



Australian Government

CPPSPS3004 Maintain swimming pool and spa water circulation and filtration systems

Release: 1

CPPSPS3004 Maintain swimming pool and spa water circulation and filtration systems

Modification History

Release 1.

Supersedes and is equivalent to CPPSPS3004A.

Unit of competency upgraded to reflect Standards for Training Packages 2012.

This version first released with CPP Property Services Training Package Version 6.0.

Application

This unit of competency specifies the skills and knowledge required to carry out routine maintenance of swimming pool and spa water circulation and filtration systems.

It includes:

- preparing for and carrying out maintenance to swimming pool and spa circulation and filtration systems
- assessing hazards and determining risk controls, including pool and spa safety barriers
- completing maintenance and minor repair activities, including work completion records.

It applies to swimming pool and spa technicians, and related industry professionals and specialists, with limited supervisory responsibilities who perform their duties alone or as members of a team.

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

Pre-requisite Unit

Nil

Unit Sector

Swimming pool and spa servicing

Elements and Performance Criteria

Elements describe the essential outcomes.	Performance criteria describe what needs to be done to demonstrate achievement of the element.
1. Prepare for routine maintenance of swimming pool and spa water circulation and filtration systems.	1.1 Review task requirements for routine maintenance of swimming pool and spa water circulation and filtration systems. 1.2 Review requirements of legislation relating to the task. 1.3 Review work health and safety (WHS) requirements for the

	task, in accordance with safety plans, policies and safety data sheets (SDSs). 1.4 Identify hazards, assess risks and determine and implement risk control measures including requirements for safety signage, barricade and personal protective equipment (PPE). 1.5 Review environmental requirements for the task in accordance with environmental plans and legislative requirements. 1.6 Inspect and assess swimming pool and spa water circulation and filtration systems and environs for operational effectiveness and safe operation against normal operating criteria. 1.7 Select tools and equipment, check for serviceability and rectify or report any faults. 1.8 Select materials for task and check against quality requirements.
2. Carry out routine maintenance of swimming pool and spa water circulation and filtration systems.	2.1 Carry out all work in accordance with task, workplace and legislative requirements. 2.2 Implement identified risk control measures, including erecting safety signage and barricades, and fitting PPE. 2.3 Carry out routine servicing of swimming pool and spa water circulation and filtration systems in accordance with manufacturers' specifications and workplace requirements. 2.4 Identify faults in swimming pool and spa water circulation and filtration systems and make routine repairs or report faults and requirements for repairs.
3. Complete maintenance of swimming pool and spa water circulation and filtration systems.	3.1 Reinstate serviced swimming pool and spa water circulation and filtration systems to safe operational condition. 3.2 Restore work area to original condition and check for and rectify or report safety hazards, dispose of waste in accordance with environmental requirements, and clean and store tools and equipment. 3.3 Report for repair or replacement any malfunctions, faults, wear or damage to swimming pool and spa water circulation and filtration systems, environs, tools and equipment. 3.4 Provide client with information on compliance with safety legislation of swimming pool and spa water circulation and filtration systems and environs. 3.5 Complete and store work completion documentation.

Foundation Skills

This section describes the language, literacy, numeracy and employment skills essential to performance in this unit but not explicit in the performance criteria:

- reading skills to:
 - interpret task documentation
 - understand written instructions, procedures and signs
 - access information in safety data sheets (SDSs)
 - interpret manufacturers' instructions and workplace requirements
- writing skills to report faults and record work completion information
- numeracy skills to interpret numerical information relating to routine swimming pool and spa water circulation and filtration systems maintenance
- oral communication skills to:
 - use questioning to identify and confirm requirements
 - provide client with information
 - report work site hazards.

Unit Mapping Information

Supersedes and is equivalent to CPPSPS3004A Routinely maintain swimming pool and spa water circulation and filtration systems.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=6f3f9672-30e8-4835-b348-205dfcf13d9b>

Assessment Requirements for CPPSPS3004 Maintain swimming pool and spa water circulation and filtration systems

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Performance Evidence

To demonstrate competency in this unit, a person must perform routine maintenance of water circulation and filtration systems of each of two swimming pools and two spas.

In doing this, the person must meet the performance criteria for this unit.

Knowledge Evidence

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

- requirements of jurisdictional work health and safety and environmental legislation and regulations relating to routinely maintaining swimming pool and spa water circulation and filtration systems
- workplace requirements for undertaking all aspects of routinely maintaining swimming pool and spa water circulation and filtration systems, including:
 - work health and safety procedures
 - workplace emergency procedures
 - use of safety data sheets (SDSs)
 - safe handling of chemicals and equipment
 - emergency responses relating to hazardous materials and chemicals
 - interpreting work orders and reporting problems
- Australian Competition and Consumer Commission product safety guidelines and Commonwealth, state or territory legislation, and local government regulations, Australian Standards, and codes of practice impacting on the routine maintenance of swimming pool and spa water circulation and filtration systems relating to:
 - electrical and plumbing regulations controlling conduct of electrical and plumbing work
 - private and public swimming pools and spas
 - swimming pool and spa safety barriers
 - environmental health
 - waste disposal

- processes to identify hazards, assess risks and determine and implement risk control measures in routine maintenance of swimming pool and spa water circulation and filtration systems, including:
 - chemical hazards
 - electrical hazards
 - bacteria, viruses
 - bodily fluids
 - contaminated water and surfaces
 - working in confined spaces
- tools, materials and equipment used in routine maintenance of swimming pools and spas water circulation and filtration systems, their application and requirements for safe use
- personal protective equipment (PPE) requirements and use in routine maintenance of swimming pool and spa water circulation and filtration systems
- processes and requirements for inspection and assessment of swimming pool and spa water circulation and filtration systems for operational effectiveness and safe operation
- requirements for routine servicing of swimming pool and spa water circulation and filtration systems
- testing and overflow testing
- filtration principles
- flow rate
- direction suction
- types of filters
- filter area
- filter media changeover
- water removal
- swimming pool and spa water circulation and filtration systems' components, including:
 - circulation systems and pumps
 - control systems
 - dosing systems
 - gauges used to determine circulation performance
 - motors
 - piping
 - pressure side elements
 - suction side elements
 - valves
- processes for:
 - reporting faults, wear or damage
 - providing client with information on compliance of swimming pool and spa water circulation and filtration systems and environs with safety legislation
 - reinstating swimming pool and spa water circulation and filtration systems to safe operational condition after routine servicing
 - restoring work area after routine servicing

- disposing of waste
- cleaning and storing tools and equipment
- completing workplace documents on routine maintenance of swimming pool and spa water circulation and filtration systems
- differences between hot and cold-water chemistry.

Assessment Conditions

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

Assessment of performance must be undertaken in the workplace or in a simulated workplace environment. Tasks are to be performed to the level of proficiency and within the time limits expected in a workplace.

Assessors are responsible for ensuring that the person demonstrating competency has access to:

- work site/s and specifications for routine maintenance of swimming pools and spas water circulation and filtration systems
- appropriate documents, SDSs, manufacturers' instructions, materials, tools, equipment and PPE currently used in industry
- requirements of appropriate sections of legislation and regulations
- relevant workplace policies and procedures.

Links

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