



Australian Government

UEGNSG349 Carry out surveillance of gas transmission pipelines

Release: 1

UEGNSG349 Carry out surveillance of gas transmission pipelines

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 carry out ground surveillance of gas transmission pipelines, complete work and relevant documentation, and report in accordance with relevant legislation, standards, codes of practice and workplace procedures.

It includes threat mitigation through identifying non-conformances, areas to be monitored and inspection of easement, pipe work, structures, fittings and equipment in accordance with organisational and statutory requirements.

Aerial surveillance is not covered by this unit.

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

Pre-requisite Unit

Not applicable.

Competency Field

Gas Transmission

Unit Sector

Gas Industry

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

1 Prepare to carry out surveillance of gas

PERFORMANCE CRITERIA

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

1.1 Work health and safety (WHS)/occupational health and safety (OHS) workplace procedures and environmental,

transmission pipelines		cultural and heritage measures for the site are identified, obtained and applied
	1.2	Job requirements and workplace procedures for the surveillance work are discussed with relevant person/s to confirm the work schedule
	1.3	WHS/OHS, environmental and sustainable energy policies and procedures are obtained and communicated to relevant person/s
	1.4	Work is prioritised and sequenced for completion within acceptable timeframes following consultation with relevant person/s in accordance with workplace procedures
	1.5	Hazards are identified, WHS/OHS and environmental risks are assessed and control measures prioritised, implemented and monitored in accordance with workplace procedures
	1.6	Scope of work and level of responsibility under the relevant work authorisation/permit/ notification is obtained and confirmed with relevant person/s in accordance with workplace procedures
	1.7	Plant, equipment, tools and personal protective equipment (PPE) required for gas pipeline surveillance work are identified, obtained and checked for correct operation and safety in accordance with workplace procedures
	1.8	Communication issues with relevant stakeholders are resolved and work coordinated in accordance with workplace procedures
	1.9	Person/s participating in the work are briefed and responsibilities confirmed in accordance with workplace procedures
	1.10	Site preparation, safety plan and work schedule are confirmed with relevant person/s in accordance with workplace procedures
2 Carry out surveillance of gas transmission pipelines	2.1	WHS/OHS risk control measures, schedule of work and workplace procedures for carrying out work are followed
	2.2	Relevant materials, tools, equipment and measuring devices are selected and used correctly and safely in

accordance with workplace procedures and manufacturer instructions

- 2.3 Dealings with customers are consistent with workplace procedures and the special needs of customers are identified and considered in targeting client service
- 2.4 Ground surveillance work is carried out to the required standard, without waste of materials or damage to apparatus, equipment, and the surrounding environment or services using sustainable energy principles
- 2.5 Leakages and damaged pipes, structures, systems and fittings are recorded in accordance with workplace procedures
- 2.6 Hazard warnings and safety signs are recognised, hazards and WHS/OHS risks and incidents are assessed and reported to authorised person/s for directions in accordance with established procedures
- 2.7 Unplanned events in the pipeline surveillance work are dealt with in accordance with level of responsibility and workplace procedures
- 2.8 System breaches, faults and operational conditions of the pipeline network are identified and resolved, where possible, and reported to relevant person/s in accordance with workplace procedures
- 2.9 Pressure and flow fluctuations outside of acceptable limits are investigated and resolved, where possible, and reported to relevant person/s in accordance with workplace procedures
- 2.10 Key issues are identified, solutions/options developed, implemented and communicated to relevant stakeholders in accordance with workplace procedures
- 2.11 Quality checks of the work are undertaken in accordance with job instructions and workplace procedures

3 Complete work and relevant documentation

- 3.1 WHS risk control work measures for work completion are followed
- 3.2 Work area is tidied and made safe in accordance with workplace procedures
- 3.3 Tools and equipment are cleaned, checked and securely

stored in accordance with workplace procedures

- 3.4 Relevant person/s are notified of work completion, non-conformances and proposed solutions/options are reported in accordance with workplace procedures
- 3.5 Relevant records, reports and documentation are completed, processed and provided to 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 UEGNSG349A Carry out surveillance of gas transmission pipelines.

Links

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