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UEGNSG108 Operate and monitor pipeline control systems

Release: 1

UEGNSG108 Operate and monitor pipeline control systems

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 operate and monitor pipeline system.

It includes monitoring, operating and identifying faults on pipeline control system, compression systems, prime movers, instrument and control systems and valve systems, selecting and using relevant tools, equipment and testing devices to complete work and relevant documentation.

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 Plan to operate and monitor pipeline control system	**1.1** Work schedule, drawings, plans, job requirements, and material lists are obtained, analysed and confirmed by site inspection, as required, and work planned and coordinated in accordance with workplace and environmental procedures
	1.2 Work is prioritised and sequenced for completion within acceptable timeframes following consultation with

relevant person/s in accordance with workplace procedures

1.3   Hazards are identified, work health and safety (WHS)/occupational health and safety (OHS) risks are assessed and control measures prioritised, implemented and monitored in accordance with workplace procedures

1.4   Job requirements and workplace procedures for the work are obtained for work sites and communicated to relevant person/s in accordance with workplace procedures

1.5   WHS/OHS, environmental and sustainable energy policies and procedures related to the work are identified, obtained and applied to ensure safe systems of work are followed

1.6   Relevant work permit/s are obtained to coordinate and perform the 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   Clients are provided with possible solutions and options within the scope, acceptable cost and job requirements parameters

1.9   Communication issues with relevant stakeholders are resolved and work coordinated in accordance with work schedule and workplace procedures

1.10   Person/s participating in work are briefed and responsibilities coordinated and authorised as required in accordance with workplace procedures

1.11   System status is confirmed through communication with pipeline control centre in accordance with workplace procedures

2   Operate and monitor pipeline control system

2.1   WHS/OHS risk control measures and environmental procedures are followed in accordance with workplace procedures

2.2   Hazardous activities are conducted safely in accordance with regulatory requirements and workplace procedures

	2.3	Equipment and systems are inspected, tested and faults identified in accordance with work schedule, job requirements and workplace procedures
	2.4	Hazard warnings and safety signs are recognised, hazards and WHS/OHS risks assessed and reported to authorised person/s for directions in accordance with workplace procedures
	2.5	Operating conditions and performance of equipment and systems are monitored through checking gauge levels, temperatures and flow indicators in accordance with manufacturer instructions and workplace procedures
	2.6	Pipeline equipment and system performance information is monitored and reported to relevant person/s to ensure safe and efficient operation of the pipeline system in accordance with workplace procedures
	2.7	Fault finding and troubleshooting techniques are applied to identify repairs or maintenance required in accordance with job requirements and workplace procedures
	2.8	Work is coordinated to ensure completion in agreed timeframe and to industry standards with a minimum of waste in accordance with job requirements and workplace procedures
	2.9	Unplanned situations are responded to in accordance with workplace procedures, in a manner that minimises risk to personnel and equipment
	2.10	Quality and safety checks of work are conducted in accordance with job requirements, workplace procedures and industry standards
3 Complete work and relevant documentation	3.1	Work undertaken is checked against work schedule for conformance and anomalies and proposed solutions reported to relevant person/s in accordance with workplace and environmental procedures
	3.2	Accidents and injuries are reported and followed up as required in accordance with workplace procedures
	3.3	Work site is rehabilitated, cleaned up and confirmed 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

3.5   Relevant work permit/s is signed off in accordance with job requirements and workplace procedures

3.6   Work completion records, reports, documentation and as installed/modified drawing/s are completed, processed and the 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 Industry Training Package Companion Volume Implementation Guide.

Unit Mapping Information

This unit replaces and is equivalent to UEGNSG108B Operate and monitor pipeline control systems.

Links

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

     Australian Industry Standards