

Title	Demonstrate knowledge of land based treatment systems in a primary products food processing operation		
Level	4	Credits	10

Purpose	<p>This entry-level unit standard is for people who are responsible for applying environmental practices in their work area, in a primary products food processing operation.</p> <p>People credited with this unit standard are able to demonstrate knowledge of: the mechanisms of land-based wastewater treatment systems; sampling and monitoring requirements for land based wastewater treatment systems; and land based wastewater treatment systems operation and design, used in a primary products food processing operation.</p>
----------------	---

Classification	Primary Products Food Processing > Primary Products Food Processing - Operational Skills
-----------------------	--

Available grade	Achieved
------------------------	----------

Guidance Information

- 1 Legislation relevant to this unit standard includes but is not limited to – Hazardous Substances and New Organisms Act 1996, Health and Safety in Employment Act 1992, Health and Safety in Employment Regulations 1995, Resource Management Act 1991.
- 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.
 - Primary products food processing operation* – covers a meat processing, dairy processing, seafood or baking yeasts manufacturing operation.

Outcomes and performance criteria

Outcome 1

Demonstrate knowledge of the soil requirements and the effects of wastewater irrigation in land-based wastewater treatment systems used in a primary products food processing operation.

Performance criteria

- 1.1 Soil requirements for, and treatment processes occurring in, land-based treatment of wastewater are identified and described in terms of suitability and structure.
- 1.2 Effects of wastewater irrigation are explained in terms of ground water, surface water, soil and atmosphere.

Outcome 2

Demonstrate knowledge of sampling and monitoring requirements for land based wastewater treatment systems used in a primary products food processing operation.

Performance criteria

- 2.1 Process of monitoring land based wastewater treatment systems is described in terms of organisational requirements.
- 2.2 Process of environmental sampling carried out on land based wastewater treatment systems is described in terms of organisational requirements.

Outcome 3

Demonstrate knowledge of land based wastewater treatment systems operation and

Performance criteria

- 3.1 Process of managing and integrating land based wastewater treatment systems with farming operations is described in terms of the effects on the primary products food processing operation and the environment.
- 3.2 Factors to take into account when designing an irrigation system for land based wastewater treatment are identified and described in terms of their effect on the design process.

Replacement information	This unit standard replaced unit standard 19328.
--------------------------------	--

This unit standard is expiring. Assessment against the standard must take place by the last date for assessment set out below.

Status information and 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	31 December 2024

Consent and Moderation Requirements (CMR) reference	0033
--	------

This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

This unit standard is expiring