MSMWHS217 - Gas test atmospheres

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
- 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
- open areas
- holding the gas tester by hand
- lowering the gas tester into a space, e.g. on a line.

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.

No licensing, legislative or certification requirements apply to this unit at the time of publication

Total Course Fees: $170

Registration fees: $0

Tuition fees: $0

Total course fees to be paid at the time of enrolment. Please contact Student Support Officer on 03 9967 0737 or email your query at info@skillwisetraining.edu.au for more information.

Course Duration: 8 hours (Students are required to attend 2 hours of online training session through LMS Moodle prior to attending 6 hours of face-to-face training and assessment sessions)

Course Delivery: Blended

Pre-Requisites: There are no pre-requisites for this unit of competency.

Entry Requirements:

- 18 years of age or over
- Australian/New Zealand citizen or permanent Australian resident.
- Have a valid Driver's Licence, Photo Card
- Meet prescribed Language, Literacy and Numeracy requirements.
- Applicants should have basic knowledge of computer including MS Office skills (Word, Excel and Power Point).
- Bring your own device (BYOD)-All learners are expected to bring their own laptop with the Windows 7 operating system or higher. The College premises are equipped with high-speed Wi-Fi for the students' usage.
- Pre-Training Review- All prospective students (the candidates) are interviewed through Phone or zoom and will have the course explained to them by a Student Services Officer. The purpose of this interview is to ensure the candidate understands the commitment of signing up to the course, entry requirements, course outcomes, and what is expected of the student during their studies with SkillWise Training. The review also aims to identify training needs through questions on previous education or training, relevance of the courses to learner and relevant experience

Attendance: Students must attend all training sessions.

Course Outline:

- Legislative framework for gas detection
- Determining when is gas testing required
- Supervisor responsibilities
- Gas testing permits to work and hot work requirements
- Risk assessments and the need to consider atmospheric monitoring requirements during the risk assessment
- Confined space permit overview
- Oxygen deficiency, oxygen enrichment, lower explosive levels, carbon monoxide, hydrogen sulphide, methane and other gasses
- Exposure limits: TWA's, STEL's, IDLH's etc.
- Air densities of common gasses and implications
- Gas testing log sheets

- Gas detector maintenance
- Gas detector bump testing and calibration requirements
- Gas detector records
- This unit requires the ability to read and interpret a meter and then communicate the conclusions.

Course Inclusions:

- Training by highly experienced Emergency Services instructors.
- Plenty of hands on practical training with gas detectors.

Pre-course- Before starting this course, you will be required to complete a Language, Literacy and Numeracy (LLN) questionnaire. This quick questionnaire is used to determine your LLN skill level so that we can best support you in your studies.

During the course:

Training Arrangements

All the sessions are planned to ensure that you have a mixture of practical and theoretical components, and those classes cater for a wide variety of learning styles.

Students are required to attend 2 hours of online training session through LMS Moodle prior to attending 6 hours of face-to-face training and assessment sessions.

Classroom settings will ensure full access to internet, whiteboards and trainer and assessor.

Students will be provided their learning and assessment materials through LMS, that they will use to develop their knowledge and understanding. All students will be provided with a range of learning support options and resources to help them achieve competency.

Assessment Arrangements

Assessment will be conducted individually/in groups. You will be provided with a Student Assessment Booklet for each unit of competency which includes:

<u>Formative assessment</u>

Is provided through class activities and observation.

Summative Assessment

All summative assessments are based on the principles of competency-based training and assessment. Students will be assessed in both theory and simulated practical skills.

A final summative assessment is conducted and recorded in the Assessment Kit.

You will be required to complete assessments in class.

Additional Support during the course:

All students will complete a language literacy and numeracy assessment upon enrolment to determine their learning support needs. All students will be provided with a range of learning support options and resources to help you achieve competency.

Where additional support needs have been identified an Individual Support Plan will be developed which may include:

- Mentoring from trainers
- Additional classes, tutorials, and workshops
- Computer and technology support
- Referral to external support services
- Reasonable adjustment to assessments

Provision of additional support services will be provided where necessary to enable students to participate in the same way as any other person regardless of whether support services have been required.

Equipment requirements: Students will be provided with all the equipment necessary for you to undertake training.

Recognised Prior Learning (RPL): SkillWise Training does not offer Recognition of Prior Learning (RPL) for this course. Due to the duration and cost of this short course, RPL assessment would have limited value to participants

Completion

At the Completion of this unit, Students will be awarded with a “Statement of Attainment” which will include the details of the Units of Competency that student has achieved competency after completing this.

For more information, please contact our friendly Student Support Officer on 03 9967 0737 or email your query at info@skillwisetraining.edu.au