



Australian Government

UEGNSG135 Monitor and control gas odourisation

Release: 1

UEGNSG135 Monitor and control gas odourisation

Modification History

Release 1: This is the first release of this unit of competency in the UEG Gas Industry Training Package.

Application

This unit involves the skills and knowledge required to operate odourisation equipment, monitor and control the odourisation of gas, and confirm odourant levels are maintained within acceptable range in accordance with relevant legislation, industry standards, codes of practice and workplace procedures.

It includes using appropriate tools, equipment and materials, ensuring relevant permits/authorisations are obtained, safely storing and handling required chemicals, operating gas odourisation equipment, monitoring gas odourisation and adjusting odourant levels, responding to spills and completing relevant documentation.

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

Pre-requisite Unit

Not applicable

Competency Field

Cross Discipline Units

Unit Sector

Gas Industry

Elements and Performance Criteria

ELEMENTS

PERFORMANCE CRITERIA

Elements describe the essential outcomes.

Performance criteria describe the performance needed to demonstrate achievement of the element.

1 Prepare to monitor and control odourisation of gas

1.1 Work health and safety (WHS)/occupational health and safety (OHS) workplace procedures and environmental measures for the site are identified, obtained and applied

- 1.2 Job requirements and workplace procedures for the work are obtained and discussed with relevant person/s to confirm the work schedule
 - 1.3 Hazards are identified, WHS/OHS risks are assessed and control measures prioritised, implemented and monitored in accordance with workplace procedures
 - 1.4 Scope of work under the relevant work permit/notification is obtained and confirmed with relevant person/s in accordance with regulatory requirements and workplace procedures
 - 1.5 Materials, plans, diagrams, drawings and resources required for work are scheduled and obtained in accordance with workplace procedures
 - 1.6 Responsibilities for first aid and other emergency incidents at the work site are confirmed with relevant person/s in accordance with workplace procedures
 - 1.7 Relevant person/s are consulted to ensure the work is coordinated effectively with others in accordance with workplace procedures
 - 1.8 Person/s participating in gas odourisation are briefed and responsibilities confirmed in accordance with workplace procedures
 - 1.9 Site preparation, safety plan and work schedule are confirmed with relevant person/s in accordance with established procedures
- 2 **Monitor and control odourisation of gas**
 - 2.1 WHS/OHS risk control measures, schedule of work and workplace procedures for carrying out the work are followed
 - 2.2 Hazardous activities are conducted safely in accordance with job instructions, regulatory requirements and workplace procedures
 - 2.3 Gas odourisation equipment is operated and adjustments are made to odourant levels in accordance with workplace procedures
 - 2.4 Gas odourisation is monitored and controlled to the required standard without waste of materials or damage to the apparatus, circuits and the surrounding environment or services using sustainable energy

principles

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|---|---|
| 2.5 | Odourant is handled and transported in accordance with regulatory requirements and workplace procedures and potential hazards and safety risks monitored and control measures implemented |
| 2.6 | Unplanned events and non-routine problems are referred to authorised person/s for directions in accordance with workplace procedures |
| 2.7 | Odourant spill response and waste management emergency shutdown procedures are applied in the event of an odourant spill in the workplace |
| 2.8 | Quality and safety checks are conducted in accordance with industry standards and workplace procedures |
| 3 Complete work and relevant documentation | |
| 3.1 | Work site is cleaned up and made safe in accordance with workplace procedures |
| 3.2 | Tools, equipment and any surplus resources and materials are cleaned, checked and securely stored in accordance with workplace procedures |
| 3.3 | Relevant work permit/s are signed off and equipment returned to service in accordance with job and regulatory requirements and workplace procedures |
| 3.4 | Relevant person/s are notified of the completion of the work in accordance with workplace procedures |
| 3.5 | Work completion documentation is completed and provided to the appropriate person/s in accordance with workplace procedures |

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Range of Conditions

Range is restricted to essential operating conditions and any other variables essential to the work environment.

Non-essential conditions may be found in the UEG Gas Industry Training Package Companion Volume Implementation Guide.

Unit Mapping Information

This unit replaces and is equivalent to UEGNSG135A Monitor and control gas odourisation.

Links

Companion Volume Implementation Guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=6a6c032e-ffcb-4f3d-8063-415efbd261e8>

Assessment Requirements for UEGNSG135 Monitor and control gas odourisation

Modification History

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Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the elements and performance criteria on at least two separate occasions and include:

- applying emergency shutdown procedures
- applying odourant storage and handling procedures, including:
 - applying environmental and work health and safety (WHS)/occupational health and safety (OHS) legislation
 - interpret safety data sheets (SDS)
 - transport and handling requirements
 - spill and waste management procedures
 - odourant monitoring and control procedures
- applying problem-solving techniques
- applying relevant industry standards, guidelines, codes of practice and regulations
- applying relevant WHS/OHS requirements, including:
 - working safely with hazardous materials and equipment
 - hazard identification and reporting
 - implementing risk control measures
 - selecting and using correct personal protective equipment (PPE)
- applying sustainable energy and environmental principles and practices
- communicating with relevant person/s authorities and stakeholders
- completing work and relevant documentation
- conducting quality and safety checks
- dealing with unplanned events
- ensuring spill response procedures are in place
- following workplace procedures
- maintaining a clean work site
- monitoring and controlling odourisation of gas
- monitoring odourant levels
- obtaining and interpreting relevant technical drawings, plans, diagrams and drawings
- obtaining work authorisation and relevant permit/s
- preparing to monitor and control odourisation of gas

- using relevant gas detection equipment.

Knowledge Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the elements and performance criteria and include knowledge of:

- effective communication techniques
- gas odourisation
- hazardous activities, including:
 - emergency/spill response
 - lifting, climbing, working in confined spaces or aloft and use of power tools
- odourising chemicals, including:
 - SDS
 - storage, transporting and handling
 - WHS/OHS and environmental requirements
 - risk mitigation processes
 - spills
 - gas detection equipment
- odourisation shutdown requirements and procedures
- problem-solving techniques
- quality and safety checks
- required permits/authorisations
- relevant industry standards, guidelines, codes of practice and regulations
- relevant equipment and tools to monitor odourant levels
- relevant workplace documentation
- relevant workplace policies and procedures
- relevant stakeholders, including:
 - authorised person/s, authorities, plant operators and contractors
- relevant manufacturer specifications
- relevant safe work method statements (SWMS)/job safety assessments or risk mitigation processes
- relevant WHS/OHS legislated requirements, including:
 - applicable emergency procedures
 - hazards, risk assessment and control measures
 - environmental and sustainable energy principles and practices
 - hazard warnings and safety signs
 - hazardous materials
 - PPE
- relevant materials, plans, diagrams, drawings and resources
- site preparation, safety plans and work schedules.

Assessment Conditions

As a minimum, assessors must satisfy applicable regulatory requirements, which include requirements in the Standards for Registered Training Organisations current at the time of assessment.

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Assessment must occur in workplace operational situations where it is appropriate to do so; where this is not appropriate, assessment must occur in simulated workplace operational situations that replicate workplace conditions.

Assessment processes and techniques must be appropriate to the language, literacy and numeracy requirements of the work being performed and the needs of the candidate.

Resources for assessment must include access to:

- a range of relevant exercises, case studies and/or other simulations
- relevant and appropriate materials, tools, equipment and PPE currently used in industry
- applicable documentation, including workplace procedures, equipment specifications, regulations, codes of practice and operation manuals.

Links

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