



Australian Government

**Assessment Requirements for SISCAQU004
Develop and implement pool water
maintenance procedures**

Release: 1

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Modification History

Not applicable.

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:

- develop and document pool water maintenance procedures that meet regulatory requirements for at least one aquatic facility that incorporate:
 - monitoring and treatment procedures for:
 - microbiological levels
 - disinfectant levels
 - pH levels
 - clarity levels
 - staff training requirements
 - safety procedures
 - emergency response procedures
 - documentation and reporting
- implement and evaluate pool water maintenance procedures for at least one aquatic facility
- implement emergency procedures in the event of a chemical emergency on at least one occasion.

Knowledge Evidence

Demonstrated knowledge required to do the task outlined in elements and performance criteria of this unit:

- legislation and industry standards relevant to aquatic facility maintenance with specific focus on local requirements:
 - work health and safety/occupational health and safety
 - dangerous goods act and regulations
 - local government regulations
 - building codes and regulations
- organisational policies and procedures:
 - standard operating conditions and levels
 - work health and safety/occupational health and safety
 - risk assessment and control

- handling of hazardous chemicals
- emergency response
- factors that affect pool water treatment needs in different contexts:
 - condition of aquatic facility
 - location
 - size
 - nature of services provided
 - availability of resources
- characteristics of water quality:
 - pH levels
 - alkalinity
 - chlorine and / or bromine
 - temperature
 - calcium hardness
 - disinfectant levels
- waterborne bacteria and how to enable these to be monitored and controlled safely:
 - pseudomonas
 - aeruginosa
- consultation and communication mechanisms to develop and implement procedural systems
- content considerations for procedure documents:
 - specific testing and treatment procedures
 - safety requirements (chemicals, plant and equipment)
 - emergency response
 - training requirements
 - documentation and reporting requirements
- water treatment processes:
 - routine pool water tests
 - pool water microbiological tests
 - superchlorination
 - shock dosing
 - dechlorination
 - ozonisation or use of sanitizer
 - pool water filtration and recirculation
 - backwashing
 - manual removal of visible contaminants
- features and sources of products for pool water quality maintenance.

Assessment Conditions

Skills must be demonstrated in:

- a workplace or simulated aquatic facility or environment.

Assessment must ensure use of:

- a pool for which a maintenance program would be developed
- information about pool water quality maintenance to allow the individual to develop a tailored system
- organisational policies and procedures
- incident reporting documentation
- resources to maintain facility and equipment.

Assessment activities that allow the individual to:

- implement and monitor pool quality maintenance over time
- respond to a chemical emergency situation.

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

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=1ca50016-24d2-4161-a044-d3faa200268b>