



Australian Government

**UEGNSG306 Control gas processing,
storage or regasification operations in an
LNG storage facility**

Release: 1

UEGNSG306 Control gas processing, storage or regasification operations in an LNG storage facility

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 control gas processing, storage or regasification operations in a Liquefied Natural Gas (LNG) storage facility. It includes planning, monitoring and controlling LNG storage and processing operations and shutting down operations in the event of an emergency.

It also includes using relevant resources and equipment, identifying faults and completing relevant reports and documentation.

The application of the skills and knowledge described in this unit may require a licence/registration to practise in the workplace.

Other conditions may apply under state and territory legislative and regulatory licensing requirements which must be confirmed prior to commencing this unit.

Pre-requisite Unit

Not applicable.

Competency Field

Transmission

Unit Sector

Gas Industry

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

PERFORMANCE CRITERIA

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

1 Plan gas processing, storage or regasification operations

- 1.1** Work schedule/s, drawings, plans, job requirements, standard operating procedures (SOP) and material lists are obtained, analysed and site inspection conducted, as required, to determine the preparation work required for planning and coordination
- 1.2** Relevant person/s are consulted and work is prioritised and sequenced for completion within agreed timeframes and to industry standards in accordance with workplace procedures
- 1.3** WHS/OHS, environmental and sustainable energy policies and procedures related to the work are obtained to ensure safe systems of work are followed in accordance with workplace procedures
- 1.4** Hazards and work health and safety (WHS)/occupational health and safety (OHS) risks are identified and prioritised and risk control measures implemented and monitored
- 1.5** Relevant work permit/s are obtained to coordinate the work in accordance with job/regulatory requirements and workplace procedures
- 1.6** Appropriate equipment, tools and personal protective equipment (PPE) required for the job are identified, scheduled, obtained and checked for correct operation and safety in accordance with workplace procedures

2 Control gas processing, storage or regasification operations

- 2.1** WHS/OHS risk control measures and policies and procedures are followed
- 2.2** Systems isolation is performed in accordance with industry standards and workplace procedures
- 2.3** Gas processing, storage or regasification operations are initiated and coordinated ensuring completion in agreed timeframes
- 2.4** Operation of processing and storage system is controlled and monitored to ensure safety and efficiency and system operations communicated to relevant person/s and other work areas in accordance with workplace procedures
- 2.5** Alarm codes, logics and other hazard warnings are correctly recognised and WHS/OHS risks and control

measures monitored, actioned and appropriate authorities consulted in accordance with requirements and workplace procedures

- 2.6 Work schedule is monitored and remedial action taken to address any shortfalls encountered in accordance with requirements and/or workplace procedures
- 2.7 Fault-finding and troubleshooting techniques are applied to problems encountered in accordance with workplace procedures
- 2.8 Relevant work permit/s are signed off, where applicable, and system returned to service and communicated to stakeholders in accordance with requirements and workplace procedures
- 2.9 Quality and safety checks of the work are conducted in accordance with job requirements, workplace procedures and industry standards

3 Shutdown operations and complete relevant documentation

- 3.1 Work undertaken is checked against work schedule for conformance and anomalies and proposed solutions reported to relevant person/s in accordance with workplace procedures
- 3.2 Incidents and injuries are reported in accordance with relevant regulations, standards and workplace procedures
- 3.3 Emergency shutdown procedures are applied in the event of equipment faults/failure or operational parameters being exceeded
- 3.4 Work completion records, reports, documentation and as installed/modified drawing/s are completed, processed and appropriate person/s notified 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.

resources must include at least five (5) of the following:

- pumps
- compressor packages
- valves
- control and monitoring equipment
- mixing equipment
- sampling equipment
- instrument air equipment

incidents must include at least three (3) of the following:

- gas leaks
- gas fires
- equipment failure
- unsafe inventory and supply levels
- electrical supply fires

monitoring of facilities must include at least four (4) of the following:

- pressure
- temperature
- flows
- levels
- corrosion
- stock levels
- gas leaks
- security

equipment faults must include at least four (4) of the following:

- electrical problems
- compressor failure
- pump failure
- out-of-current inspection status
- gauge failure
- loss of containment
- instruments out of calibration

Unit Mapping Information

This is a new unit.

Links

Companion Volume Implementation Guides are found in VETNet - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=6a6c032e-ffcb-4f3d-8063-415efbd261e8>