

Title	Describe and operate environmental systems equipment in a primary products food processing operation		
Level	4	Credits	10

Purpose	People credited with this unit standard are able to: describe environmental systems equipment; operate environmental systems equipment; and conduct routine maintenance of environmental systems equipment, used in a primary products food processing operation.
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Classification	Primary Products Food Processing > Primary Products Food Processing - Operational Skills
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Available grade	Achieved
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Guidance Information

- 1 Legislation and references relevant to this unit standard includes but are not limited to:
 - Health and Safety at Work Act 2015;
 - Health and Safety in Employment Regulation 1995; and any subsequent amendments.
- 2 Definitions

Organisational requirements – instructions to staff on policies and procedures which are documented in memo, electronic or manual format and are available in the workplace.

Routine maintenance may include but is not limited to – servicing, adjustments, and repairs to equipment and must be conducted within product safety and work permit requirements.
- 3 *Environmental systems equipment* may include but is not limited to – biological wastewater treatment plants, dissolved air filtration (DAF) plants land based wastewater treatment equipment and irrigation equipment.
- 4 Evidence for the practical components of this unit standard must be supplied from the workplace.
- 5 All evidence presented in this unit standard must be in accordance with organisational requirements.

Outcomes and performance criteria

Outcome 1

Describe environmental systems equipment used in a primary products food processing operation.

Performance criteria

- 1.1 Describe environmental systems equipment used in a primary products food processing operation in terms of its type and function.
- Range evidence of three different types of environmental systems equipment is required.
- 1.2 Describe safety issues related to the use of environmental systems equipment.
- Range evidence of three different safety issues is required.
- 1.3 Describe roles of individuals using environmental systems equipment in terms of responsibilities and accountabilities.
- Range evidence of two different roles is required.

Outcome 2

Operate environmental systems equipment in a primary products food processing operation.

Performance criteria

- 2.1 Personal protective equipment for operating environmental systems equipment is worn in accordance with legislative requirements.
- 2.2 Identify, isolate, minimise or eliminate any hazards in accordance with legislative requirements.
- 2.3 Operate environmental systems equipment in accordance with manufacturing specifications.

Outcome 3

Conduct routine maintenance of environmental systems equipment in a primary products food processing operation.

Performance criteria

- 3.1 Make visual checks of equipment to detect any signs of faults and damage.
- 3.2 Record and report any identified faults or damage.

- 3.3 Implement a maintenance schedule.
- 3.4 Maintain equipment and return to operating order following maintenance.
- 3.5 Complete maintenance documentation.

Planned review date	31 December 2026
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Last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	17 September 2015	31 December 2024
Review	2	24 March 2022	N/A

Consent and Moderation Requirements (CMR) reference	0033
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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 Hanga-Aro-Rau Manufacturing, Engineering, and Logistics Workforce Development Council qualifications@hangaarorau.nz if you wish to suggest changes to the content of this unit standard.