

CPPSPS4014 Drain and acid wash swimming pools and spas

Application

This unit specifies the skills and knowledge required to drain and acid wash swimming pools and spas.

This unit is suitable for swimming pool and spa technicians who work independently using specialised knowledge and skills to solve predictable and unpredictable problems when draining and acid washing swimming pools and spas in accordance with regulatory requirements in:

- private swimming pools and spas
- public swimming pools and spas, including:
 - hydrotherapy and therapeutic exercise pools
 - wading and receiving pools associated with water slides
 - wave pools.

All work must be carried out to comply with workplace procedures, in accordance with state/territory work health and safety (WHS), regulations and legislation that applies to the workplace. Legislative and regulatory requirements apply to swimming pool and spa technicians but vary according to state/territory jurisdictions. Users must check with the relevant regulatory authority before delivery.

Service technicians are not permitted to undertake any installation, replacement, maintenance and repair functions that are restricted to licensed trades or occupations.

Prerequisite Unit

Nil.

Elements and Performance Criteria

1. Assess job requirements.	<div>1.1 Identify relevant Australian standards and regulatory, manufacturer and enterprise requirements related to draining and acid washing swimming pools and spas.</div> <div>1.2 Determine suitability of swimming pool or spa for acid washing.</div> <div>1.3 Review work instructions and confirm activities required.</div> <div>1.4 Identify hazards and assess and control risks in the work area in line with WHS and enterprise requirements.</div>
2. Acid wash pool or spa.	<div>2.1 Explain enterprise disclosure, disclaimer and acknowledgement documentation to client.</div> <div>2.2 Apply relevant regulations, Australian standards and manufacturer, client and enterprise requirements throughout swimming pool or spa draining and acid washing.</div> <div>2.3 Apply WHS and sustainability practices related to materials, equipment, and the surrounding environment during draining and acid washing.</div> <div>2.4 Handle, transport and store chemicals and dispose of waste safely in line with enterprise, manufacturer and regulatory requirements.</div>

	2.5	Respond to accident and emergency situations in line with WHS, legislative and enterprise requirements.
3. Complete work activities.	3.1	Reinstate work area and swimming pool or spa to operational condition.
	3.2	Document and report procedures undertaken, and system and/or component malfunctions, faults, wear or damage identified.
	3.3	Advise relevant persons of work completion in line with enterprise procedures.

Foundation Skills

Candidates require:

- oral communication skills to interact with clients from diverse social, economic and cultural backgrounds
- reading skills to source and interpret technical information, regulations, standards and codes of practice related to draining and acid washing swimming pools and spas
- numeracy skills to calculate quantities, volumes and ratios of acid and chemicals for acid washing of swimming pool or spa

Unit Mapping Information

Supersedes and equivalent to CPPSPS4014A Drain and acid wash swimming pools and spas.

Links

Companion Volume Implementation Guide:

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

Assessment Requirements for CPPSPS4014

Drain and acid wash swimming pools and spas

Performance Evidence

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

- draining and acid washing one concrete swimming pool
- draining and acid washing one concrete spa

Knowledge Evidence

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

- key requirements of relevant commonwealth, state or territory, and local government regulations and Australian standards related to swimming pool and spa servicing:
 - work health and safety
 - public health
 - dangerous goods, including chemicals
 - environment and waste disposal
 - Australian Competition and Consumer Commission product safety guidelines
 - electrical and plumbing regulations related to own work
- enterprise policies and procedures related to:
 - compliance with regulations (including building and chemical safety)
 - maintenance of knowledge of regulations
 - roles, responsibilities and limitations of own role
 - purpose and content of client disclosure and acknowledgement documentation
- work instructions:
 - site requirements, including access
 - personal protective clothing and equipment requirements
 - equipment and systems location information
 - warranties and guarantees
- purpose of acid washing:
 - suitability of swimming pools and spas
 - frequency
 - causes of stain and mineral build-up on pool and spa surfaces
- impact and risks of draining and acid washing on swimming pool or spa surface and structure
- acid washing procedures including waste disposal
- acids:
 - types and properties
 - safety including handling, transportation and storage
- tools, materials and equipment:
- hazards and risks associated with draining and acid washing swimming pools and spas:
 - inadequate ventilation
 - natural and other gas build-up

- atmospheric hazards when incompatible chemicals are stored or mixed together
- chemical hazards
- confined spaces and entrapment
- working at heights
- exposure to:
 - asbestos
 - contaminated surfaces
 - debris
 - dust and fibres
 - glass
 - live power
- water testing techniques and results.

Assessment Conditions

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

Assessment must be undertaken in the workplace or in a simulated workplace environment.

Candidates must be provided with:

- relevant manufacturer instructions, regulations, codes, standards and enterprise policies and procedures
- relevant tools and equipment, personal protection equipment (PPE)
- technical references with current information on draining and acid washing swimming pool and spas:
 - chemical safety
 - acids
 - problems associated with acid washing swimming pools and spas.

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