



Australian Government

AHCDRG307 Troubleshoot drainage systems

Release: 1

AHCDRG307 Troubleshoot drainage systems

Modification History

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

Application

This unit of competency describes the skills and knowledge required to troubleshoot issues in drainage systems.

The unit applies to individuals who troubleshoot drainage systems under broad direction and take responsibility for their own work.

This unit is for industry specific drainage application not home-based.

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. Prepare for work	1.1 Identify drainage system issues and develop plans to rectify them 1.2 Locate the affected section of drainage system 1.3 Determine work requirements and responsibility for repair 1.4 Select materials, tools, equipment and machinery 1.5 Identify potential hazards and risks and implement safe working practices to manage risks

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	1.6 Minimise environmental impacts of drainage system maintenance activities 1.7 Select, fit, use and maintain personal protective equipment applicable to the task 1.8 Carry out pre-operational and safety checks on tools, equipment and machinery
2. Determine access to drainage system	2.1 Read drainage system plan and locate access points 2.2 Carry out digging to access drainage system without unnecessary damage to buildings, site, environment or existing fixtures and fittings
3. Carry out work	3.1 Use safe manual lifting and handling techniques for drainage related equipment 3.2 Access drainage system and rectify identified issue 3.3 Test drainage system to confirm issue has been rectified 3.4 Repair or reseal drainage system to permit normal use 3.5 Advise relevant personnel when repairs are completed and drainage system has been commissioned for use
4. Complete work	4.1 Clean work area and dispose of debris and waste 4.2 Clean and maintain tools and equipment 4.3 Report and record repair activities

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 repair activities
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
AHCDRG307 Troubleshoot drainage systems	AHCDRG303 Troubleshoot 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 AHCDRG307 Troubleshoot 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 troubleshoot and repaired a drainage system on at least one occasion and has:

- identified a range of drainage system issues, including surface and sub-surface issues
- planned and prepared for the work
- inspected the site to determine access to drainage system
- completed a range of rectification works for drainage systems
- tested the system and cleaned up after rectifying identified issues.

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:

- drainage system repair work instructions and procedures
- types and operational parameters of drainage systems
- types of drainage systems and issues common these systems
- principles and practices of drainage system troubleshooting
- components used in drainage systems
- safe working practices applicable to troubleshooting and repairing drainage systems
- environmental impacts 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:

- drainage system repair work instructions and workplace procedures
- drainage system equipment
- drainage system repair tools, equipment and machinery
- personal protective equipment applicable to repairing drainage systems
- 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.

Links

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