# API/NFPA Safe Tank Entry Workshop

**October 10-11, 2022**  
San Diego, California, USA  

**Presented by:**  
Lawrence Russell, National Fire Protection Association  
Lamar Labauve, Delta Laboratory & Gas Testing

## Monday, October 10, 2022

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<th>Time</th>
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<td>7:00 AM – 8:00 AM</td>
<td>Registration Opens / Continental Breakfast</td>
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<tr>
<td>10:30 AM – 10:45 AM</td>
<td>Mid-Morning Break</td>
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<tr>
<td>12:00 PM – 1:00 PM</td>
<td>Lunch</td>
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<tr>
<td>2:30 PM – 2:45 PM</td>
<td>Afternoon Break</td>
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<tr>
<td>5:00 PM – 6:00 PM</td>
<td>Workshop Opening Reception</td>
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## 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 2019  
   b. Common Operations – Decommissioning, Hot Work Repairs, Inverting
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### Tuesday, October 11, 2022 - 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