Australian Government

UEGNSG106 Coordinate repair of pipeline, facilities and equipment

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 coordinate the repair of gas pipeline, facilities and equipment.

It includes coordinating repair of gas pipeline, facilities and equipment. It also includes coordinating recommissioning of systems, equipment and completing the required documentation, reports and record keeping.

Persons undertaking this unit would work as a supervisor or in a planning role to coordinate gas pipeline repair and work independently performing specific tasks in a range of contexts that could be unpredictable.

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

Pre-requisite Unit

Not applicable.

Competency Field

Cross Discipline Units

Unit Sector

Gas Industry

Elements and Performance Criteria

ELEMENTS	PERFORMANCE CRITERIA
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
1 Prepare for the coordination of pipeline,	**1.1** Work schedule, drawings, plans and material lists are obtained, analysed and confirmed, as required, by site

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facilities and equipment repairs	inspection in accordance with workplace procedures
	1.2 Job requirements and workplace procedures for the work are obtained for all work sites and communicated to relevant person/s in accordance with workplace procedures
	1.3 Work health and safety (WHS)/occupational health and safety (OHS), environmental and sustainable energy workplace policies and procedures related to the work are obtained, applied and communicated with relevant person/s
	1.4 Work is prioritised and sequenced for completion within acceptable timeframes following consultation with relevant person/s
	1.5 Hazards are identified, WHS/OHS risks are assessed and control measures prioritised, implemented and monitored in accordance with workplace procedures
	1.6 Relevant work permit/s is obtained to access and perform the repair work in accordance with regulatory and job requirements and workplace procedures
	1.7 Person/s, equipment, tools and personal protective equipment (PPE) required for the job are identified, scheduled, obtained and checked for correct operation and safety in accordance with workplace procedures
	1.8 Relevant person/s at work site are confirmed to be current in first aid and other related work procedures in accordance with requirements
	1.9 Communication issues with relevant stakeholders are resolved and work coordinated in accordance with work schedule and workplace procedures
	1.10 Site is prepared to minimise risk and damage to property, commerce and individuals in accordance with the work schedule and workplace procedures
	1.11 Person/s participating in the work are briefed and responsibilities coordinated and confirmed in accordance with job requirements and workplace procedures
	1.12 Road signs, barriers and warning devices are positioned in accordance with job requirements, workplace

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		procedures and traffic management plan
2 Coordinate repair of gas pipeline, facilities and equipment	**2.1**	WHS/OHS workplace policies, procedures and safe work practices are followed to eliminate or minimise incidents and hazards
	2.2	Hazardous activities are conducted safely and currency confirmed in accordance with regulatory requirements and workplace procedures
	2.3	Repair of pipeline, facilities and equipment is coordinated to agreed work schedule and to required industry standards with a minimum of waste in accordance with job requirements and workplace procedures
	2.4	Environmental hazards, risks and control measures are monitored and preventative action taken and referred to appropriate authorities in accordance with regulatory requirements and workplace procedures
	2.5	Unplanned events encountered when coordinating the repair of pipeline, facilities and equipment are identified and actioned in accordance with workplace procedures
	2.6	Fault finding and troubleshooting techniques are applied to identify repairs or maintenance required in accordance with job requirements and workplace procedures
	2.7	Quality and safety checks of the work are undertaken in accordance with industry standards and workplace procedures
3 Coordinate recommission systems and equipment and complete relevant documentation	**3.1**	Repaired/installed equipment is brought back on line at the desired operational parameters and work undertaken is checked against work schedule for conformance in accordance with workplace procedures
	3.2	Accidents and injuries are reported, as required, in accordance with workplace procedures
	3.3	Work site is rehabilitated, cleaned up and made safe in accordance with workplace procedures
	3.4	Tools, equipment and any surplus resources and materials are cleaned, checked and returned to storage in accordance with workplace procedures

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3.5 Relevant work permit/s are signed off and facilities/equipment returned to service in accordance with job requirements and workplace procedures

3.6 Work completion records, reports and documentation is completed, processed and appropriate person/s notified 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 Training Industry Package Companion Volume Implementation Guide.

pipeline, facilities and equipment, including at least 3 of the following:	• excavation • trenching • shoring • stitch bore • horizontal drilling • directional drilling
competency must be demonstrated in relation to coordinating the repair of pipeline, facilities and equipment, including at least 3 of the following:	• nylon (polymide) pipeline laying techniques • nylon gluing • nylon stop off • horizontal drilling • directional drilling
competency must be demonstrated in relation to coordinating the repair of pipeline, facilities and equipment, including at least 5 of the following:	• polyethylene (PE) pipeline laying techniques • large diameter PE • PE electro fusion • PE butt fusion • saddle fusion • socket fusion • PE stop off • compression couplings or flanges • connection of PE to nylon • practical application of installation and maintenance of plastic pipe systems

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competency must be demonstrated in relation to coordinating the repair of pipeline, facilities and equipment, including at least 4 of the following:	• unplasticised polyvinyl chloride (uPVC) pipeline laying techniques • uPVC solvent cemented joints • uPVC moulded joints • uPVC stop off • uPVC couplings or flanges • connection of uPVC to steel • practical application of installation and maintenance of plastic pipe systems
competency must be demonstrated in relation to coordinating the repair of pipeline, facilities and equipment, including at least 2 of the following:	• steel pipeline coating repair • steel pipeline coating testing (jeeper) • steel, field joint coating
competency must be demonstrated in relation to coordinating the repair of pipeline, facilities and equipment, including at least 3 of the following:	• connection of PE to steel mains • steel mains welding • steel mains repair • sleeve application • clamp application • hot tap and stopple
competency must be demonstrated in relation to coordinating the repair of pipeline, facilities and equipment, including at least 2 of the following:	• high pressure stop off • bagtube • squash off jacks • squash off pliers

Unit Mapping Information

This unit replaces and is equivalent to UEGNSG106B Coordinate repair of pipeline, facilities and equipment.

Links

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

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