



Australian Government

Assessment Requirements for AHCIRG220 Assist with surface 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.

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 assisted with surface irrigation operations on at least one occasion and has:

- applied workplace health and safety requirements
- selected tools and equipment appropriate to the scope of works
- carried out surface irrigation operating tasks as directed
- checked siphons for even water flow
- looked for uneven water distribution or drainage
- opened and closed check valves
- monitored required head and water levels in head ditch
- started and lifted siphons
- used mechanical equipment to build and repair banks and for weed removal
- recorded and reported maintenance activities and faults.

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 assisting with surface irrigation operations
- principles and practices of surface irrigation
- channels, furrows, borders, fittings and outlets
- system cleaning procedures
- identification, characteristics and operation of surface irrigation structures and components
- damage and problems that occur with gravity-fed irrigation systems
- weed types encountered in gravity fed irrigation systems and their removal
- system malfunctions and their likely causes.

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:
 - surface irrigation system maintenance tools and equipment
 - personal protective equipment applicable to assisting with surface irrigation operations
- specifications:
 - workplace requirements applicable to health and safety in the workplace and assisting with surface irrigation operations
 - work instructions and workplace procedures applicable to assisting with surface irrigation operations
- 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>