

MSMWHS217

Gas Test Atmospheres

THE MSMWHS217 – GAS TEST ATMOSPHERES COURSE EQUIPS PARTICIPANTS WITH THE SKILLS AND KNOWLEDGE REQUIRED TO SAFELY TEST AND MONITOR ATMOSPHERIC CONDITIONS IN HAZARDOUS WORK ENVIRONMENTS. IT FOCUSES ON IDENTIFYING AND MEASURING OXYGEN LEVELS, FLAMMABLE GASES, AND AIRBORNE CONTAMINANTS USING GAS DETECTION EQUIPMENT, AS WELL AS INTERPRETING READINGS AND RESPONDING APPROPRIATELY TO UNSAFE CONDITIONS. KEY FEATURES INCLUDE HANDS-ON TRAINING WITH TESTING INSTRUMENTS, UNDERSTANDING LEGISLATIVE AND WORKPLACE HEALTH AND SAFETY (WHS) REQUIREMENTS, AND APPLYING RISK CONTROL MEASURES BEFORE AND DURING WORK ACTIVITIES. THE COURSE BENEFITS WORKERS BY IMPROVING SAFETY IN CONFINED SPACES AND HIGH-RISK ENVIRONMENTS, SUPPORTING COMPLIANCE WITH INDUSTRY REGULATIONS, ENHANCING HAZARD AWARENESS, AND PREPARING INDIVIDUALS FOR ROLES IN CONSTRUCTION, MINING, UTILITIES, AND INDUSTRIAL SECTORS WHERE ATMOSPHERIC RISKS ARE PRESENT.



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MSMWHS217 Gas Test Atmospheres



Release #: 1 | Release Date: 02/06/2016

Course Description

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

Target Cohort / Entry Requirements

This course is intended for:

- Confined space workers who must test atmospheric conditions before entry
- Construction and civil workers operating in areas with potential gas or oxygen hazards
- Mining and quarry workers exposed to underground or hazardous atmospheres
- Utilities and infrastructure workers (e.g. water, gas, rail, energy) working in pits, trenches, or enclosed spaces
- Industrial and manufacturing workers dealing with fumes, vapours, or airborne contaminants
- Emergency response and safety personnel responsible for monitoring air quality and ensuring safe work conditions

- Supervisors and permit holders required to verify safe atmospheric conditions as part of work permits
- Personnel involved in high-risk work environments where gas detection and atmospheric testing are mandatory

Entry requirements may include:

- Language, literacy, numeracy and digital skills (LLND test may apply)
- Minimum age of 18 (If under 18 parental consent is required).
- Physical requirements - A participant must be in good health and medically fit for work.
- All students participating in VET qualifications are required to have a Unique Student Identifier (USI).
- The RTO will provide the prospective student with a Course Suitability Checklist that will help the student and the Trainer / Assessor if the course is relevant and applicable to students' needs.
- The RTO will provide constructive and honest feedback to the prospective student if it is decided that the VET student does not yet have the LLN+D skills or meet the entry requirements to cope with the rigor of the training and assessment material and process.

Selection Criteria

Learners should demonstrate:

- Reading and writing ability in varied contexts
- Oral communication and comprehension skills
- Basic numeracy and mathematical problem-solving

Course Duration & Delivery

- **Delivery Mode:** Face-to-face
- **Delivery Location:** 1/6 Pippita Close Beresfield NSW 2322
- **Duration:** 4 hours (1/2 day)

Assessment Information

Assessment methods may include:

- Written tasks
- Practical demonstrations
- Simulated tasks

Resources to be provided by the VET Student

- Transport to training facility.
- Appropriate clothing, closed-in footwear.
- Students will be required to provide their own digital devices, able to access reliable internet

Resources and services to be provided by the RTO

- A safe, inclusive and engaging learning environment.
- Pre-enrolment processes to ensure the course is appropriate and suitable for VET Students' needs.
- Access to LMS with personal secure login
- All Learning and Assessment resources.
- Public liability Insurance Cover (for on- and off-site training).
- Risk assessed facilities, equipment and processes for safety and duty of care, including accessibility.
- Policies and procedures to ensure and monitor delivery of high-quality services.

Course Fees

- **Total Course Fee:** \$325.00 per person

Please note all course fees must be paid before issuing qualifications.

Refund Policy

Refer to the Enrolment Agreement or Student Handbook for full terms, including refund conditions and withdrawal procedures. This can be accessed via the website <https://newcastlerescue.com.au/resources/>.

Support Services

All students have access to:

- LLND support.
- Wellbeing and counselling referral.
- Trainer support (via email enquiries@newcastlerescue.com.au, phone 1300 356 686, or online platform <https://newcastlerescue.com.au/resources/>).
- The enrolment application process identifies any support needs and possible matters which may impact training and assessment via the Suitability Checklist.
- Contextualisation and additional support needs are reviewed for reasonable adjustment and implementation prior to training commencement.
- Support, progression and adjustments are reviewed throughout the nominal duration of the training.

Recognition of Prior Learning (RPL) & Credit Transfer

All students may apply for RPL or Credit Transfer.

More information is available in the Student Handbook or from Newcastle Rescue and Consultancy Pty Ltd and RTO Website <https://newcastlerescue.com.au/resources/>.

Units of Competency

Code	Title
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The RTO reserves the right to adjust elective units to meet training package requirements.

Please refer to the Enrolment Form, for the terms and conditions of enrolment, which includes Enrolment and Selection; Training Guarantee; Course Fees, Payments and Refunds; Course Fees paid in Advance; Recognition of Prior Learning (RPL) or Credit Transfer