Assessment Requirements for AHCIRG433 Manage irrigation systems

Release: 1

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Modification History

Release Number	TP Version	Comments
1	AHCv1.0	Initial release

Performance Evidence

The candidate must be assessed on their ability to integrate and apply the performance requirements of this unit in a workplace setting. Performance must be demonstrated consistently over time and in a suitable range of contexts.

The candidate must provide evidence that they can:

- access and prepare data records for both print-based and computer-based data
- apply measuring and testing techniques
- calculate pressure differentials, flow rates, crop yields, estimated water usage/actual water usage
- develop and supervise procedures for starting up, carrying out operational checks and shutting down
- identify adverse environmental impacts of irrigation activities and appropriate remedial action
- measure output and efficiency of an irrigation system
- measure, interpret and adjust flow rates and pressures
- monitor system effectiveness

Knowledge Evidence

The candidate must demonstrate knowledge of:

- principles and practices of irrigation system management
- best practices for reducing environmental impacts of irrigation
- component specifications
- environmental impacts of irrigation using water from any ground or underground source
- irrigation schedules
- pump types used in irrigation systems and their output and efficiency ratings
- soil moisture testing techniques
- irrigation technologies
- using records to review an irrigation system
- water in soils and plants

- water requirements of plants/crops consistent with sound environmental management

Assessment Conditions

Assessors must satisfy current standards for RTOs.

Links

Companion Volume implementation guides are found in VETNet - https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72