

# BAKER CONSULTING GROUP, INC.

## AN INTRODUCTION TO API STANDARDS 650, 653, AND REGULATORY COMPLIANCE

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### OVERVIEW

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Attendees are introduced to the API Standards 650, 653, which are used for design, construction, inspection, construction, and alteration of aboveground storage tanks. Additionally an introduction to the various State and Federal regulations will be discussed. The seminar focuses on practical applications of the latest storage tank technology, operations, and management techniques. The instructor will go beyond theory to meaningful real life examples.



### YOU SHOULD ATTEND IF YOU ARE:

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- A new user of API's Standards 650 or 653
- A engineer involved in tank design, construction or repair
- Responsible for tank inspection, maintenance, regulatory compliance, or safety

### SEMINAR OVERVIEW

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This training program will provide a comprehensive introduction to API Standards 650, and 653, highlighting the most recent revisions and upcoming changes.

#### **API Standard 650**

- Introduction to Tanks
- Tank Selection and Sizing
- Materials & Design
- Optional Design Basis for Small Tanks
- Seismic Design Considerations
- Fabrication Erection
- Recommendations for Design and Construction of Tank Foundations
- Design for Tank with Small Internal Pressures
- Requirements for Tanks Operating at Elevated Temperatures
- Structurally Supported Aluminum Dome Roofs
- Floating Roofs
- Shop Assembled Tanks

#### **API Standard 653**

- Introduction to API 653

- Authorized Inspector Certification
- Tank Inspections
- Suitability for Service
- Evaluation of Tank Bottom Settlement
- Brittle Fracture Considerations
- Materials
- Welding
- Tank Repair and Alterations
- Examination and Testing
- Design Considerations for Reconstructed Tanks
- Dismantling and Reconstruction
- Marking and Record keeping

#### **Regulatory Compliance**

- Introduction to State Regulations
- EPA SPCC Requirements
- Federal DOT Requirements

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## LOGISTICS

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A class size not exceeding 20 is envisioned. The seminar is presented at a facility to be provided by the Company. It is assumed that the Company will supply equipment for viewgraphs and a LCD projector and a copy of API 650 and API 653 for each participant. Baker Consulting Group, Inc. will provide for each participant, a course notebook containing copies of the viewgraphs as well as some explanatory text. The seminar should be held on two consecutive days with an 8-hour time span on the first two days (allowing for two breaks and lunch). The timing of the class can be arranged for the mutual convenience of the Company and BCG.



## COST

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The cost for a seminar of up to 20 participants is a flat fee of \$7,500 (U.S.). This covers all the costs including staff time, preparation costs, travel and expenses within the continental US.

## ABOUT THE INSTRUCTOR

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Mr. Baker founded Baker Consulting Group, Inc. in 2002 after a 15 year career in the petroleum industry. During his career he has worked for Kiefner and Associates, Inc. as a Senior Mechanical Engineer where his duties included: the development of aboveground storage tank integrity programs, failure investigations, independent review and evaluation of AST Inspections. Mr. Baker also worked for Colonial Pipeline Company where he was involved with tank design, construction, maintenance, inspection, alteration, and repair. He also was involved in pipeline station design, aboveground piping analysis, structural analysis, and pipeline maintenance. Mr. Baker is a Professional Engineer, a member of API's Pressure Vessel and Tank Subcommittee Subgroup Design, a Certified API 653 Inspector, a Certified API 570 Inspector, and a member of ASME.

### CONTACT US TO SCHEDULE A SEMINAR.

#### **Baker Consulting Group, Inc.**

P.O. Box 541  
Granville, OH 43023

Phone: (614) 410-5348  
Fax: (410) 410-5349  
Email: [Info@BakerCGI.com](mailto:Info@BakerCGI.com)