



Australian Government

**Assessment Requirements for UEGNSG137
Operate and maintain gas station water
bath heaters**

Release: 1

Assessment Requirements for UEGNSG137 Operate and maintain gas station water bath heaters

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 and performance criteria on at least two separate occasions and include:

- applying problem-solving 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:
 - emergency response procedures
 - maintaining a safe and clean workplace
 - working safely with hazardous materials and equipment
 - hazard identification and reporting
 - implementing risk control measures
- collecting, analysing and reporting on utility supply gas and temperature control systems
- completing required documentation and reporting
- 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
- fault-finding and troubleshooting water bath heater faults
- obtaining and interpreting relevant technical drawings, diagrams, schedules and manuals
- obtaining relevant work permits
- operating and maintaining gas station water bath heaters and components
- operating, adjusting/testing and fault-finding water bath heaters and components
- repairing and replacing water bath components
- selecting correct materials, equipment, tools, personal protection equipment (PPE) and measurement devices.

Knowledge Evidence

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

- fault-finding and troubleshooting techniques to identify water bath heater faults
- gas fired and electric water bath heaters, including:
 - operation
 - components
 - skid layouts
- hazardous activities, including:
 - lifting, climbing, working in confined spaces and aloft, and use of power tools
- isolate and de-energise systems
- manufacturer specifications, manuals and procedures
- operating modes, including:
 - dual heater skid operation
 - automatic
 - manual
 - set point control
- relevant equipment, tools and measurement devices
- relevant industry standards, guidelines, codes of practice, legislation and regulations
- relevant safe work method statements (SWMS)/job safety assessments or risk mitigation processes
- relevant WHS/OHS legislated requirements, including:
 - hazards, risk assessment and control measures
 - environmental and sustainable energy principles and practices
 - using correct PPE
- relevant work permits
- relevant workplace policies and procedures
- reporting and documentation requirements
- routine inspection requirements
- technical plans, diagrams and drawings
- temperature control systems
- water bath heater maintenance and operation
- water levels and utility supply.

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>