

Gas Network Team Leader

Unit SMLMAO02 Minimise Risk to Life, Property and the Environment during Gas Escapes

This assessment specification has been developed as part of the gas team leader standard for both main and service layer. The specification details the required skills, knowledge and behavior that a learner should expect to be assessed against during their training programme. Successful completion of this unit will demonstrate a learner's ability to minimize the risk to both life and property when attending and investigating a gas escape.

The assessment specification is the minimum core standard of these requirements, but this does not preclude employers from enhancing the skills and knowledge of the learner through additional or company specific training. The knowledge and performance criteria should be used as the basis for training input.

What does this specification look like?

Gas network team leaders need to be able to:

MRLP1 Assess risks to life and property and the environment during gas emergencies

MRPL2 Minimise and prioritise risks to life, property and the environment during gas emergencies

MRLP3 Use approved gas detection and safety equipment

MRLP4 Use and communicate data and information

MRLP5 Resolve problems that arise when testing for escapes of gas

MRLP6 Understand how to minimise risks to life, property and the environment during gas escapes

MRLP7 Understand relevant health and safety guidance and legislation

What do I need to take this module?

Prior to taking this module, candidates should have completed all "common core mandatory units" and the "mandatory units from the specialist group".

Candidates to be **assessed** as competent in this area must successfully meet the criteria listed below or have other unitary evidence demonstrating an equivalent level of competence.

Evidence must be gathered from the workplace on at least one occasion and from a purpose designed trade test.

Performance Criteria

To achieve this unit you will need to be able to:

- P1. Perform work activities in accordance with legislative and regulatory requirements
- P2. Carry out a site specific risk assessment, both inside and outside of properties
- P3. Select and wear the designated PPE
- P4. Assess the hazards and the level and severity of the risk involved
- P5. Record the findings of hazard assessment
- P6. Be able to minimise and prioritise risks to life, property and the environment during gas emergencies
- P7. Prioritise hazards and minimise the risk to safeguard life, property and the environment, including excavation and forced entry
- P8. Make safe hazards that can be rectified safely
- P9. Make safe sources and potential sources of ignition
- P10. Monitor the effectiveness of the risk control measures and take prompt additional action where it is required
- P11. Establish and maintain a safe working area
- P12. Demonstrate how to ventilate, property, voids, ducts, drains & other street furniture
- P13. Excavate to prevent underground tracking gas from entering property, voids, ducts, drains & other street furniture
- P14. Recheck the site and ensure it is clear
- P15. Use approved gas detection and safety equipment
- P16. Confirm safety equipment is available for use in accordance with site specific risk assessment
- P17. Confirm that gas detection equipment meets standards
- P18. Take and record, high and low level atmosphere samples from internal spaces, external sources, no access properties, voids, bar holes, plant & street furniture
- P19. Check for gas ingress to properties and voids
- P20. Be able to use and communicate data and information
- P21. Maintain contact with the emergency call centre
- P22. Communicate to individuals affected by the risk control measures which are in place
- P23. Confirm information provided about safety systems is clear, accurate and concise
- P24. Record the results of testing activities and steps taken, using company reporting systems and documentation
- P25. Resolve problems that arise when testing for escapes of gas
- P26. Handle problems within the limits of the responsibility of the job role
- P27. Communicate problems outside the responsibilities of the job role to the designated person

Knowledge and Understanding

To achieve this unit, you will need to know and understand:

- K1. Health and safety guidance and legislation in utilities network construction operation
- K2. The main responsibilities of the employer and employee under the Health and Safety at Work Act
- K3. The health and safety guidance governing work in excavations
- K4. The safe procedures for handling hazardous materials
- K5. The organisational accident recording and reporting procedures
- K6. The range and use of PPE for the work
- K7. How to minimise risks to life, property and the environment during gas escapes
- K8. The order of priority to safeguard life, property and the environment
- K9. The reporting lines and procedures to be used when dealing with gas emergencies
- K10. The different types of hazards and risks that could occur during a gas emergency
- K11. The properties of Liquefied Petroleum Gas (LPG)
- K12. The criticality of different types of risk
- K13. Why it is important to reduce the risk quickly
- K14. The consequences of failure to control the risks to the public, property and the environment
- K15. The type of information on the risk which is important