



Australian Government

UEGNSG304 Commission or decommission gas transmission pipelines

Release: 1

UEGNSG304 Commission or decommission 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 commission and decommission gas transmission pipelines in accordance with relevant legislation, standards, regulations, codes of practice and workplace procedures.

It includes planning, undertaking and completing the commissioning/decommissioning of gas transmission pipelines and completing relevant 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

Gas Transmission

Unit Sector

Gas Industry

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

1 Plan to commission/decommission

PERFORMANCE CRITERIA

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

1.1 Work schedule/s, drawings, plans, job requirements and material lists are obtained, analysed and confirmed if

gas transmission pipelines

necessary by site inspection in accordance with workplace procedures

- 1.2** Work health and safety (WHS)/occupational health and safety (OHS) workplace policies and procedures for the sites are identified, obtained and applied
- 1.3** Job requirements and workplace procedures are obtained for all work sites and communicated to relevant person/s in accordance with workplace procedures
- 1.4** Environmental and sustainable energy policies and procedures are obtained, communicated and applied
- 1.5** Work is prioritised and sequenced by management for completion within acceptable timeframes following consultation with relevant person/s in accordance with workplace procedures
- 1.6** Hazards are identified, WHS/OHS risks are assessed and control measures prioritised, implemented and monitored in accordance with workplace procedures
- 1.7** Relevant work permit/s are obtained to access, isolate/de-energise systems and perform work in accordance with regulatory requirements and workplace procedures
- 1.8** Scope of work and level of responsibility under the relevant work permit/authorisation is confirmed with relevant person/s in accordance with job requirements and workplace procedures
- 1.9** Person/s, equipment, tools, materials, plans, specifications and personal protective equipment (PPE) required for the work are identified, scheduled, obtained and checked for correct operation and safety in accordance with workplace procedures
- 1.10** First aid officer at the work site is confirmed with relevant person/s in accordance with job requirements and workplace procedures
- 1.11** Communication issues with relevant stakeholders are resolved and work coordinated by management in accordance with work schedule and workplace procedures
- 1.12** Pipeline is cleaned, pigged, bypassed and checked for commissioning/decommissioning readiness in

accordance with workplace procedures

1.13 Site is prepared to minimise risk and damage to property, commerce and individuals in accordance with the work schedule and workplace procedures

1.14 Person/s participating in the work are briefed and responsibilities confirmed in accordance with job requirements and workplace procedures

1.15 Road signs, barriers and warning devices are positioned in accordance with job requirements and traffic management plan

2 Commission/decommissioning gas transmission pipelines

2.1 WHS risk control measures, schedules of work and workplace procedures for carrying out work are followed

2.2 Materials, tools, equipment and measuring devices required for the work 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, job instructions and regulatory requirements

2.4 Commissioning/decommissioning gas transmission pipelines is performed in agreed timeframe and to industry standards with a minimum of waste or damage to apparatus, circuits, and the surrounding environment or services using sustainable energy principles

2.5 Commissioning/decommissioning gas transmission pipelines is performed in accordance with work schedule, job requirements and workplace procedures

2.6 Hazard warnings and safety signs are recognised, hazards and WHS/OHS risks assessed and incidents reported to authorised person/s for directions in accordance with workplace procedures

2.7 Adjustments are made for unplanned events when commissioning/decommissioning gas transmission pipelines in accordance with workplace procedures

2.8 Unplanned events and non-routine problems are referred to authorised person/s for directions in accordance with workplace procedures

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| | 2.9 | Relevant reports and quality and safety checks of the work are conducted in accordance with job requirements and workplace procedures |
| 3 Complete work and relevant documentation | 3.1 | WHS/OHS risk control measures and procedures for completing the work are followed |
| | 3.2 | Testing is conducted using relevant tools/equipment and work checked for conformance with job requirements and anomalies reported in accordance with workplace procedures |
| | 3.3 | Accidents and injuries are reported in accordance with requirements and workplace procedures |
| | 3.4 | Work site is rehabilitated, cleaned up and made safe in accordance with workplace procedures |
| | 3.5 | Tools, equipment and any surplus resources and materials are cleaned, checked and stored securely in accordance with workplace procedures |
| | 3.6 | Relevant work permit/s are signed off and equipment returned to service in accordance with workplace procedures, job and regulatory requirements |
| | 3.7 | Final inspections are undertaken and work completion documentation is finalised, 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.

commissioning or decommissioning gas transmission pipelines must include at least two (2) of the following procedures:

- steel pipeline coating repair
- steel pipeline coating testing
- steel field joint coating

commissioning or decommissioning gas transmission pipelines must include at least two (2) of the following procedures:

- receiving station/city gate operation (pressure regulator knowledge)
- line valve operation
- pressure control

Unit Mapping Information

This unit replaces and is equivalent to UEGNSG344 Commission or decommission 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>