

# MSMWHS217

## GAS TEST ATMOSPHERES

### Course Overview

This unit of competency covers the skills and knowledge required to test the working atmosphere, using electronic test apparatus, to find out if it is safe for the proposed work.

It applies to situations where an individual may be required to carry out gas testing of an atmosphere prior to entering a specific area or workspace. The competency requires the person to interpret readings and take actions based on the interpretation.

Working environment may be hazardous, unpredictable, subject to time pressure, chaotic and expose responders to risk, on land or water, by day or night. Workplace Atmospheres may include visible and invisible hazards and hazardous surfaces.

The unit is suitable for use in the following situations:

- confined spaces, enclosed and partially enclosed spaces
- hot work and open areas
- storage tanks, silos, pits, pipes, shafts, ducts, transport vehicles and ships
- testing as part of issuing a work permit
- monitoring as part of working under a work permit
- holding the gas tester by hand
- lowering the gas tester into a space, e.g. on a line.

Refer to: <http://training.gov.au/Training/Details/MSMWHS217>

### Course Topics

- Licensing, legislative, regulatory and certification requirements that apply in Queensland
- Selecting, preparing and using gas testing equipment
- Take readings and interpret, report/record relevant data
- Common atmospheric hazards and contaminants
- Conditions under which atmospheres become hazardous
- Explosive range, upper and lower explosive limits
- Communicate clearly and unambiguously with a range of personnel on safety conditions and procedures.
- Cleaning and maintenance of equipment
- Units of measurement used to express concentration of atmospheric contaminants (mg/cubic m. ppm, % v/v).
- Types of tests required for the issue of work permits – the types of tests to include, atmospheric/oxygen/breathability, flammability/explosively, toxicity/TWA/STEL, temperature, humidity

### Who Should Attend?

This unit of competency applies to an individual working alone or as part of a team or group and working in liaison with other shift team members and the control room operator, as appropriate.

### Course Delivery and Assessment

#### Dress Code:

Neat Casual  
Closed in Shoes

#### Duration:

4 hours

#### Cost:

Price on Request

#### Assessment Details:

- Multiple Choice and Written Assessments
- Practical Assessment

#### Course Outcome:

Statement of Attainment  
Wallet Card upon request

RPL: N/A

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**THE COMPLETE PACKAGE**

