



Australian Government

Department of Education, Employment and Workplace Relations

SRCAQU001B Monitor pool water quality

Release: 1

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Modification History

Not applicable.

Unit Descriptor

This unit has been developed for the Community Recreation Industry Training Package and covers the skills and knowledge required to monitor the water quality of swimming pools/aquatic facilities according to health standards.

Application of the Unit

Not applicable.

Licensing/Regulatory Information

Not applicable.

Pre-Requisites

Not applicable.

Employability Skills Information

Not applicable.

Elements and Performance Criteria Pre-Content

Not applicable.

Elements and Performance Criteria

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Element	Performance Criteria
1 Conduct routine pool water tests according to regulations and respond to test irregularities	1.1 Complete routine pool water tests in compliance with public health regulatory requirements and facility procedures
	1.2 Compare pool water test results to public health

regulatory requirements

- | | | |
|---|---|---|
| | 1.3 | Report pool water test irregularities to the appropriate person for corrective action |
| 2 | Respond to contamination incidents | 2.1 Continually implement visual checks for pool water quality and initiate corrective actions |
| 3 | Record routine pool water tests | 3.1 Record pool water test results to aquatic facility specifications and meet the public health regulatory requirements |

Required Skills and Knowledge

Not applicable.

Evidence Guide

The Evidence Guide identifies the critical aspects, knowledge and skills to be demonstrated to confirm competence for this unit. This is an integral part of the assessment of competence and should be read in conjunction with the Range Statements

Critical aspects of evidence to be considered

Assessment must confirm the ability integrated demonstration of all elements of competency and their performance criteria, in particular the ability to

- conduct regular pool water tests in compliance with public health regulatory requirements and correctly identify irregularities
- work within organisation policy and procedures and
- follow water treatment testing procedures governed by public health regulations for the treatment of public swimming pool water

Interdependent assessment of units

This unit must be assessed after attainment of competency in the following unit(s)

Nil

This unit must be assessed in conjunction with the following unit(s)

Nil

For the purpose of integrated assessment, this unit may be assessed in conjunction with the following unit(s)

Nil

Required knowledge and skills

Required knowledge

Organisation's objectives, policies and procedures

Procedures and processes for pool water testing

Basic pool water chemistry

Relevant occupational health and safety, government and industry regulations and legislative requirements

Required skills

Resource implications

Communication skills to record pool water test results and report irregularities

Use of pool water testing apparatus

Visual identification of pool water quality

Physical resources - assessment of this competency requires access to

an aquatic facility

an effectively simulated work environment or industry approved training centre

Human resources - assessment of this unit of competency will require human resources consistent with those outlined in the Assessment Guidelines. That is, assessors (or persons within the assessment team) must

be competent in this unit but preferably be competent in the unit at the level above

be current in their knowledge and understanding of the industry through provision of evidence of professional activity in the relevant area

have attained the mandatory competency requirements for assessors under the Australian Quality Training Framework (AQTF) as specified in Standard 7.3 of the **Standards for Registered Training Organisations**

Consistency in performance

Competence in this unit must be assessed over a period of time in order to ensure consistency of performance over the Range Statements and contexts applicable to the work environment

Context for assessment

This unit of competency must be assessed in the context of community recreation in Australia. For valid and reliable assessment the community recreation activity should closely replicate the work environment. The environment should be safe, with the hazards, circumstances and equipment likely to be encountered in a real workplace

This unit of competence should be assessed

through the observation of processes and procedures, oral and/or written questioning on required knowledge and skills and consideration of required attitudes

Where performance is not directly observed and/or is required to be demonstrated over a "period of time" and/or in a "number of locations", any evidence should be authenticated by colleagues, supervisors, clients or other appropriate persons

KEY COMPET ENCIES

Collect, Analyse&O rganise Information	Communic ate Ideas&Info rmation	Plan&Orga nise Activities	Work with Others&in Teams	Use Mathematic al Ideas&Tec hniques	Solve Problems	Use Technology
2	1	1	1	1	2	2

These levels do not relate to the Australian Qualifications Framework. They relate to the seven areas of generic competency that underpin effective workplace practices.

The three levels of performance (1, 2 and 3) denote

the level of
competency
required to
perform the
task:

Use routine
approaches

Select from
routine
approaches

Establish
new
approaches

**Collecting,
analysing
and
organising
informatio
n -**

**Communic
ating ideas
and
informatio
n -**

**Planning
and
organising
activities -**

**Working
with teams
and others
-**

**Using
mathemati
cal ideas
and
techniques
-**

**Solving
problems -**

**Using
technology
-**

Please refer
to the
Assessment
Guidelines
for advice
on how to
use the Key
Competenci
es.

Range Statement

Range Statements

The Range Statements provide advice to interpret the scope and context of this unit of competence, allowing for differences between enterprises and workplaces. The Range Statements relate to the unit as a whole and helps facilitate holistic assessment. In addition, the following variables may be present for this particular unit of competency

RANGE STATEMENT

CATEGORIES

Pool water quality

refers to

pool water that is maintained within the limits set by public health regulations for microbiological, disinfectant, pH and clarity levels

Public health regulatory requirements

may vary according to state/territory regulations but includes

Health Act

infectious diseases regulations

Dangerous goods Act and Regulations

Poisons Act

metropolitan water supply, sewerage and drainage by-laws

Occupational health and safety Act and Regulations

environment legislation

local government regulations

Routine poolwater tests

may include tests for

free chlorine

total bromine

total chlorine

combined chlorine

pH

alkalinity

cyanuric acid

calcium hardness

total hardness

temperature

Unit Sector(s)

Not applicable.