



Australian Government

Assessment Requirements for AHCIRG345 Install pressurised irrigation systems

Release: 1

Assessment Requirements for AHCIRG345 Install pressurised irrigation systems

Modification History

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

Performance Evidence

An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit. There must be evidence that the individual has installed pressurised irrigation systems on at least one occasion and has:

- applied workplace health and safety requirements
- selected materials, tools, equipment and machinery appropriate to the scope of works
- organised resources for installation work
- set out and prepared the site
- completed installation work
- calibrated testing and monitoring equipment
- commissioned irrigation system.

Knowledge Evidence

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:

- workplace requirements applicable to health and safety in the workplace for installing pressurised irrigation systems
- water quality and water filtration techniques
- the behaviour of water on varying terrain and soil types
- soil characteristics
- soil water retention testing techniques
- calculations for installing pressurised irrigation systems
- characteristics and operation of joints, valves and sprinkler components
- components of a pressurised irrigation system
- methods and techniques of installing pressurised irrigation
- operation of pumps and water flow rates.

Assessment Conditions

Assessment of skills must take place under the following conditions:

- physical conditions:
 - a workplace setting or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - pressurised irrigation system operation and maintenance manual
 - pressurised irrigation system installation equipment
 - personal protective equipment applicable to installing pressurised irrigation systems
- specifications:
 - work instructions and workplace procedures applicable to installing pressurised irrigation systems workplace requirements applicable to health and safety in the workplace and installing pressurised irrigation systems
 - pressurised irrigation system installation tools and equipment and procedures
 - recording procedures
- relationships:
 - supervisor
- timeframes:
 - according to job requirements.

Assessors of this unit must satisfy the requirements of assessors in applicable vocational education and training legislation, frameworks and/or standards.

Links

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