

Modification history

Release	Comments
Release 2	This version released with AHC Agriculture, Horticulture, Conservation and Land Management Training Package Version 4.0.
Release 1	This version released with AHC Agriculture, Horticulture, Conservation and Land Management Training Package Version 1.0.

AHCDRG303	Troubleshoot drainage systems
Application	<p>This unit of competency describes the skills and knowledge required to troubleshoot issues in drainage systems.</p> <p>The unit applies to individuals who troubleshoot drainage systems under broad direction and take responsibility for their own work.</p> <p>No occupational licensing, legislative or certification requirements apply to this unit at the time of publication.</p>
Prerequisite Unit	Nil
Unit Sector	Drainage (DRG)

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 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 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 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	
<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"> Interpret textual information from a range of sources to identify relevant and key information about workplace operations
Writing	<ul style="list-style-type: none"> Document drainage system repair activities
Oral communication	<ul style="list-style-type: none"> Use clear language to report drainage system repair activities
Navigate the world of work	<ul style="list-style-type: none"> 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
AHCDRG303 Troubleshoot drainage systems Release 2	AHCDRG303 Troubleshoot drainage systems Release 1	Minor changes to performance criteria and foundation skills	Equivalent unit

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

TITLE	Assessment requirements for AHCDRG303 Troubleshoot drainage systems
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 troubleshoot and repaired drainage systems on at least one occasions and has:</p> <ul style="list-style-type: none"> • completed a range of rectification works • identified a range of drainage system issues relevant to their industry, including surface and sub-surface issues • inspected the site to determine access to drainage system • planned and prepared for the work • tested the system and cleaned up after rectifying identified issues. 	
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"> • safe working practices applicable to troubleshooting and repairing drainage systems • drainage system repair work instructions and procedures • principles and practices of drainage system troubleshooting • components used in drainage systems • environmental impacts of drainage systems • isolation processes and procedures • types and operational parameters of drainage systems • types of drainage systems and issues common to their industry. 	
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"> • a workplace setting or an environment that accurately represents workplace conditions • resources, equipment and materials: <ul style="list-style-type: none"> • 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 • specifications: <ul style="list-style-type: none"> • recording procedures • relationships: <ul style="list-style-type: none"> • supervisor • timeframes: <ul style="list-style-type: none"> • according to job requirements. <p>Assessors of this unit must satisfy the requirements of assessors in applicable vocational education and training legislation, frameworks and/or standards.</p>	
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