



Australian Government

**Assessment Requirements for AHCIRG336
Operate and maintain gravity fed irrigation
systems**

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.

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 operated and maintained a gravity fed irrigation system 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
- adjusted and monitored check valves
- checked the serviceability of delivery mechanisms
- set up and started delivery systems
- checked pressure at the head-works and control valves
- identified variations in water flow and distribution
- measured water usage
- inspected irrigation systems
- carried out running repairs on irrigation delivery and drainage systems
- removed and replaced gates, slides and doors
- removed and replaced valves and filters
- undertaken minor repairs of equipment
- carried out shutdown procedures, cleaned equipment and disposed of waste
- recorded machinery service and repair.

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 operating and maintaining gravity fed irrigation systems
- machinery operation and maintenance manual
- characteristics and operation of components of a gravity fed irrigation system

- common operational and maintenance problems
- routine and end of season maintenance requirements
- weed disposal methods.

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:
 - gravity fed irrigation system materials, tools, equipment and machinery
 - gravity fed irrigation pump system tools and equipment and procedures
 - personal protective equipment applicable to operating and maintaining gravity fed irrigation systems
- specifications:
 - work instructions and workplace procedures applicable to operating and maintaining gravity fed irrigation systems
 - workplace requirements applicable to health and safety in the workplace and operating and maintaining gravity fed irrigation systems
 - machinery operation and maintenance manual
 - recording procedures
 - environmental procedures for collection, treatment, disposal or recycling of waste
- timeframes:
 - according to job requirements.

Assessors of this unit must satisfy the requirements for 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>