



Australian Government

CPCPGS3059 Install LPG storage of aggregate storage capacity up to 500 litres

Release: 2

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Modification History

- Release 2 This version first released with CPC Construction, Plumbing and Services Training Package Release 6.5.
- Amended Performance Criteria 3.3.
 - Amended Knowledge Evidence.
- Release 1 This version first released with CPC Construction, Plumbing and Services Training Package Release 5.0.
- Supersedes and is equivalent to CPCPGS3059A Install LPG storage of aggregate storage capacity up to 500 litres. Updated to meet the Standards for Training Packages 2012.

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.

Pre-requisite Unit

CPCPCM2043 Carry out WHS requirements

Unit Sector

Plumbing

Elements and Performance Criteria

Elements describe the essential outcomes.

Performance criteria describe what needs to be done to demonstrate achievement of the element.

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|---------------------------------------|---|
| 1 Identify installation requirements. | 1.1 Access, read and determine LPG storage requirements from relevant job plans and specifications, codes, Australian standards, manufacturer's specifications and jurisdictional requirements. |
| | 1.2 Identify and apply workplace policies and procedures, work health and safety (WHS) and environmental |

requirements.

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|-------------------------------|--|
| 2 Prepare for work. | 2.1 Create a materials list and collect materials. |
| | 2.2 Select appropriate tools and equipment, including personal protective equipment (PPE). |
| | 2.3 Select the location of LPG cylinders from relevant job plans and specifications, codes, relevant Australian standards, manufacturer's specifications and jurisdictional requirements. |
| 3 Install LPG storage system. | 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. |
| | 3.2 Test and purge installation. |
| | 3.3 Storage system from cylinder outlet is tested, purged and regulator adjusted to be gas-tight, in compliance with regulatory authority and installation requirements. |
| | 3.4 Affix compliance plates and signage according to job plans and specifications, codes, relevant Australian standards, manufacturer's specifications and jurisdictional requirements. |
| 4 Clean up. | 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. |
| | 4.2 Clean tools and equipment, check for serviceability and report any damage, and store and secure. |

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 volumes to this training package are available at the VETNet website -
<https://vetnet.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

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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:
 - a minimum of two 108 litre (45 kg) capacity LPG cylinders
 - 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 cylinder compartment ventilation and enclosures and relief valve venting
- commissioning LPG regulators, including working and lockup pressure
- 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.

Links

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