



Australian Government

UEGNSG302 Conduct transmission pipeline emergency repair

Release: 1

UEGNSG302 Conduct transmission pipeline emergency repair

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 conduct a transmission pipeline emergency repair.

It includes evaluating incidents, identifying and conducting repairs and recommissioning the gas transmission pipeline under emergency situations, notifying relevant person/s of work completion, and completing documentation and reports in accordance with relevant industry standards and workplace procedures.

The skills and knowledge described in this unit must be applied within the legislative, regulatory and policy environment in which they are carried out. Organisational policies and procedures must be consulted and adhered to.

Those undertaking this unit would work independently and as part of a team, under direct and/or indirect supervision, use discretion and judgement, and take responsibility for the quality of their output.

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

Pre-requisite Unit

Not applicable

Competency Field

Gas Transmission

Unit Sector

Gas Industry

Elements and Performance Criteria

ELEMENTS

PERFORMANCE CRITERIA

Elements describe the essential Performance criteria describe the performance needed to

outcomes.

demonstrate achievement of the element.

1 Plan first on-site emergency response

- 1.1** Work health and safety (WHS)/occupational health and safety (OHS) procedures, environmental and sustainable energy measures and workplace policies and procedures are identified, obtained and applied
- 1.2** Details of incident are confirmed with supervisor, control centre and/or radio room in accordance with workplace procedures
- 1.3** Incident response is discussed with relevant person/s to establish appropriate isolation and repair methods
- 1.4** Hazards and threats to the gas pipeline and work site are identified, WHS/OHS risks are assessed and control measures are reported, prioritised, implemented and monitored in accordance with workplace procedures
- 1.5** Resources including person/s, equipment, tools and personal protective equipment (PPE) required for the work are identified, scheduled, obtained and checked for correct operation and safety
- 1.6** Supervisor and/or Site Controller, coordination centre, emergency authorities and landowners are communicated with regularly to confirm the emergency response in accordance with workplace procedures
- 1.7** Person/s participating in the work are fully briefed and responsibilities coordinated and authorised in accordance with workplace procedures
- 1.8** Site preparation, safety plan and work schedule are confirmed with relevant person/s in accordance with workplace procedures

2 Prepare to conduct transmission pipeline repair

- 2.1** Incidents are evaluated, work schedule/s, drawings, plans, specifications, job requirements and material lists are obtained, analysed and confirmed and identified repair is communicated to relevant person/s in accordance with workplace procedures
- 2.2** WHS, environmental hazard and risk control measures are monitored and adjusted as required, to ensure ongoing effectiveness in accordance with workplace procedures
- 2.3** Relevant work permit/s are obtained to access, isolate and de-isolate systems and perform work in accordance

with job requirements and workplace procedures

- 2.4 Equipment, tools and personal protective equipment (PPE) required for the job are identified, obtained and checked for correct operation and safety in accordance with workplace procedures
- 2.5 Site is prepared to minimise risk and damage to property, commerce and individuals in accordance with the work schedule and workplace procedures
- 2.6 Appropriate signage, barriers and warning devices are positioned in accordance with job requirements and workplace procedures

3 Conduct transmission pipeline repair

- 3.1 Hazard warnings and safety signs are recognised, WHS/OHS hazards and risks assessed and reported to authorised persons for directions in accordance with workplace procedures
- 3.2 Hazardous activities are conducted safely in accordance with regulatory requirements and workplace procedures
- 3.3 Pipeline repair work is conducted and monitored, relevant repair techniques are applied and amendments and modifications in the pipeline repair are undertaken in accordance with workplace procedures
- 3.4 Unplanned situations are responded to in accordance with workplace procedures in a manner that minimises risk to personnel and equipment
- 3.5 Pipeline is inspected and tested, and quality checks of work undertaken in accordance with industry standards and workplace procedures

4 Recommission gas transmission pipeline to operational conditions and complete relevant documentation

- 4.1 System is recommissioned to meet transmission pipeline requirements and work undertaken is checked against work schedule for conformance and anomalies reported in accordance with workplace procedures
- 4.2 Any incidents, accidents and injuries are reported to relevant person/s and followed up in accordance with job requirements and workplace procedure
- 4.3 Incident site, reports, risk control measures and permit conditions are handed over to repair coordinator or relief response person in accordance with workplace

procedures

- 4.4 Work site is rehabilitated and made safe in accordance with workplace procedures
- 4.5 Relevant work permit/s are signed off and closed and pipeline is returned to service in accordance with job requirements and workplace procedures
- 4.6 Records and drawings are updated to reflect repair work completion records and reports as installed and relevant documentation completed, processed and appropriate person/s notified in accordance with workplace procedures
- 4.7 Debriefing with relevant person/s is conducted to discuss incident response 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 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>