



Australian Government

Department of Education, Employment and Workplace Relations

AHCIRG407A Supervise on-site irrigation installation and construction work

Release: 1

AHCIRG407A Supervise on-site irrigation installation and construction work

Modification History

Not Applicable

Unit Descriptor

Unit descriptor	This unit covers supervising on-site irrigation installation and construction work and defines the standard required to: organise supplies and labour; organise the installation of supplies and equipment; implement and monitor on site operations; test the installation or construction against specifications; carry out any remediation work required.
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Application of the Unit

Application of the unit	This unit applies to those persons who supervise on-site irrigation installation and construction work.
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Licensing/Regulatory Information

Not Applicable

Pre-Requisites

Prerequisite units		

Employability Skills Information

Employability skills	This unit contains employability skills.
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Elements and Performance Criteria Pre-Content

Not Applicable

Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA

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1. Implement effective communication	1.1.Site instructions for irrigation installation and construction work are recorded to comply with quality management requirements. 1.2.Dates, times and personnel to attend site meetings are organised.
2. Implement and monitor Occupational Health and Safety (OHS) and risk management procedures	2.1.First aid facilities are established as necessary. 2.2.Plant and equipment requiring certificated operators are identified to comply with risk management procedures. 2.3.Likely hazards are identified and precautions taken. 2.4.Role of Construction Safety Supervisor is identified. 2.5.Documentation for safety reporting is instigated.
3. Organise the supply and installation of materials and equipment	3.1.Material orders are placed according to appropriate schedule. 3.2.Equipment is hired according to planned schedule. 3.3.Maintenance procedures are established for equipment.
4. Supervise on-site operations	4.1.Operations are implemented according to appropriate schedule and contract. 4.2.Sub-contractor operations are co-ordinated and monitored, including all aspects of materials used and standards of workmanship. 4.3.Problems and delays are addressed as they arise and action recorded. 4.4.Industrial relations are monitored continuously and issues resolved to minimise impact on job progress. 4.5.Revisions are made to project schedule, when required, and variations documented to comply with quality management procedures. 4.6.Quality management procedures are applied continuously as per adopted standards for job. 4.7.Safety procedures are monitored continuously, reports analysed and procedures reviewed as required. 4.8.Reports on current project status are prepared for management. 4.9.Supervision of multiple projects is planned.
5. Administer progress claims/payment	5.1.Summary records are prepared for progress claims. 5.2.Actual expenditure and earnings are checked against scheduled projected costs.

Required Skills and Knowledge

REQUIRED SKILLS AND KNOWLEDGE

This section describes the skills and knowledge required for this unit.

Required skills

- identify hazards and implement safe systems of work
- order materials and equipment to meet schedule
- administer the contract on site
- supervise construction operations in the most efficient sequence
- identify adverse environmental impacts of irrigation installation activities and take appropriate remedial action
- comply with statutory requirements
- follow environmental procedures
- use literacy skills to read, interpret and follow organisational policies and procedures, develop sequenced written instructions, record accurately and legibly information collected and select and apply procedures to a range of tasks
- use oral communication skills/language competence to fulfil the job role as specified by the organisation including questioning, active listening, asking for clarification, negotiating solutions and responding to a range of views
- use numeracy skills to estimate, calculate and record routine and more complex workplace measures and data
- use interpersonal skills to work with others and relate to people from a range of cultural, social and religious backgrounds and with a range of physical and mental abilities.

Required knowledge

- communication procedures for on site labour and authorities
- safety procedures and quality assurance programs
- local government regulations
- on-site contract provisions
- projected costs
- environmental impacts of irrigation system installation using water from any ground or underground source
- OHS and environmental legislation, codes of practice and environmental procedures.

Evidence Guide

EVIDENCE GUIDE	
The evidence guide provides advice on assessment and must be read in conjunction with the performance criteria, required skills and knowledge, range statement and the Assessment Guidelines for the Training Package.	
Overview of assessment	
Critical aspects for assessment and evidence required to demonstrate competency in this unit	The evidence required to demonstrate competency in this unit must be relevant to workplace operations and satisfy holistically all of the requirements of the performance criteria and required skills and knowledge and include achievement of the following: • organise supplies and labour • organise the installation of supplies and equipment • implement and monitor on site operations • test the installation or construction against specifications • carry out any remediation work required.
Context of and specific resources for assessment	Competency requires the application of work practices under work conditions. Selection and use of resources for some worksites may differ due to the regional or enterprise circumstances.

Range Statement

RANGE STATEMENT	
The range statement relates to the unit of competency as a whole.	
Systems may include:	• both gravity fed and pressurised systems.

Unit Sector(s)

Unit sector	Irrigation
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Co-requisite units

Co-requisite units		

Competency field

Competency field	
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