



Australian Government

Assessment Requirements for AHCLSK514 Design livestock effluent systems

Release: 1

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Modification History

Release	Comments
Release 1	This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Release 11.0.

Performance Evidence

An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit.

There must be evidence that the individual has designed livestock effluent systems on at least one occasion, and has:

- assessed the effectiveness of a range of effluent management systems to meet the requirements of statutory, local government and environment authorities for effluent disposal
- conducted cost-benefit analysis of livestock effluent management systems to select a suitable effluent management system
- designed an effluent management system and planned the layout of the system that meets environmental standards and workplace requirements
- implemented and incorporated relevant workplace health and safety and environment and biosecurity legislation, regulations and workplace procedures into the design of livestock effluent management systems.

Knowledge Evidence

An individual must be able to demonstrate knowledge required to perform the tasks outlined in the elements and performance criteria of this unit. This includes knowledge of:

- workplace requirements applicable to health and safety in the workplace for designing livestock effluent systems
- environment and biosecurity legislation and regulations and workplace practices relevant to designing livestock effluent systems
- principles and practices for designing livestock effluent management systems, including:
 - types, functions, characteristics, disadvantages and advantages of effluent management systems, including storage, recycling, processing and disposal
 - industry standards, industry and workplace production parameters, data and information for the design and planning of effluent management systems

- uses and processes for cost-benefit analyses, and their applications in relation to livestock production and effluent management
- types and use of information required, and methods for the assessment and determination of effluent production, output and volume for livestock workplaces
- effects and impacts of different livestock production systems on the design and planning of effluent management systems
- types and use of information and advice from other professions or industry sectors that are relevant to livestock workplaces in the design of effluent management systems, including engineering and financial professions.

Assessment Conditions

Assessment of the skills in this unit of competency must take place under the following conditions:

- physical conditions:
 - a workplace setting or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - computer hardware and software relevant to researching livestock effluent management systems and documenting the design
- specifications:
 - workplace requirements applicable to health and safety in the workplace for designing livestock effluent management systems
 - environment and biosecurity legislation and regulations and workplace practices applicable to designing livestock effluent management systems
 - industry standards, industry and workplace production parameters, data and information for the design and planning of effluent management systems
- relationships:
 - effluent management specialists
- time frames:
 - according to job requirements.

Assessors of this unit must satisfy current the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

Links

Companion Volumes, including Implementation Guides, are available at VETNet: - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72>