



Australian Government

Assessment Requirements for UEGNSG217 Launch and recover PIGs in a gas distribution pipeline

Release: 1

Assessment Requirements for UEGNSG217 Launch and recover PIGs in a gas distribution pipeline

Modification History

Release 1. This is the first release of this unit of competency in the UEG Gas Industry Training Package.

Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the elements, performance criteria and range of conditions on at least two separate occasions and include:

- analysing data/results from pigging to determine pipeline condition
- applying decision-making and conflict resolution techniques
- applying relevant industry standards, guidelines, codes of practice and regulations
- applying relevant work health and safety (WHS)/occupational health and safety (OHS) requirements, including:
 - ensuring emergency response procedures are in place
 - conducting job safety analysis (JSA)
 - working safely with hazardous materials and equipment
 - hazard identification and reporting
 - implementing risk control measures
 - selecting and using correct personal protective equipment (PPE)
- applying sustainable energy and environmental principles and practices
- carrying out pigging operation
- communicating with relevant stakeholders
- conducting quality and safety checks
- dealing with unplanned events/situations in accordance with workplace procedures in a manner that minimises risk to personnel and equipment
- following traffic management plan
- inspecting pipeline inspection gauges (PIGs) to determine wear
- interpreting technical drawings and plans
- obtaining and complying with relevant work permits
- preparing and planning for pigging gas distribution pipelines
- preparing pig trap for launch
- preparing trap for receiving
- recording data
- recovering distribution pipeline PIG
- re-establishing distribution pipeline to operational condition
- testing and inspecting pipeline and pigging equipment.

Knowledge Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the elements, performance criteria and range of conditions and include knowledge of:

- fault-finding and troubleshooting techniques
- hazardous activities, including lifting, climbing, working in confined spaces or aloft, and use of power tools
- quality and safety checks
- pipeline preparation, including:
 - relevant authorities and persons to be notified and approval requirements
 - types of pipeline materials
 - new and existing pipelines and stations
 - trap launchers and receivers installed
 - water and waste disposal requirements
 - pipeline pigging sequence
- pigging a main pipeline, including:
 - insertion/launching
 - monitoring and communication
 - capture/recovery
 - traps
 - dangers
- relevant documentation, reporting and communication for pigging
- relevant industry plant, equipment, tools and materials
- relevant work permits
- relevant WHS/OHS legislated requirements, including:
 - hazard identification and reporting
 - implementing risk control measures
 - risk assessment
 - hazardous and flammable materials
 - environmental and sustainable energy principles and practices
 - noise levels
- traffic management plans
- types of PIGs and applications
- waste disposal.

Assessment Conditions

As a minimum, assessors must satisfy applicable regulatory requirements, which include requirements in the Standards for Registered Training Organisations current at the time of

assessment.

As a minimum, assessment must satisfy applicable regulatory requirements, which include requirements in the Standards for Registered Training Organisations current at the time of assessment.

Assessment must occur in workplace operational situations where it is appropriate to do so; where this is not appropriate, assessment must occur in simulated workplace operational situations that replicate workplace conditions.

Assessment processes and techniques must be appropriate to the language, literacy and numeracy requirements of the work being performed and the needs of the candidate.

Resources for assessment must include access to:

- a range of relevant exercises, case studies and/or other simulations
- relevant and appropriate materials, tools, equipment and PPE currently used in industry
- applicable documentation, including workplace procedures, equipment specifications, regulations, codes of practice and operation manuals.

Links

Companion Volume Implementation Guides are found in VETNet -

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