



Australian Government

AHCIRG219 Assist with low volume irrigation operations

Release: 1

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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 assist with installing, operating and maintaining low volume irrigation systems. These systems use emitters such as drippers and generally use poly pipe.

The unit applies to individuals who assist with low volume irrigation operations 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

Irrigation (IRG)

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 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 appropriate materials, tools, equipment and machinery 1.3 Select, fit and use personal protective equipment and clothing applicable to the task 1.4 Identify the site for installation of the irrigation system

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
2. Assist with installing irrigation components	2.1 Prepare the site for installation works 2.2 Assemble and connect system components and test joints as directed 2.3 Assist with connecting system to water supply 2.4 Identify and report incorrect operation and take corrective actions as directed 2.5 Maintain a clean and safe work area during installation
3. Complete installation work	3.1 Remove and dispose of waste material according to workplace procedures 3.2 Clean, maintain and store tools, equipment and machinery 3.3 Assist with flushing system according to workplace procedures
4. Carry out start up and shutdown procedures as directed	4.1 Follow start-up sequence according to workplace procedures 4.2 Shut down system components in sequence as directed 4.3 Drain system as directed 4.4 Record irrigation activity according to workplace procedures
5. Assist with system maintenance	5.1 Check emitters for serviceability and output 5.2 Maintain delivery components according to workplace procedures 5.3 Check water supply and pumping system periodically, where required 5.4 Keep maintenance records up to date

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	<ul style="list-style-type: none"> Interpret textual information from a range of sources to identify relevant and key information about workplace operations
Oral communication	<ul style="list-style-type: none"> Use clear language to confirm work activity and report irrigation

Skill	Description
	system incorrect operation
Numeracy skills	<ul style="list-style-type: none">Identify irrigation system component part numbers
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
AHCIRG219 Assist with low volume irrigation operations	AHCIRG215 Assist with low volume irrigation operations	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>