



Australian Government

AHCDRG308 Maintain and repair irrigation drainage systems

Release: 1

AHCDRG308 Maintain and repair irrigation 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 access drainage lines, repair irrigation drainage systems, clear blockages and maintain drainage earthworks and equipment of irrigation drainage systems.

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

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 to carry out irrigation drainage system maintenance	1.1 Inspect site and assess drainage system 1.2 Confirm necessity for repair and notify appropriate people 1.3 Determine work requirements from plans, drawings, specifications or instructions 1.4 Identify potential hazards and assess risks and implement safe working practices to manage risks 1.5 Select required tools and equipment and check for safe operation

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 Select, fit and use personal protective equipment applicable to the task 1.7 Confirm excavation methods meet safety requirements of the task and site 1.8 Make appropriate drainage and inflow diversion arrangements 1.9 Minimise environmental impacts of irrigation drainage maintenance activities
2. Digging to access drainage lines	2.1 Access plan of irrigation system and locate access points 2.2 Gain access to drainage lines to allow blockage to be cleared 2.3 Carry out digging without unnecessary damage to buildings, site, environment or existing fixtures and fittings
3. Carry out repairs on an irrigation drainage system	3.1 Conduct routine inspections of designated work areas 3.2 Identify system faults and take corrective actions with consideration of structure type, location and specifications 3.3 Use mechanical equipment to open and close drains 3.4 Repair or replace components and associated fittings as required 3.5 Construct cast in situ components 3.6 Document irrigation drainage repair and maintenance activities
4. Clear blockages in an irrigation drainage system	4.1 Perform clearing blockages procedures 4.2 Test drainage lines to confirm blockages have been cleared from pipe system 4.3 Repair and reseal drainage lines to permit normal use 4.4 Clean and align work area and dispose of debris and waste
5. Maintain drainage earthworks and equipment and carry out vegetation clearing procedures	5.1 Confirm that earthworks and embankments meet system requirements 5.2 Manage and maintain drainage area vegetation 5.3 Control weeds within drainage area 5.4 Implement and record a maintenance program for drainage equipment

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 notify appropriate people of repair works and report irrigation drainage repair and maintenance 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
AHCDRG308 Maintain and repair irrigation drainage systems	AHCDRG304 Maintain and repair irrigation 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>