



Australian Government

UEGNSG332 Undertake hydro-testing for transmission pipeline construction

Release: 1

UEGNSG332 Undertake hydro-testing for transmission pipeline construction

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 undertake hydro-testing on gas transmission pipelines at construction work sites, and complete hydro-testing activities and relevant documentation in accordance with relevant legislation, regulations, codes of practice and workplace procedures.

It includes undertaking hydro-testing using the relevant equipment and plant, identifying safety and environmental hazards, and assessing risks associated with hydro-testing and exclusion zones.

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

Pre-requisite Unit

Not applicable.

Competency Field

Transmission

Unit Sector

Gas Industry

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

1 Prepare for hydro-testing for transmission pipeline construction

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 measures for the site are identified, obtained and applied

- 1.2 Job requirements and workplace procedures for the site are obtained and discussed with relevant person/s to confirm the work schedule
 - 1.3 WHS/OHS, environmental and sustainable energy policies and procedures are obtained and applied in accordance with workplace procedures
 - 1.4 Easement is inspected and testing procedures determined in accordance with workplace procedures and job requirements
 - 1.5 Recommendations to assist with testing of the construction pipeline are made to others involved in the work in accordance with workplace procedures
 - 1.6 Work site hazards are identified, WHS/OHS risks are assessed and control measures prioritised, implemented and monitored in accordance with workplace procedures
 - 1.7 Scope of work and level of responsibility under the relevant work permit/authorisation is obtained and confirmed with relevant person/s in accordance with job requirements and workplace procedures
 - 1.8 Tools, plant, equipment and personal protective equipment (PPE) required for the work are identified, scheduled, obtained and checked for operation and safety in accordance with workplace procedures and manufacturer instructions
 - 1.9 Materials, plans, diagrams, drawings and resources required for the work are confirmed, scheduled and obtained in accordance with workplace procedures
 - 1.10 Responsibilities for first aid, emergencies and other related work safety procedures for an incident at the work site are checked and confirmed with relevant person/s
 - 1.11 Third-party issues are referred to relevant person/s in accordance with workplace procedures
 - 1.12 Site preparation, safety plan and work schedule are confirmed with relevant person/s in accordance with workplace procedures
- 2 Hydro test transmission pipeline construction**
- 2.1 WHS/OHS risk control measures, schedule of work and workplace procedures for carrying out the work are

followed

- 2.2** Materials, tools, plant, equipment and measuring devices required for the testing are selected and used correctly and safely in accordance with manufacturer instructions and workplace procedures
 - 2.3** Hazardous activities are conducted safely in accordance with WHS/OHS workplace procedures and job instructions
 - 2.4** Work area is isolated, made safe and hydro-testing of pipeline construction is carried out in accordance job instructions, industry standards and workplace procedures
 - 2.5** Hydro-testing of pipeline construction is conducted in agreed timeframe and to industry standards, without waste of materials or damage to apparatus, and the surrounding environment or services using sustainable energy principals
 - 2.6** WHS/OHS risks and incidents are reported to authorised person/s for directions in accordance with workplace procedures
 - 2.7** Unplanned events are referred to authorised person/s for directions in accordance with workplace procedures
 - 2.8** Remedial action required when hydro-testing transmission pipeline construction is dealt with in accordance with workplace procedures
 - 2.9** Quality and safety checks are carried out in accordance with work instructions and workplace procedures
- 3 Complete hydro-testing activities and relevant documentation**
- 3.1** WHS/OHS risk control measures for work completion are followed
 - 3.2** Work site is rehabilitated, cleaned up and made safe in accordance with workplace procedures
 - 3.3** Tools, equipment and any surplus resources and materials are, cleaned, checked and securely stored in accordance with workplace procedures
 - 3.4** Relevant person/s are notified of work completion in accordance with workplace procedures

- 3.5** Work completion records, report forms and data sheets are completed accurately 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 UEGNSG332A Undertake hydro-testing for transmission pipeline construction.

Links

Companion Volume Implementation Guides are found in VETNet -

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