

## Modification history

Release	Comments
Release 2	This version released with AHC Agriculture, Horticulture and 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.

AHCDRG201	Maintain drainage systems
<b>Application</b>	<p>This unit of competency describes the skills and knowledge required to inspect and carry out routine cleaning and maintenance of draining systems.</p> <p>The unit applies to individuals who maintain drainage systems under general supervision with limited autonomy and accountability.</p> <p>No occupational licensing, legislative or certification requirements apply to this unit at the time of publication.</p>
<b>Prerequisite Unit</b>	Nil
<b>Unit Sector</b>	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. 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. Maintain system components	2.1 Inspect components for wear or blockage 2.2 Service mechanical equipment 2.3 Replace simple components
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

<b>Foundation Skills</b>			
<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>			
<b>Skill</b>	<b>Description</b>		
Reading	<ul style="list-style-type: none"> <li>Interpret textual information from a range of sources to identify relevant and key information about workplace operations</li> </ul>		
Writing	<ul style="list-style-type: none"> <li>Record drainage system blockages or leaks, damaged or faulty equipment, and routine maintenance activities</li> </ul>		
Oral communication	<ul style="list-style-type: none"> <li>Use clear language to report drainage system damaged or faulty equipment and routine maintenance activities</li> </ul>		
Numeracy skills	<ul style="list-style-type: none"> <li>Identify replacement component part numbers</li> </ul>		
Navigate the world of work	<ul style="list-style-type: none"> <li>Recognise and follow workplace requirements, including safety requirements, associated with own role and area of responsibility</li> </ul>		
<b>Unit Mapping Information</b>			
<b>Code and title current version</b>	<b>Code and title previous version</b>	<b>Comments</b>	<b>Equivalence status</b>
AHCDRG201 Maintain drainage systems Release 2	AHCDRG201 Maintain drainage systems Release 1	Minor changes to performance criteria and foundation skills	Equivalent unit
<b>Links</b>	Companion Volumes, including Implementation Guides, are available at VETNet: <a href="https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72">https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72</a>		

<b>TITLE</b>	<b>Assessment requirements for AHCDRG201 Maintain drainage systems</b>
<b>Performance Evidence</b>	
<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 maintained drainage systems on at least two occasions and has:</p> <ul style="list-style-type: none"> <li>• inspected and maintained simple drainage system components</li> <li>• inspected components for wear</li> <li>• monitored and controlled weeds and silt build up</li> <li>• recorded and reported damage, blockages and leakages.</li> </ul>	
<b>Knowledge Evidence</b>	
<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"> <li>• principles and practices of drainage system maintenance, including:             <ul style="list-style-type: none"> <li>• disposal procedures for chemical containers and residues, oils, grease and used parts</li> <li>• drainage system cleaning procedures</li> <li>• environmental impacts of drainage system maintenance</li> <li>• equipment used to clean and maintain drainage systems</li> <li>• manual, mechanical and chemical weed control methods</li> <li>• types of drainage systems.</li> </ul> </li> </ul>	
<b>Assessment Conditions</b>	
<p>Assessment of skills must take place under the following conditions:</p> <ul style="list-style-type: none"> <li>• physical conditions:             <ul style="list-style-type: none"> <li>• a workplace setting or an environment that accurately represents workplace conditions</li> </ul> </li> <li>• resources, equipment and materials:             <ul style="list-style-type: none"> <li>• work instructions and workplace procedures applicable to maintaining drainage systems</li> <li>• drainage system maintenance tools and equipment</li> <li>• personal protective equipment applicable to maintaining drainage systems</li> </ul> </li> <li>• specifications:             <ul style="list-style-type: none"> <li>• recording procedures</li> </ul> </li> <li>• relationships:             <ul style="list-style-type: none"> <li>• supervisor</li> </ul> </li> <li>• timeframes:             <ul style="list-style-type: none"> <li>• according to job requirements.</li> </ul> </li> </ul> <p>Assessors of this unit must satisfy the requirements of assessors in applicable vocational education and training legislation, frameworks and/or standards.</p>	
<b>Links</b>	<p>Companion Volumes, including Implementation Guides, are available at VETNet:  <a href="https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72">https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72</a></p>