



Australian Government

UEGNSG312 Inject gas into underground storage

Release: 1

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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 inject gas into underground storage in accordance with relevant regulations, codes of practice and workplace procedures.

It includes following procedures to correctly inject gas at the required flow rates, temperatures and pressures to protect above ground equipment and reservoir storage.

This unit of competency can be applicable to those working in the field or a control room environment.

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.

1 Prepare to inject gas into

PERFORMANCE CRITERIA

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

1.1 Job requirements and workplace procedures for injection

underground storage	are obtained and discussed with relevant person/s
1.2	Work health and safety (WHS)/occupational health and safety (OHS), environmental and sustainable energy policies and procedures for injection are obtained
1.3	Hazards and WHS/OHS risks are identified and eliminated or control measures implemented and monitored
1.4	Equipment, tools and personal protective equipment (PPE) required for injection are obtained and checked for correct operation and used in accordance with workplace procedures
1.5	Work site is prepared to minimise risk and damage to above and below ground equipment and individuals in accordance with work instructions, work schedule and workplace procedures
1.6	Pre-start checks of injection equipment, pipelines and wellheads are undertaken in accordance with regulatory requirements and workplace procedures
1.7	Isolating and/or deisolating equipment, where applicable, is undertaken according to workplace procedures
2 Inject gas into underground storage	
2.1	WHS/OHS risk control measures and policies and procedures are followed
2.2	Hazardous activities performed safely in accordance with work instructions, regulatory requirements and workplace procedures.
2.3	Wells and above ground equipment are started up and monitored in accordance with plant operating specifications and parameters
2.4	Gas is injected into the underground storage correctly and safely according to flow rate, pressure and temperature requirements and in accordance with workplace procedures
2.5	Potential hazards and safety risks are identified and reported to authorised person/s for directions in accordance with workplace procedures
2.6	Unplanned events are dealt with or referred to authorised person/s for directions in accordance with level of

	responsibility and workplace procedures
2.7	Quality and safety checks of the work are conducted in accordance with job requirements, industry standards and workplace procedures
2.8	Emergency shutdowns are responded to in accordance with workplace procedures
3 Complete work and relevant documentation	
3.1	Equipment shutdown is performed in a controlled manner and in accordance with workplace procedures
3.2	Isolating and/or deisolating equipment, where applicable, is undertaken according to workplace procedures
3.3	Work area is cleaned up and made safe in accordance with job instructions and workplace procedures
3.4	Tools, equipment and any surplus resources and materials are cleaned, checked and returned to storage in accordance with workplace procedures
3.5	Relevant person/s are notified of work completion in accordance with workplace procedures
3.6	Work completion records and report forms are completed in accordance with job instructions and 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 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>