



Australian Government

AMPA3137 Operate biogas facilities

Release: 1

AMPA3137 Operate biogas facilities

Modification History

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

Application

This unit of competency describes the skills and knowledge required to operate biogas facilities, including monitoring processes and identifying faults or unusual activity within the system.

The unit applies to individuals with responsibility for the day-to-day operation of a biogas facility.

Those undertaking this unit would work under supervision, while performing routine tasks within a range of familiar contexts.

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

Pre-requisite Unit

Nil

Unit Sector

Abattoirs

Elements and Performance Criteria

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. Inspect biogas facilities	1.1 Inspect biogas facilities each shift and record and monitor results 1.2 Collect process samples and conduct standard tests 1.3 Identify, record and report any faults in the biogas system 1.4 Follow work health and safety (WHS) requirements and work instructions

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
2. Complete documentation	2.1 Collect, interpret and record process data according to workplace requirements 2.2. Log any unusual aspects identified in the biogas system
3. Operate safely when working in biogas facilities	3.1 Select and check equipment and tools required to meet safety requirements of site and task 3.2 Select, fit and use personal protective equipment 3.3 Follow safe operating procedures to protect biogas system infrastructure 3.4 Follow safe operating practices when working on and near covered anaerobic lagoon (CAL) covers including biogas transmission lines and storage 3.5 Follow and implements the site's Safety Management Plan

Foundation Skills

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.

Skill	Description
Reading	Reads and interprets workplace instructions and standard operating procedures
Writing	Completes records and logs correctly
Communication	Communicates with supervisors to notify faults

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
AMPA3137 Operate biogas	Not applicable	New unit	No equivalent unit

facilities			
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Links

Companion Volumes, including Implementation Guides, are available at VETNet: -
<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=5e2e56b7-698f-4822-84bb-25adbb8443a7>

Assessment Requirements for AMPA3137 Operate biogas facilities

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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, on a least one occasion:

- taken samples and monitored results
- completed logs and reports
- met the required safety conditions for working in the biogas facility
- collected data and completed required documentation.

Knowledge Evidence

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:

- features and components of a biogas system
- flow rates and measurements
- risk factors and potential hazards related to working in a biogas facility
- potential operational problems
- data analysis.

Assessment Conditions

Assessment of skills must take place under the following conditions:

- physical conditions:
 - skills must be demonstrated in an operating biogas facility
- resources, equipment and materials:
 - access to personal protective equipment
- specifications:
 - workplace documents such as work instructions, standard operating procedures and safety data sheets

- manufacturer's operating instructions for specific equipment and machinery used in the workplace
- relationships:
 - team member(s), supervisor(s).

As a minimum, the following three forms of evidence must be used:

- quiz of underpinning knowledge
- workplace demonstration
- workplace referee or third-party report of performance over time.

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

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