

Title	Describe and maintain an oxidation pond system for dairy effluent treatment		
Level	3	Credits	5

Purpose	People credited with this unit standard are able to maintain an oxidation pond for dairy effluent treatment and the associated records. They are also able to describe: the purpose, benefits, and components of the system; and its potential functional problems, their adverse effects on the environment, and the actions required for correction of the effects.
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Classification	Agriculture > Dairy Farming
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Available grade	Achieved
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Explanatory notes

- 1 Legislation and bylaws include but are not limited to – Resource Management Act 1991, territorial and local authority bylaws.
- 2 Industry texts include but are not limited to – *Managing Farm Dairy Effluent*, Dairying and the Environment Committee, 2006, available from <http://www.trc.govt.nz/dairy-farm-effluent/>
NZCP1: Code of Practice for the Design and Operation of Farm Dairies, New Zealand Food Safety Authority, 2007.
- 3 Definitions
Dairy effluent refers to dairy effluent material containing between 5–20% solids.
On-farm procedures refer to the written and verbal instructions to staff on oxidation pond system maintenance, problems, and record keeping, and which must meet the requirements of current legislation and bylaws.
- 4 Assessment
The purposes of assessment an oxidation pond system applies from the storage area to the pond area.

Outcomes and evidence requirements

Outcome 1

Describe the purpose, benefits, and components of an oxidation pond system for dairy effluent treatment.

Evidence requirements

1.1 An oxidation pond system is described in terms of its purpose and benefits and in accordance with industry texts.

1.2 An oxidation pond system is described in terms of its components.

Range components may include but are not limited to – anaerobic pond, aerobic pond, inlet pipes, outlet pipes, baffles, stirrer, mechanical aerator;
evidence is required for at least four.

Outcome 2

Maintain an oxidation pond system and the associated records.

Evidence requirements

2.1 An oxidation pond system is monitored and maintained in accordance with on-farm procedures.

2.2 Records of maintenance are maintained in accordance with on-farm procedures.

Outcome 3

Describe potential functional problems associated with an oxidation pond system, their adverse effects on the environment, and the actions required for correction of the effects.

Evidence requirements

3.1 Potential functional problems are described in terms of their adverse effects on the environment.

Range evidence is required for at least three functional problems.

3.2 Actions required to correct the adverse effects of functional problems are described in terms of on-farm procedures.

Range evidence is required for at least three functional problems.

Replacement information	This unit standard and unit standards 25726, 25727, 25728, 25730, 25731, 25732 have been replaced by unit standards 28940 and 28941
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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 July 2009	31 December 2020
Review	2	16 July 2015	31 December 2020

Consent and Moderation Requirements (CMR) reference	0052
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

Please note

Providers must be granted consent to assess against standards (accredited) by NZQA, before they can report credits from assessment against unit standards or deliver courses of study leading to that assessment.

Industry Training Organisations must be granted consent to assess against standards by NZQA before they can register credits from assessment against unit standards.

Providers and Industry Training Organisations, which have been granted consent and which are assessing against unit standards must engage with the moderation system that applies to those standards.

Requirements for consent to assess and an outline of the moderation system that applies to this standard are outlined in the Consent and Moderation Requirements (CMR). The CMR also includes useful information about special requirements for organisations wishing to develop education and training programmes, such as minimum qualifications for tutors and assessors, and special resource requirements.

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expiring