API/NFPA 2013 Safe Tank Entry Workshop
October 21-22, 2013
San Francisco, California

Presented by:
Guy R. Colonna, National Fire Protection Association
Lamar Labauve, Delta Laboratory & Gas Testing

* followed by the Storage Tank Conference (October 23-24)

Monday, October 21, 2013

7:00 AM – 8:00 AM  Registration Opens / Continental Breakfast
10:30 AM – 10:45 AM  Mid-Morning Break
12:00 PM – 1:00 PM  Lunch
2:30 PM – 2:45 PM  Afternoon Break
5:00 PM – 6:00 PM  Workshop Opening Reception – Foyer Exhibit Area

8:00 AM – 5:00 PM  Safe Tank Entry Program – Day 1

1. Introduction
2. Pre-test, Self-assessment
3. Case Studies – Lessons Learned
4. Confined Space Hazard Identification and Recognition
   a. Atmospheric Hazards – Oxygen, Flammability, Toxicity
   b. Physical and Mechanical Hazards
5. Confined Space Classification
   a. Types of Spaces
   b. Safety Designations
6. Confined Space Safe Practices – Program Outline
   a. OSHA Permit-Required Confined Space Standard
   b. Designated Personnel – Attendant, Entrant, Entry Supervisor
7. API 2015 and API 2016
   b. Common Operations – Decommissioning, Hot Work Repairs, Inerting
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**8:00 AM – 5:00 PM**  
**Safe Tank Entry Program – Day 2**

1. Hazard Evaluation
   a. Atmospheric Monitoring – Qualified Atmospheric Tester
   b. Atmospheric Thresholds – Including TLV for Diesel Fuel, Jet Fuel, and Hydrogen Sulfide
   c. Monitoring Devices – Sensor Theory, Operation, Limitations, Maintenance
   d. Instrument Calibration
   e. Hands-on Exercises – Simulated Testing Scenarios

2. Hazard Control
   a. Permits – Practice Exercises
   b. PPE

3. Post-test, Self-assessment

4. Course Closing, Evaluations

**5:00 PM – 6:00 PM**  
**Workshop Closing Reception – Foyer Exhibit Area**