

Title	Monitor pool water quality and store pool water treatment chemicals		
Level	3	Credits	3

Purpose	People credited with this unit standard are able to: describe a public pool; monitor pool water treatment processes and related systems; monitor pool water quality in a public pool; and handle and store pool water treatment chemicals.
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Classification	Recreation and Sport > Recreation and Sport - Aquatics
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Available grade	Achieved
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Guidance Information

- 1 All learning and assessment within this unit standard must be carried out in accordance with the following, as relevant to role:
 - relevant legislation including Health and Safety at Work Act 2015, Privacy Act 1993, Human Rights Act 1993, Health and Safety at Work (Hazardous Substances) Regulations 2017, Hazardous Substances and New Organisms Act 1996, Accident Compensation Act 2001, Health Act 1956, Local Government Act 2002, and any subsequent amendments;
 - industry standards, codes and good practice guidelines including: NZS 4441:2008 *Swimming pool design Standard*; and NZS 5826:2010 *Pool water quality*, available from <http://www.standards.co.nz>;
 - organisational policies and procedures including Emergency Action Plans (EAPs), Standard Operating Procedures (SOPs) or Normal Operating Procedures (NOPs), and the use of personal protective equipment (PPE).

- 2 Definitions

Organisational policies and procedures refer to the operations manual or documented normal operating procedures at an aquatic facility that set out the way in which the facility will operate on a day-to-day basis.

Public pool is defined in NZS 5826:2010 as the pool or pools, their fixtures and surrounds, shower and changing areas, fun equipment, play areas, and attached facilities where they exist.

Qualified person is as defined in NZS 5826:2010.

Outcomes and performance criteria

Outcome 1

Describe a public pool.

Performance criteria

1.1 Describe a public pool in terms of basic components and their function.

Range pool tank, filters, disinfection system, recirculation system.

Outcome 2

Monitor pool water treatment processes and related systems.

Performance criteria

2.1 Carry out routine monitoring of pool water treatment processes and related systems.

Range monitoring includes – general surveillance of processes and related equipment, water levels and flows; indicators such as pressure and vacuum gauges, warning lights, meters and meter reading, and solution tank levels; dosing pump operation; filter operation.

2.2 Record and report data.

Outcome 3

Monitor pool water quality in a public pool.

Performance criteria

3.1 Perform water testing procedures on pool water.

Range pH, total alkalinity, free available and combined available chlorine residuals;
may include – total dissolved solids, calcium hardness, cyanuric acid.

3.2 Record and interpret test results for compliance with NZS 5826:2010.

Range chlorine levels, pH;
may include – total dissolved solids, cyanuric acid, calcium, alkalinity.

3.3 Follow procedures to deal with blood, vomit, and faecal incidents and report incidents.

3.4 Identify pool water test irregularities and report them to a qualified person for technical advice.

Outcome 4

Handle and store pool water treatment chemicals.

Performance criteria

- 4.1 Handle and store pool water treatment chemicals in accordance with manufacturers' instructions.

Replacement information	This unit standard replaced unit standard 16252.
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Planned review date	31 December 2024
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	23 May 2003	31 December 2011
Revision	2	27 June 2003	31 December 2011
Review	3	12 February 2010	31 December 2011
Revision	4	18 February 2011	31 December 2021
Review	5	28 November 2019	N/A

Consent and Moderation Requirements (CMR) reference	0099
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

Comments on this unit standard

Please contact Skills Active Aotearoa Limited info@skillsactive.org.nz if you wish to suggest changes to the content of this unit standard.