



TRAINING OUTLINE

COURSE TITLE: _____ **DATE:** _____ **INSTRUCTOR:** _____

LOCATION: _____ **TIME:** _____ **COMPANY:** _____

Safety training was conducted on the above date by the instructor indicated. The following line items identify the topics covered during the training session.

SUMMARY OF TRAINING

1) Introduction

- a) Welcome
- b) Standards
- c) Why Training

2) General

a) Terms & Definitions

- i. Gas
- ii. Testing
- iii. Ceiling Limit
- iv. PELs
- v. TWAs
- vi. LELs
- vii. UELs
- viii. Toxicity
- ix. Toxic Atmosphere
- x. IDLH

b) Controls

- i. Elimination
- ii. Substitution
- iii. Engineering Controls
- iv. Ventilation
- v. Gas Labels
- vi. Administrative Controls
- vii. Respiratory Protection Program
- viii. Training
- ix. Inspection
- x. PPE
- xi. Respirators
- xii. Fit Tests

3) Detection Devices



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- a) Detectors
 - i. Area Gas Detectors
 - ii. Personal Gas Detector
 - iii. Fixed
- b) Sensors
 - i. CGIs
 - ii. Oxygen Sensors
 - iii. Toxicity Sensors
- c) Meters
 - i. Direct Reading
 - ii. Visual & Audio Alarms

4) Calibration & Maintenance

- a) Calibration
 - i. Docking Stations
 - ii. Manual Testing
 - iii. Bump Testing
 - iv. Manual Bump Test
 - v. Docking Method
 - vi. Zeroing
- b) Maintenance
 - i. Batteries
 - ii. Environment

5) Atmospheric Testing

- a) Testing Practices
 - i. When to Test
 - ii. Covers
 - iii. Stratification
 - iv. Measuring Limits
 - v. Operational Limits
 - vi. Equipment
 - vii. Manual Testing
 - viii. Sample Draw
 - ix. Diffusion
- b) Substance Testing
 - i. Oxygen
 - ii. Combustible Gas
 - iii. Toxic Gases & Vapor
 - iv. Nitrogen



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- v. Carbon Monoxide
 - vi. H₂S
 - vii. Natural Gas
 - c) Technical Considerations
 - i. RFI Protection
 - ii. Response Time
 - iii. Sensitivity
 - iv. Reading Drift
 - v. Accuracy
 - vi. Precision
 - vii. Selectivity & Specificity
 - d) Translating Readings
- 6) Conclusion