

REMAINING STRENGTH OF CORRODED PIPE-

Historic and Current B31 G Criterion and RSTRENG, a Level 2 Procedure



Why: To provide assistance to pipeline operators and service companies by helping them comply with the Operator Qualification rule (49 CFR §192(N) and 49 CFR §195(G)). New Operator Qualification rules and recommended practices require that all personnel performing inspections and evaluations of the pipe are properly trained and qualified in each task. The RSTRENG® “Qualification” course being offered meets the needs of pipeline owner/operators and the service companies that work for them.

What: RSTRENG®, sometimes referred to as the “Effective Area Method” is a technology used for evaluating the remaining strength of a pipeline when exposed to corrosion. The DOT/OPS has approved B31G criterion and RSTRENG® as approved methods for use by pipeline owner/operators and the service companies that work for them. RSTRENG® is a B31G-2009 Level 2 method of evaluation intended to be performed by an engineer or technician with appropriate training.

The following short-course is being offered to personnel of pipeline owner/operator and the service/construction companies that work for them involved in the inspection and evaluation of pipeline corrosion.

The RSTRENG® training and certification course is a one (1) day course which will (1) provide a basic understanding of how the technology works, (2) summarize the techniques' benefits and limitations, (3) summarize the steps involved in performing an RSTRENG® evaluation, (4) overview of how to properly interpret results, what to look for, and lastly to review various case study results to assist in analyzing the data and quality control of the results.

For additional understanding of RSTRENG®, the course also addresses the use Of B31G-2009 Level 0 and Level 1 methods for evaluation of corroded pipe

Who: The Pipeline Research Council International, Inc. (PRCI) funded and is the Intellectual Property (IP) owner of the RSTRENG® technology. Technical Toolboxes, Inc. (TTI) is the exclusive strategic partner of PRCI responsible for the commercialization of PRCI technology. TTI is now offering “Official” RSTRENG® training.

Instructor: Wayne Wildenradt, BSCE, Purdue University; MBA University of Wisconsin ; Texas Professional Engineer #33030, Texas Registration to offer and perform engineering services #F-2773. Forty- eight (48) years global experience in the design, engineering and project management services for oil, gas and refined product systems and components. In addition, Mr. Wildenradt was an Instructor, Economics of Pipeline Transportation at the University of Texas School of Pipeline Technology.

Price: \$725 per student
Laptop required





Agenda:

Day 1 Program

- 08.15 Registration and Coffee
- 08.30 Introduction and overview
- 08:45 Development of the Original B31G Criterion
- 09.30 Advantages and Disadvantages of the Original Criterion
- 10:00 Development of RSTRENG®
- 10:15 Break
- 10:30 The Modified B31G Criterion
- 11:15 Advances in the Validation of RSTRENG®
- 12:00 Introduction to the RSTRENG® Software
- 12:30 Lunch
- 13:30 Step by Step instructions for RSTRENG® Operation
- 14:30 Interpretation and Evaluation of Results
- 15:00 Break
- 15:15 ASME B31G-2009 Edition Levels of Evaluation
Class room evaluation exercises
- Optional & Voluntary:
Overview of Pipeline Toolbox
- 17:00 End of training

**Please complete the attached form
and fax to TTI at 713-630-0560**

Course Cost:

Course Date:

Name

Company

Address

Address

City, State, ZIP

Country

Phone/Mobile

Fax

E-mail

Payment by Credit Card

Circle One: VISA MasterCard AMEX

CC Number

Expiration Date

Signature*

*** By signing above I commit to paying the course fee when invoiced**

Terms and Conditions: Terms and conditions: One registration is required per person. Upon receipt of your above registration, an invoice will be generated for payment. Payment is due 30 days from receipt of invoice. Full price of the course fee will be refunded provided written cancellation is received 3 weeks prior to course date. A cancellation after the deadline will receive full credit towards a future date for the same course.

Technical Toolboxes
3801 Kirby Drive, Suite 520
Houston, TX 77098
Tel: 713-630-0505
Fax: 713-630-0560
Email: training@ttoolboxes.com