



Australian Government

UEGNSG137 Operate and maintain gas station water bath heaters

Release: 1

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.

Application

This unit involves the skills and knowledge required to operate and maintain gas station water bath heaters and associated equipment in accordance with relevant legislation, codes of practice, industry standards and regulations.

It includes operating and maintaining both gas fired and electric water bath heaters in trunk receiving stations (TRS) and pressure reduction stations.

This unit applies to the following the types of gas facilities, subject to work health and safety (WHS)/occupational health and safety (OHS) and duty of care requirements being met for the workplace:

- Trunk Receiving Station (TRS)
- Pressure Reduction Station

This unit is intended for non-electrical workers and electrical work is undertaken by a person with an unrestricted or restricted electrical licence.

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

Pre-requisite Unit

Not applicable.

Competency Field

Gas Cross Discipline

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 to operate and maintain gas station water bath heaters

- 1.1** WHS/OHS workplace procedures and environmental risk control measures for the site are identified, evaluated and prioritised
- 1.2** Work schedules, plans, specifications and job instructions are obtained and interpreted to determine job requirements
- 1.3** Job requirements and workplace procedures for the work are obtained and discussed with relevant person/s to confirm the work schedule and respective responsibilities
- 1.4** WHS/OHS, environmental and sustainable energy policies and procedures are obtained and applied
- 1.5** Hazards and WHS/OHS risks are assessed and prioritised and control measures implemented and monitored in accordance with workplace procedures
- 1.6** Relevant work permit and/or notification is obtained to access, isolate/de-energise systems and perform the work in accordance with regulatory requirements and workplace procedures
- 1.7** Equipment, tools and personal protective equipment (PPE) required for the work are identified, scheduled, obtained and checked for correct operation and safety in accordance with workplace procedures
- 1.8** Appropriate person/s are consulted to ensure the work is coordinated effectively with others involved
- 1.9** Materials, manuals, plans, diagrams, drawings and resources required for work are confirmed, scheduled and obtained in accordance with workplace procedures
- 1.10** Responsibilities for first aid and other emergency incidents at the worksite are confirmed with relevant person/s in accordance with workplace procedures
- 1.11** Third party issues are referred to relevant person/s in accordance with workplace procedures
- 1.12** Site preparation, safety plan and work schedule are confirmed with relevant person/s in accordance with

- workplace procedures
- 2 Operate and maintain gas station water bath heater**
- 2.1** WHS/OHS risk control measures, schedule of work and workplace procedures for carrying out work are followed
- 2.2** Materials, tools, equipment and measuring devices required for the work are selected and used correctly and safely in accordance with manufacturer instructions and workplace procedures
- 2.3** Hazardous activities are conducted safely in accordance with job instructions, regulatory requirements and workplace procedures
- 2.4** Work is conducted to industry standards without waste of materials or damage to apparatus, circuits and the surrounding environment or services using sustainable energy principles
- 2.5** Hazard warnings and safety signs are recognised, hazards and WHS/OHS risks and incidents are assessed and reported to authorised person/s for directions in accordance with workplace procedures
- 2.6** Information on gas temperature, water levels and utility supply gas is collected, analysed and reported in accordance with workplace procedures
- 2.7** Maintenance of components is conducted in accordance with work schedule and workplace procedures
- 2.8** Water bath heater components are maintained and operated in accordance with workplace procedures
- 2.9** Faults and operational conditions of the components are identified, repaired/replaced, tested and reported in accordance with requirements and workplace procedures
- 2.10** Unplanned events and non-routine events are referred to authorised person/s for directions in accordance with workplace procedures
- 2.11** Quality and safety checks are carried out in accordance with industry standards, work instructions and workplace procedures
- 3 Complete work and relevant documentation**
- 3.1** WHS/OHS risk control measures and workplace procedures for work completion are followed

- 3.2 Work site is tidied and made safe in accordance with workplace and environmental procedures
- 3.3 Tools, equipment and any surplus resources and materials are cleaned and securely stored in accordance with workplace and environmental procedures
- 3.4 Appropriate person/s are notified of work completion in accordance with workplace procedures
- 3.5 Work completion documentation is completed and provided to appropriate person/s 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 UEGNSG137A Operate and Maintain Gas Station Water Bath Heaters.

Links

Companion Volume Implementation Guides are found in VETNet -

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