

Demonstrate knowledge of livestock effluent management

Level 4

Credits 4

Purpose People credited with this unit standard are able to demonstrate knowledge of: the requirements for effluent management for livestock operation of a stated livestock type; the characteristics of effluent disposal options; and the operation of an effluent management system.

Subfield Agriculture

Domain Farming Skills

Status Registered

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Entry information Open.

Accreditation Evaluation of documentation and visit by NZQA, industry and teaching professional in the same field from another provider.

Standard setting body (SSB) Primary Industry Training Organisation

Accreditation and Moderation Action Plan (AMAP) reference 0052

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

Special notes

Legislation relevant to this unit standard includes the Resource Management Act 1991, and its subsequent amendments.

Elements and performance criteria

Element 1

Demonstrate knowledge of the requirements for effluent management for a livestock operation of a stated livestock type.

Performance criteria

- 1.1 Livestock waste is determined by volume for a specified situation.
- 1.2 Effluent management is described in terms of the environmental, productive, and economic implications of discharge.
- 1.3 Effluent disposal is described in terms of statutory and local body requirements.

Range Resource Management Act 1991, Local Authority plans, Industry Code of Practice where existing.

Element 2

Demonstrate knowledge of the characteristics of effluent disposal options.

Range includes but not limited to – spray irrigation: travelling, stationary; discharge to water: pond, barrier; contracted spreading: contractor tanker spreading, contracted spray irrigation; wetlands.

Performance criteria

- 2.1 Effluent disposal options are described in terms of their physical and operational requirements.
- 2.2 Effluent disposal options are compared in terms of their advantages and disadvantages, and suitability for different situations.

Element 3

Demonstrate knowledge of the operation of an effluent management system.

Range one of – spray irrigation: travelling, stationary; discharge to water: pond, barrier; contracted spreading: contractor tanker spreading, contracted spray irrigation; wetlands.

Performance criteria

- 3.1 The effluent system is described in terms of its processes and capacity.
- 3.2 Efficiency factors are identified and described in terms of the operating requirements.

- 3.3 Common system malfunctions are described in terms of their indicators and remedies.
- 3.4 Forward planning requirements of the system are identified and described in terms of the management options.

Please note

Providers must be accredited by NZQA, or an inter-institutional body with delegated authority for quality assurance, before they can report credits from assessment against unit standards or deliver courses of study leading to that assessment.

Industry Training Organisations must be accredited by NZQA before they can register credits from assessment against unit standards.

Accredited providers and Industry Training Organisations assessing against unit standards must engage with the moderation system that applies to those standards.

Accreditation requirements and an outline of the moderation system that applies to this standard are outlined in the Accreditation and Moderation Action Plan (AMAP). The AMAP 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.

Comments on this unit standard

Please contact the Primary Industry Training Organisation standards@primaryito.ac.nz if you wish to suggest changes to the content of this unit standard.