



Australian Government

AHCIRG221 Assist with pressurised irrigation operations

Release: 1

AHCIRG221 Assist with pressurised irrigation operations

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 pressurised irrigation systems. These systems use sprinklers and generally use glued PVC pipe.

The unit applies to individuals who assist with pressurised 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	<p>1.1 Read work instructions and 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</p> <p>1.2 Select appropriate materials, tools, equipment and machinery for the task</p> <p>1.3 Select, fit and use personal protective equipment and clothing applicable to the task</p>

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	1.4 Identify the site for installation of the irrigation system
2. Assist with installing irrigation components	2.1 Prepare the site for installation works 2.2 Lay out irrigation components as directed 2.3 Dig or tidy trenches where required 2.4 Add or insert system components as directed 2.5 Position and secure lines as directed 2.6 Assist with fitting pumps and valves
3. Complete installation activities	3.1 Check the irrigation system for leaks or blockages 3.2 Identify and report problems and anomalies 3.3 Clean, maintain and store tools, equipment and machinery 3.4 Collect waste and dispose of or recycle 3.5 Record workplace information in the appropriate format
4. Assist with start up and shutdown procedures	4.1 Follow start-up sequence as directed 4.2 Shut down system components in sequence as directed 4.3 Drain system as directed 4.4 Record irrigation activity in the appropriate format
5. Assist with system maintenance	5.1 Check sprinklers for serviceability and output 5.2 Maintain delivery components as directed 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

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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"> Use correct terminology to record irrigation system installation, activity and maintenance
Oral communication	<ul style="list-style-type: none"> Use clear language to confirm work activity and report irrigation 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
AHCIRG221 Assist with pressurised irrigation operations	AHCIRG217 Assist with pressurised 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>