

API 653 Data Analysis & Reporting Training Course

Why: Reporting delays and inaccurate analysis can result in serious problems for both the inspection services firms performing the work as well as the tank owner operators requiring the results in a timely fashion. Proper data analysis and reporting in accordance with the API 653 standard can be time consuming and thus is ripe with shortcuts resulting in inaccurate and/or incomplete analysis. This course is designed to train both inspection services personnel as well as tank owner operators on the proper steps and methodology to ensure both a complete and accurate report on the inspection and evaluation of Above Ground Storage Tanks (ASTs).

The course is designed for:

- API 653 Inspectors
- Plant Reliability Engineers
- Above Ground Storage Operations & Technical Personnel
- Engineering contractors and inspection service providers

When: As announced

Where: Technical Toolboxes, Inc. offices located at 3801 Kirby Drive, Suite 520, Houston, TX 77098. The course will take place in Suite 501. (map to be provided).

Duration: One and one half days (1 ½)

Price: \$695 per person

Includes: 30 day trial software of the API 653 Toolbox used in the training course

More about the API 653 Toolbox:

Inspection and Evaluation of Above Ground Storage Tanks*

*Complies with the API 653 Standard

Data analysis and reporting is made simple and easy with the API 653 Toolbox, an integrated suite of software tools. The API 653 Toolbox can be used by inspectors in the field to complete timely reports on site. Alternatively, the API 653 Toolbox provides a series of data gathering templates that can be used by field inspectors who can then hand off the data to others for analysis and reporting, thus allowing this function to be centralized and made more efficient.

With the API 653 Toolbox, data analysis and reporting can be;

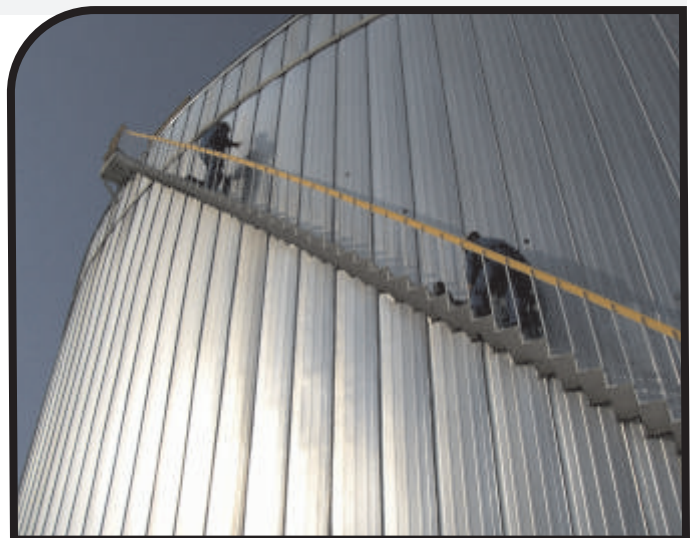
- Made more accurate
- Made more comprehensive
- Presented in a more professional manner
- Completed in minutes rather than hours or days

The API 653 Toolbox is a Microsoft Access® based application thus allowing you to store, retrieve and transport the data and reports electronically as needed.

Instructor: Jeff Walling

Jeff has over 30 years experience that spans the spectrum of industry. Jeff's experience includes Plant Operations, Maintenance, MI Inspections, PSM and Engineering Consulting, Software Development and Training. Industries that Jeff has worked in include Petroleum Refineries, Chemical Plants, Industrial Refrigeration, Power Plants, Pipeline, and Tank Fields. Jeff holds a degree in Mechanical Engineering with certifications in API-653, API-510, API-570, National board, Steel Tank Institute, AWS and PA DEP IAF/AIM.

Course Objectives: To assist inspectors, reliability and risk engineers as well as above ground storage operations and technical personnel how to properly analyze inspection data in accordance with API 653 and other applicable standards and to complete a comprehensive report in a timely manner.



Course Overview Agenda:

Day 1

Training Course Agenda/Outline

Start: 8:15 – 10:00AM

API-653 Scope of Inspections:

- a. API-650 AST's
- b. API-620 AST's
- c. UL-142 AST's

10:00 – 10:15AM Break

10:15 – 12:00PM

Guidelines for using Construction and Inspection Codes:

- a. Individual Component Assessment
- b. Design, Inspection, Repair Considerations

Lunch: 12:00 – 1:00PM

1:00– 2:30PM

Use of Engineering Industrial Standards and Calculations:

- a. ASME, API, Jurisdictional Regs, NFPA
- b. Calculations i.a.w. API-650 (including App. F, V, M, ect), API-653, (including App. B –Edge Settlement, Bulge Eval, Shell Settlement, ect)

2:30 – 2:45PM Break

2:45 – 4:30PM

Tank Inspection and Reporting:

- c. Data Collection Protocols, (UT Exams, MFE Floor Exams, Settlement Surveys, API Checklists)
- d. Data Analysis, Report Calculations, Writeups and Recommendations

End of Day 1

Day 2

8:15-12:00 PM

Repair Specifications and Testing:

- a. Repair of Corroded areas
- b. New Nozzle Installation

- c. Shell Inserts
 - d. Developing Inspection Hold Point Documents
 - e. Hydro Testing
- Summary

End of Day 2

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

Course Cost: \$695.00

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: 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.

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