



Australian Government

AHCDRG202 Maintain drainage systems

Release: 1

AHCDRG202 Maintain drainage systems

Modification History

Release	Comments
Release 1	This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 4.0.

Application

This unit of competency describes the skills and knowledge required to inspect and carry out routine cleaning and maintenance of draining systems.

The unit applies to individuals who maintain drainage systems under general supervision with limited autonomy and accountability.

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

Pre-requisite Unit

Nil

Unit Sector

Drainage (DRG)

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 drainage systems	1.1 Confirm with supervisor activity to be undertaken, including identifying potential hazards and risks and implementing safe working practices to minimise risks to self and others 1.2 Select, fit and use personal protective equipment applicable to the task 1.3 Inspect drainage system visually for blockages, leaks and operating faults
2. Assist with system	2.1 Inspect components for wear or blockage

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
component maintenance	2.2 Service mechanical equipment as directed 2.3 Replace simple components as directed
3. Remove silt and weed growth	3.1 Clean silt from channels, drains, sumps and crossings 3.2 Remove weed growth 3.3 Flush drainage system 3.4 Observe water flow through channels and from outlets to confirm it is unobstructed
4. Record and report maintenance activities	4.1 Record blockage or leakage by type and location of the section of the system affected 4.2 Record and report damaged or faulty equipment 4.3 Record and report all routine maintenance activities 4.4 Check drainage system regularly

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	Interpret textual information from a range of sources to identify relevant and key information about workplace operations
Oral communication	Use clear language to report drainage system damaged or faulty equipment and routine maintenance activities
Numeracy skills	Identify replacement component part numbers
Navigate the world of work	Recognise and follow workplace requirements, including safety requirements, associated with own role and area of responsibility

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
AHCDRG202 Maintain drainage systems	AHCDRG201 Maintain drainage systems	Performance criteria clarified Foundation skills added Assessment requirements updated	Equivalent unit

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 AHCDRG202 Maintain drainage systems

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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 maintained drainage systems on at least two occasions and has:

- inspected and maintained simple drainage system components
- inspected components for wear
- monitored and removed weeds and silt build up
- recorded and reported damage, blockages and leakages.

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:

- principles and practices of drainage system maintenance, including:
 - drainage system cleaning procedures
 - equipment used to clean and maintain drainage systems
 - manual and mechanical weed removal methods
 - types of drainage systems.

Assessment Conditions

Assessment of skills must take place under the following conditions:

- physical conditions:
 - a workplace setting or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - work instructions and workplace procedures applicable to maintaining drainage systems
 - drainage system maintenance tools and equipment
 - personal protective equipment applicable to maintaining drainage systems

- specifications:
 - work instructions
- relationships:
 - supervisor
- timeframes:
 - according to job requirements.

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

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