



Australian Government

AHCWRK319 Handle bulk materials in a storage area

Release: 1

AHCWRK319 Handle bulk materials in a storage area

Modification History

Release	Comments
Release 1	This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 9.0.

Application

This unit of competency describes the skills and knowledge required to safely receive, move and sample bulk materials (in liquid and solid form, not classified as dangerous goods) in a storage area to minimise loss or damage, and repair, clean and maintain storage facility according to industry standards and storage program.

The unit applies to individuals who handle bulk materials in a bulk storage environment under broad direction and take responsibility for their own work.

All work must be carried out to comply with workplace procedures, health and safety in the workplace requirements, legislative and regulatory requirements, and environment and biosecurity practices.

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

Pre-requisite Unit

Nil

Unit Sector

Work (WRK)

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. Prepare to work in bulk materials storage area	1.1 Confirm job requirements according to workplace procedures 1.2 Identify hazards and risks, and implement safe working practices to manage risks 1.3 Select, fit, use and maintain personal protective equipment (PPE)

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	applicable to the task 1.4 Select, check and maintain tools and equipment for bulk storage work 1.5 Identify environmental risks associated with undertaking work in the bulk materials storage area, assess likely outcomes and take appropriate action to minimise risks 1.6 Follow biosecurity protocols for storage facilities 1.7 Identify and comply with legislative, regulatory and industry requirements
2. Sample bulk materials for testing	2.1 Take representative samples of bulk material for testing according to workplace procedures 2.2 Follow workplace health and safety procedures when taking samples 2.3 Prepare and label representative bulk material samples for dispatch according to workplace procedures 2.4 Dispatch samples according to workplace procedures
3. Move bulk materials into and out of storage	3.1 Identify bulk materials for handling and storage according to job requirements 3.2 Segregate bulk materials by volume, type, variety and quality characteristics according to workplace specifications 3.3 Check and take measures to minimise infestation and contamination of bulk materials during movement according to workplace procedures 3.4 Select storage type and handling equipment for each bulk material according to the material characteristics and properties 3.5 Implement measures to minimise the effect of product properties on the flow of bulk materials 3.6 Operate, clean and store equipment used for bulk storage according to workplace and environmental procedures 3.7 Complete records according to workplace procedures
4. Repair, clean and maintain storage facility	4.1 Identify equipment and facilities requiring repair or maintenance 4.2 Conduct maintenance and repairs according to workplace procedures 4.3 Complete maintenance records according to workplace procedures

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	4.4 Clean and tidy work area and dispose of or recycle unwanted materials and waste 4.5 Clean, maintain and store tools, equipment and PPE according to workplace procedures 4.6 Identify and report maintenance and repairs, and unserviceable machinery, tools and equipment according to workplace procedures

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	Identify and interpret workplace documentation to identify relevant and key information about bulk materials handling requirements
Writing	Use clear language, accurate industry terminology and logical structure to prepare records

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
AHCWRK319 Handle bulk materials in a storage area	AHCWRK308 Handle bulk materials in storage area	Minor changes to unit title and application Major and minor changes to performance criteria and foundation skills Minor edits to performance and knowledge evidence and assessment conditions	Equivalent

Links

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

Assessment Requirements for AHCWRK319 Handle bulk materials in a storage area

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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 handled bulk materials in a storage area on at least one occasion and has:

- confirmed work instructions for tasks required and bulk materials to be handled
- recognised and reported workplace health and safety hazards and used safe work practices
- applied workplace health and safety requirements, including fitted and used personal protective equipment (PPE)
- prepared and safely used equipment for bulk storage activities
- assessed work implications for the storage environment and determined actions and activity to address possible outcomes
- identified bulk materials legislative, regulatory and biosecurity implications, and implemented appropriate protocols and procedures for compliance
- collected, prepared, labelled and dispatched samples of bulk materials for testing
- maintained quality and minimised infestations and contamination of the product
- selected appropriate storage type and equipment, and moved bulk material in storage area according to required bulk material characteristics
- applied measures to ensure product flow was maintained
- cleaned and tidied up work area, maintained and stored machinery, tools and equipment, and disposed of waste according to workplace environmental procedures and maintenance requirements
- maintained records for bulk storage, handling and equipment maintenance
- recognised, reported and rectified operational faults of storage facilities and equipment.

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:

- bulk storage legislative requirements, manufacturer instructions and workplace procedures

- safety hazards, risks and controls associated with bulk storage
- workplace requirements applicable to health and safety in the workplace for handling bulk materials in a storage area, including appropriate use of PPE
- bulk storage tools and equipment and their operation
- environmental impact associated with bulk storage operations
- sampling techniques, quality and classification
- workplace and industry guidelines for segregation of bulk materials, and related quality assurance principles
- common bulk material biological and product contamination and the problems they can cause for storage
- effect of product properties, including contaminants and desiccant dusts, on the flow of the product
- storage operations and configuration
- types of materials and their characteristics suitable for bulk storage
- cleaning and storage of machinery and equipment
- workplace recording and reporting procedures.

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:
 - bulk materials
 - tools, equipment and machinery used to handle bulk materials
 - PPE applicable to handling bulk materials in a storage area
- specifications:
 - workplace procedures for bulk storage operations
 - operating instructions for required tools, equipment and machinery
 - safety data sheets for cleaning products
 - workplace job specifications or client briefs
 - workplace health and safety legislation, regulations, codes of practice and workplace procedures relevant to handling bulk materials in a storage area
 - workplace environmental procedures relevant to bulk storage operations.

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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