



Australian Government

UEGNSG061 Monitor and control gas odourisation

Release: 1

UEGNSG061 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

Gas Cross Discipline

Unit Sector

Gas Industry

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

1 Prepare to monitor and control odourisation of gas

PERFORMANCE CRITERIA

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

1.1 Workplace safety, environmental and sustainable energy practices for the site are identified, obtained and understood

- 1.2 Job requirements are obtained and interpreted from plans, specifications and instructions
 - 1.3 Relevant job requirements and workplace procedures for work activities are discussed with relevant person/s, including third parties, to determine and confirm work schedule and respective responsibilities
 - 1.4 Hazards are identified, workplace safety and environmental risks are assessed, and control measures are prioritised, implemented and monitored in accordance with workplace procedures
 - 1.5 Scope of responsibility under the relevant job requirements, including all work permits and/or relevant notifications, is determined and confirmed to access the services and perform work in accordance with job requirements and workplace procedures
 - 1.6 Equipment, tools and personal protective equipment (PPE) needed to carry out work activities are identified, obtained and checked for correct operation and safety in accordance with workplace procedures and manufacturer instructions
- 2 **Monitor and control odourisation of gas**
 - 2.1 Workplace safety and environmental risk control measures, schedule of work and workplace procedures for carrying out work are followed
 - 2.2 Appropriate materials, tools and equipment are selected and used safely in accordance with manufacturer instructions and workplace procedures
 - 2.3 Work is completed within agreed timeframe and to industry standards in accordance with job requirements and workplace procedures
 - 2.4 Hazardous activities are conducted safely in accordance with regulatory requirements and workplace procedures
 - 2.5 Alarms, codes, and hazard warnings are correctly recognised, and the correct response strategy is selected and applied in accordance with workplace procedures
 - 2.6 Faults and operational conditions of the components are identified, repaired or replaced, and reported in accordance with organisational job requirements

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| | 2.7 | Odourant is handled and transported in accordance with regulatory requirements and workplace procedures, and potential hazards and safety risks monitored and control measures implemented |
| | 2.8 | Odourant spill response and waste management emergency shutdown procedures are applied in the event of an odourant spill in the workplace |
| | | Unplanned events are referred to the relevant person/s for directions in accordance with workplace procedures |
| 3 Complete work and relevant documentation | 3.1 | Workplace safety risk control measures for work completion are followed |
| | 3.2 | Quality and safety checks of the work are conducted in accordance with job requirements, workplace procedures and community and industry standards |
| | 3.3 | Worksite is cleaned, reinstated and made safe in accordance with workplace procedures |
| | 3.4 | Tools, equipment and any surplus resources/materials are cleaned, checked and securely stored in accordance with workplace procedures |
| | 3.5 | Incidents are reported and followed up as required in accordance with workplace procedures |
| | 3.6 | Relevant person/s is notified of work completion in accordance with workplace procedures |
| | 3.7 | Work completion documentation is completed accurately and provided to relevant 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 UEGNSG135 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 UEGNSG061 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
- reading and interpreting alarms, codes and hazard warnings
- applying odourant storage and handling procedures, including:
 - interpreting 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 workplace safety requirements, including:
 - working safely with hazardous materials and equipment
 - identifying and reporting hazards
 - 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 worksite
- 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
- 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
 - workplace safety 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 analysis (JSA) or risk mitigation processes
- relevant workplace safety requirements, including:
 - legislated work health and safety (WHS)/occupational health and safety (OHS) requirements
 - legislated industry/technical specific requirements
 - workplace safety procedures
 - manufacturer requirements
- 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.

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

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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