



Australian Government

AHCLSK506 Design livestock effluent systems

Release: 1

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Modification History

Release Number	TP Version	Comments
1	AHCv1.0	Initial release

Application

This unit of competency describes the skills and knowledge required to design and plan livestock effluent systems.

This unit applies to livestock production managers or specialists who design effluent and disposal systems.

All work must be carried out to comply with workplace procedures, work health and safety, animal welfare and biosecurity legislation and codes of practice and sustainability practices.

This unit applies to individuals who take personal responsibility and exercise autonomy in undertaking complex work. They analyse design and communicate solutions to sometimes complex problems.

No occupational licensing, legislative or certification requirements are known to apply to this unit at the time of publication.

Pre-requisite Unit

Nil.

Unit Sector

Livestock (LSK)

Elements and Performance Criteria

Element	Performance criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
1. Determine the feasibility of an effluent management system	1.1 Assess and determine planning parameters that affect the design of effluent management systems 1.2 Assess and determine statutory, local government and environment authority requirements for effluent disposal 1.3 Assess and determine the environmental impacts of livestock

Element	Performance criteria
	effluent disposal 1.4 Evaluate effluent recycling options in conjunction with the enterprise plan 1.5 Analyse effluent processing options on the basis of their merits and suitability for the environment 1.6 Obtain information from effluent management specialists on all relevant aspects of effluent management 1.7 Assess and determine an effluent management system on the basis of a cost benefit analysis
2. Design an effluent management system	2.1 Calculate the volume of livestock effluent using information collected from enterprise plans, industry and enterprise production data and other sources 2.2 Calculate the volume of water flowing into the effluent management system 2.3 Calculate storage requirements 2.4 Obtain professional advice appropriate to the complexity of the task and the financial risk involved 2.5 Ensure plan and layout include provision of access, availability and the incorporation of technological innovations 2.6 Assess and evaluate work health and safety hazards and risks, establish safe systems, and maintain records 2.7 Ensure effluent management system design reflects the requirements of the enterprise business plan, production plan and management plan

Foundation Skills

Foundation Skills essential to performance are explicit in the performance criteria of this unit of competency.

Range of Conditions

Unit Mapping Information

This unit is equivalent to AHCLSK506A Design livestock effluent systems

Links

Companion Volume implementation guides are found in VETNet - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72>

