



Australian Government

Department of Education, Employment and Workplace Relations

AHCIRG505A Establish and maintain an irrigation-related environmental protection program

Release: 1

AHCIRG505A Establish and maintain an irrigation-related environmental protection program

Modification History

Not Applicable

Unit Descriptor

Unit descriptor	This unit covers establishing and maintain an irrigation-related environmental protection program and defines the standard required to: establish and maintain environmental records; identify and assess existing and potential risks to the environment arising from irrigation practices and related activities; monitor risks to, and impacts on, the environment from irrigation; develop an induction and training program to support environmental protection policies and practices; develop an irrigation and drainage environmental plan.
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Application of the Unit

Application of the unit	This unit applies to those whose job role includes determining actions to reduce the impacts of irrigation and drainage systems on the environment, to minimise the risk of environmental pollution and reduce the impact of such events when they occur.
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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

ELEMENT	PERFORMANCE CRITERIA
1. Establish and maintain an irrigation and drainage environmental protection program	1.1. An irrigation and drainage environmental plan is developed in consultation with property owner or manager. 1.2. Environmental responsibilities for the property are clearly defined and included in the duties of all personnel. 1.3. Financial and human resources are made available to implement the environmental plan in a timely and consistent manner. 1.4. Environmental records are established and maintained according to relevant codes of practice, legislation and regulations.
2. Establish and maintain arrangements to ensure the involvement of all personnel in the environmental program	2.1. Procedures and processes that allow and encourage all personnel at all levels to have input into environmental issues are developed. 2.2. Issues raised through involvement and consultation with personnel are addressed promptly.
3. Establish and maintain risk management procedures to protect the environment from irrigation practices and related activities	3.1. Procedures for identifying and assessing existing and potential risks to the environment arising from irrigation practices and related activities are established and maintained according to relevant environmental standards. 3.2. Work processes and procedures are designed to reduce or eliminate risks and hazards to the environment. 3.3. Organisational and administrative systems are established and maintained to control risks to the environment arising from irrigation practices and related activities. 3.4. Procedures to monitor risks to the environment and compliance with relevant legislation and regulations are established and maintained.
4. Establish and maintain procedures for responding to environmental pollution events	4.1. Potential environmental pollution events are identified. 4.2. Procedures to control the level of risk associated with pollution events are developed in consultation with relevant environmental protection agencies and local government authorities. 4.3. Appropriate information and training is provided to enterprise personnel to ensure prompt implementation of response procedures according to

ELEMENT	PERFORMANCE CRITERIA
	organisational and OHS requirements.
5. Establish and maintain an environmental protection induction and training program	5.1. An environmental protection induction and training program is developed and incorporated into the organisational personnel training program to ensure compliance with relevant legislation and regulations is maintained. 5.2. Records of environmental protection training are established and maintained according to enterprise standards.

Required Skills and Knowledge

REQUIRED SKILLS AND KNOWLEDGE

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

Required skills

- develop policies and procedures
- apply and comply with environmental requirements
- identify adverse environmental impacts of irrigation activities and appropriate remedial action
- use technology to draft documents, develop environmental information, and audit data bases
- audit data bases
- develop and implement relevant enterprise OHS and environmental procedures
- use literacy skills to fulfil job roles as required by the organisation. The level of skill may range from reading and understanding documentation to completion of written reports
- 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 complex workplace measures
- 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

- environmental impacts of irrigation, using water from any ground or underground source
- environmental planning for irrigation and drainage
- external factors that may effect the system

REQUIRED SKILLS AND KNOWLEDGE
• relevant OHS and environmental protection legislation, codes of practice and enterprise 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:

- establish and maintain environmental records
- identify and assess existing and potential risks to the environment arising from irrigation practices and related activities
- monitor risks to, and impacts on, the environment from irrigation
- develop an induction and training program to support environmental protection policies and practices
- develop an irrigation and drainage environmental plan.

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.

Irrigation systems may include:

- pressurised or gravity fed irrigation systems.

Unit Sector(s)

Unit sector

Irrigation

Co-requisite units

Co-requisite units		

Competency field

Competency field	
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