

Title	Repair and maintain equipment and structures for New Zealand land-based aquaculture		
Level	4	Credits	15

Purpose	People credited with this unit standard are able to, for land-based aquaculture: describe the equipment and structures used; prepare for repair and maintenance of equipment and structures; repair and maintain equipment and structures and access licensed trades personnel where necessary; and report on the repair and maintenance of equipment and structures.
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Classification	Seafood > Aquaculture
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Available grade	Achieved
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Guidance Information

- 1 Legislation relevant to this unit standard includes but is not limited to:
 - Biosecurity Act 1993;
 - Health and Safety at Work Act 2015;
 - Resource Management Act 1991;
 and any subsequent amendments.
- 2 Definitions

Company requirements refer to instructions to staff on policy and procedures that are communicated in an oral or written form. These requirements must include legislation and safety requirements and may include but are not limited to – manufacturers' instructions, industry codes of practice and standards. Company requirements must include legislative requirements.

Land-based equipment may include but is not limited to – pumps, filters, monitoring equipment, generators, blowers;

Land-based structures may include but are not limited to – ponds, raceways, intakes, hatchery, grow-out, cages, tanks, pipes.
- 3 All evidence presented in this unit standard must be in accordance with company requirements.

Outcomes and performance criteria

Outcome 1

Describe the equipment and structures used for land-based aquaculture.

Range freshwater or salt water;
 evidence of one of each is required.

Performance criteria

- 1.1 Describe the design and function of structures used for land-based aquaculture.
- 1.2 Describe the impact the structures used have on the environment for land-based aquaculture.
- 1.3 Describe the design and function of equipment used for land-based aquaculture.

Outcome 2

Prepare for repair and maintenance of equipment and structures for land-based aquaculture.

Range freshwater or salt water;
 evidence of one of each is required.

Performance criteria

- 2.1 Prepare a schedule for the repair and maintenance of equipment and structures identifying the work to be done, safety and legislation requirements and the resources required.

 Range resources may include but are not limited to – equipment, tools, spare parts, trades personnel, company personnel;
 evidence of three resources is required.
- 2.2 Distribute the repair and maintenance schedule to relevant personnel.
- 2.3 Collect and check for serviceability, the resources required for the repair and maintenance, so that the work can be carried out.

Outcome 3

Repair and maintain equipment and structures and access licensed trades personnel where necessary, for land-based aquaculture.

Range freshwater or salt water;
 evidence of one of each is required.

Performance criteria

- 3.1 Repair and maintain equipment in accordance with the repair and maintenance schedule.
- Range includes but is not limited to – corrosion, wear and tear, damage.
- 3.2 Repair and maintain structures in accordance with the repair and maintenance schedule.
- Range includes but is not limited to – corrosion, structural integrity, damage.
- 3.3 Access licensed trades personnel where necessary in accordance with legislation requirements.

Outcome 4

Report on the repair and maintenance of equipment and structures for land-based aquaculture.

Range freshwater or salt water;
evidence of one of each is required.

Performance criteria

- 4.1 Document and report repair and maintenance problems and progress in accordance with legislative requirements.
- 4.2 Identify areas for improvement in the performance of equipment and structures during repair and maintenance, and document and report recommendations.

Planned review date	31 December 2028
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	23 February 2007	31 December 2024
Rollover	2	20 February 2009	31 December 2024
Review	3	28 October 2021	N/A
Rollover	4	29 February 2024	N/A

Consent and Moderation Requirements (CMR) reference	0123
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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 the Muka Tangata - People, Food and Fibre Workforce Development Council qualifications@mukatangata.nz if you wish to suggest changes to the content of this unit standard.