

Modification history

Release	Comments
Release 1	This version released with AMP Meat Processing Training Package Version 4.0

AMPA415	Manage biogas facilities
Application	<p>This unit of competency describes the skills and knowledge required to evaluate and optimise the performance of a biogas collection facility.</p> <p>The unit applies to individuals who are responsible for managing the process of capturing and utilising biogas as an energy source.</p> <p>Those undertaking this unit would work autonomously and have responsibility for the performance and ongoing efficient operation of a biogas collection facility.</p> <p>All work must be carried out to comply with workplace procedures, according to state/territory health and safety regulations, legislation and standards that apply to the workplace.</p> <p>No occupational licensing, legislative or certification requirements apply to this unit at the time of publication.</p>
Prerequisite Unit	Nil
Unit Sector	Abattoirs

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Identify enterprise biogas requirements	1.1 Identify biogas requirements for all relevant areas of the enterprise 1.2 Determine enterprise's ongoing biogas production capability? and usage using agreed benchmarks 1.3 Analyse performance data and use to identify trends in enterprise requirements.
2. Monitor and control performance of biogas collection system	2.1 Establish performance standards and indicators using agreed benchmarks and best practice methods 2.2 Monitor impact of upstream conditions on biogas collection system 2.3 Develop and maintain record keeping systems
3. Comply with regulatory requirements for biogas collection facilities	3.1 Comply with the appropriate State regulations governing gas fuel and odour emissions 3.2 Meet the requirements of the relevant licensing agreements for biogas collection facilities 3.3 Follow WHS regulations for hazards concerning biogas production, storage, transport and use.
4. Comply with the requirements for safe design and operation of biogas facilities	4.1 Comply with the appropriate Standards governing the design and construction of biogas systems 4.2 Develop and maintain a site-specific Safety Management Plan covering the risks and management associated with a biogas system.

Foundation Skills	
<i>This section describes those language, literacy, numeracy and employment skills that are essential for performance in this unit of competency but are not explicit in the performance criteria.</i>	
Skill	Description
Reading	<ul style="list-style-type: none"> Comprehend Standards and regulations
Writing	<ul style="list-style-type: none"> Prepare applications to meet regulatory requirements
Oral communication	<ul style="list-style-type: none"> Use appropriate language to communicate and provide direction to team members
Numeracy	<ul style="list-style-type: none"> Read and interpret data related to biogas output and performance

The Range of Conditions is an optional field. Please delete these instructions and if the unit does not have a range of conditions, please delete the Range of conditions table too.

Range Of Conditions	
<i>This section specifies different work environments and conditions that may affect performance. Essential operating conditions that may be present (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) are included.</i>	
	<ul style="list-style-type: none">

Unit Mapping Information			
Code and title current version	Code and title previous version	Comments	Equivalence status
AMPA415 Manage biogas collection facilities			No equivalent unit

Links	Companion Volumes, including Implementation Guides, are available at VETNet: [Insert hyperlink for the training package]. <i>See Guidelines for developing training package products for directions on how to find the right hyperlink</i>
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TITLE	Assessment requirements for AMPA415 Manage biogas facilities
Performance Evidence	
<p>An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit.</p> <p>There must be evidence that the individual has:</p> <ul style="list-style-type: none"> • analysed biogas requirements of the enterprise and the impacts on biogas collection and usage • calculated and analysed biogas usage for planning purposes • developed performance measures for biogas collection facility operations based on decided benchmarks • interpreted and reviewed data captured as part of performance monitoring • identified and applied relevant workplace health and safety, environmental and licensing requirements 	
Knowledge Evidence	
<p>An individual must be able to demonstrate the knowledge required to perform the tasks outlined in the elements and performance criteria of this unit. This includes knowledge of:</p> <ul style="list-style-type: none"> • principles and methods of biogas production using anaerobic technology • the components of a biogas collection and storage system • regulations and standards applying to biogas capture, storage and usage • uses and requirements for biogas • enterprise procedures and systems for measuring the use of capture biogas 	
Assessment Conditions	
<p>Assessment of skills must take place under the following conditions:</p> <ul style="list-style-type: none"> • physical conditions: <ul style="list-style-type: none"> • skills must be demonstrated in an operating biogas facility • resources, equipment and materials: <ul style="list-style-type: none"> • appropriate items of personal protective equipment • specifications: <ul style="list-style-type: none"> • workplace documents such as policies, procedures, processes, forms • legislation/codes of practice • a minimum of three different forms of assessment must be used. <p>Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.</p>	
Links	<p>Companion Volumes, including Implementation Guides, are available at VETNet: [Insert hyperlink for the training package]. <i>See Guidelines for developing training package products for directions on how to find the right hyperlink</i></p>