



Australian Government

HLTPOP027 Monitor and maintain water supply

Release: 2

HLTPOP027 Monitor and maintain water supply

Modification History

Release	Comments
Release 2	Release 2. HLTPOP027 Monitor and maintain water supply supersedes and is equivalent to Release 1. HLTPOP027 Monitor and maintain water supply. Minor changes. Mapping Info Table Notes added for superseded unit HLTPOP003 Monitor and maintain water supply.
Release 1	Release 1. HLTPOP027 Monitor and maintain water supply supersedes and is equivalent to HLTPOP003 Monitor and maintain water supply.

Application

This unit describes the skills and knowledge required to identify the basic way in which water supply systems function and the strategies needed to maintain water supply systems in residences within the community.

This unit applies to work in a public health context and workers at this level will work under supervision within defined guidelines.

Plumbing work must only be performed by a person authorised by an exemption registration or licence granted by the relevant State or Territory regulatory authority under legislation.

The skills in this unit must be applied in accordance with Commonwealth and State or Territory legislation, Australian standards and industry codes of practice.

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes

1. Identify potential problems and faults with water supply systems in residences.
2. Monitor and maintain the water supply

PERFORMANCE CRITERIA

Performance criteria describe the performance needed to demonstrate achievement of the element.

- 1.1. Identify components of the water supply system to residences.
- 1.2. Check for signs of contamination and identify potential problems that can occur with water supply systems and household plumbing and fixtures.
- 2.1. Identify strategies required to prevent the transmission of disease through the water supply.

system.

2.2. Assist in the development and implementation of a work plan including the use of personal protective equipment (PPE) and in accordance with workplace health and safety (WHS) standards.

2.3. Report any difficulties or problems to supervisor in accordance with organisational policies and procedures.

2.4. Refer any problems or difficulties that are outside own area of responsibility or expertise to relevant people or agencies.

Foundation Skills

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

Unit Mapping Information

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Release 1	Release 1. HLTPOP027 Monitor and maintain water supply supersedes and is equivalent to HLTPOP003 Monitor and maintain water supply.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=ced1390f-48d9-4ab0-bd50-b015e5485705>

Assessment Requirements for HLTPOP027 Monitor and maintain water supply

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Performance Evidence

Evidence of the ability to complete tasks outlined in elements and performance criteria of this unit in the context of the job role, and:

- identify at least two potential health risks, faults or problems associated with household plumbing design and fixtures and develop and implement a work plan that includes strategies to deal with each issue.

Knowledge Evidence

Demonstrated knowledge required to complete the tasks outlined in elements and performance criteria of this unit:

- organisational requirements relating to water supply work, including:
 - infection control
 - manual handling
 - workplace health and safety (WHS) standards
 - personal protective equipment use
 - reporting requirements
 - scope of own role and responsibilities
 - approvals required and process of obtaining approvals
 - referral agencies and referral procedures
- water and sewage plans for the community, where available
- various sources of water, including:
 - bore water

- surface water
- spring water
- rock catchments
- soaks
- dams
- rainwater tanks
- how water is accessed in the community
- household plumbing design and fixtures and the way in which water supply enters the house or building along internal plumbing and pipes to taps and appliances
- how to monitor water supply and common water supply contaminants
- signs, causes and prevention of water contamination
- common faults, risks and problems associated with household plumbing and water supply systems and how to identify them.

Assessment Conditions

Skills must be demonstrated in workplace or in a simulated environment that reflects workplace conditions.

Where simulation is used, it must reflect real working conditions by modelling industry operating conditions and contingencies.

Assessment must ensure access to:

- use of suitable facilities, equipment and resources, including
 - workplace health and safety (WHS) standards
 - personal protective equipment (PPE)
 - organisational policies and procedures.

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

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