch