

Unit of Competency CPCPGS3059

Install LPG storage of aggregate storage capacity up to 500 litres

Application

This unit specifies the skills and knowledge required to select, install and test liquefied petroleum gas (LPG) storage facilities with a capacity up to 500 litres.

In some jurisdictions, this unit of competency may form part of accreditation, licensing, legislative, regulatory or certification requirements.

Prerequisite Unit

CPCPCM2043 Carry out WHS requirements

Elements and Performance Criteria

1. Identify installation requirements.	<p>1.1 Access, read and determine LPG storage requirements from relevant job plans and specifications, codes, Australian standards, manufacturer's specifications and jurisdictional requirements.</p> <p>1.2 Identify and apply workplace policies and procedures, work health and safety (WHS) and environmental requirements.</p>
2. Prepare for work.	<p>2.1 Create a materials list and collect materials.</p> <p>2.2 Select appropriate tools and equipment, including personal protective equipment (PPE).</p> <p>2.4 Select the location of LPG cylinders from relevant job plans and specifications, codes, relevant Australian standards, manufacturer's specifications and jurisdictional requirements.</p>
3. Install LPG storage system.	<p>3.1 Install cylinders, pipework and appliance(s) to the requirements of relevant job plans and specifications, codes, Australian standards, manufacturer's specifications and jurisdictional requirements.</p> <p>3.2 Test and purge installation.</p> <p>3.3 Commission installation.</p> <p>3.4 Affix compliance plates and signage according to job plans and specifications, codes, relevant Australian standards, manufacturer's specifications and jurisdictional requirements.</p>
4. Clean up.	<p>4.1 Clear the work area, and dispose of, reuse or recycle materials in accordance with state and territory legislation and workplace policies and procedures.</p> <p>4.2 Clean tools and equipment, check for serviceability and report any damage, and store and secure.</p>

Foundation skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Unit Mapping Information

Supersedes and is equivalent to CPCPGS3059A Install LPG storage of aggregate storage capacity up to 500 litres.

Links

Companion Volume Implementation Guide:

<https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=7e15fa6a-68b8-4097-b099-030a5569b1ad>

Assessment Requirements for CPCPGS3059

Install LPG storage of aggregate storage capacity up to 500 litres

Performance Evidence

To demonstrate competency, a candidate must meet the performance criteria for this unit by:

- installing a liquid petroleum gas (LPG) cylinder installation up to 500 litres capacity including:
 - o a minimum of two 108 litre (45 kg) capacity LPG cylinders
 - o a Type A gas appliance.

Knowledge Evidence

To be competent in this unit, a candidate must demonstrate knowledge of:

- terminology relating to installing LPG storage installations
- characteristics, application and limitations of approved materials and components
- sizing cylinder requirements, including total megajoule (MJ) load and cylinder vaporisation rates
- installation requirements for ventilation, venting, LPG cylinders, regulators and piping
- commissioning LPG regulators, including lockup and flowing pressures
- how to access relevant information, including relevant Job plans and specifications, codes, Australian standards, manufacturer's specifications and jurisdictional requirements
- tools, materials and equipment used to select, install and test LPG storage facilities
- work health and safety (WHS) requirements for selecting, installing and testing LPG storage facilities
- properties of gas, gas safety, combustion principles, pressure and flow rates.

Assessment Conditions

Assessors must satisfy the requirements for assessors listed in the Standards for Registered Training Organisations.

This unit must be assessed in the workplace or a close simulation using realistic workplace conditions, materials, activities, responsibilities, procedures, safety requirements and environmental considerations.

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