

# HAZMAT101 CONSULTANTS

PRESENTS

## Fundamentals of Air Monitoring and more

Meets: NFPA 470 - OSHA 1910.120 - SERC

One (1), Eight (8) hour x Three (3) days Air Monitoring Strategies and Tactics class. This course reviews the fundamentals of air monitoring strategies and tactics and follows through the latest technology. These strategies are then worked through in scenario-based breakouts for over the road haulers, rail and commercial /residential buildings.



### Chemistry of Detection

#### Basic Identifiers

- pH paper
- Hydrophobic Pads

#### Air Monitoring

- Colormetric Tubes
- Multigas Meters
- Radiation

#### Detection Algorithm

- When, How, & Why

Student Maximum: 25 per session

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## Fundamentals of Air Monitoring and more

### Agenda

(8 HOUR)

0900 - 1200

- Introductions
- Review air monitoring strategies and tactics
- limitations to include 4 and 5 gas meters, colorimetric, chemical papers, radiation.
- Hands on demonstration

1200-1300 Lunch

1300 - 1700

- Air monitoring Hazard Zone modeling using instrumentation (for transportation and fixed facility)
- PPE decision process
- Safety considerations while conducting air monitoring in different PPE.
- Tabletop scenarios