



Australian Government

Department of Education, Employment and Workplace Relations

LGAEHRW505B Implement strategies to minimise the impact of waste on the environment

Release: 2

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Modification History

LGAEHRW505B Release 2: Layout adjusted.

LGAEHRW505B Release 1: Primary release.

Unit Descriptor

This unit covers the implementation and monitoring of strategies to reduce the impact of waste on the environment.

Application of the Unit

This unit supports the attainment of skills and knowledge required for competent workplace performance within councils of varying size and locations. Knowledge of the legislation and regulations within which councils must operate is essential. The role of council staff, elected members and management in protecting and managing the natural and built environment must be appropriately reflected.

Licensing/Regulatory Information

Not applicable.

Pre-Requisites

Not applicable.

Employability Skills Information

This unit contains employability skills.

Elements and Performance Criteria Pre-Content

Elements describe the essential outcomes of a Unit of Competency

Performance criteria describe the required performance needed to demonstrate achievement of the element. Where ***bold italicised*** text is used, further information is detailed in the Range Statement. Assessment of performance is to be consistent with the Evidence Guide.

Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
1. Determine the effectiveness of the environmental impact of current practices	1.1 Impact of existing waste management practices is noted against legislation, industry standards, and council and community requirements and expectations. 1.2 Data contributing to cost-benefit analysis is collected on existing waste management practices. 1.3 The effects of existing waste practices on the environment are regularly monitored. 1.4 The waste impact cycle is monitored for components of waste stream in council area. 1.5 Resource usage in waste impact cycle is measured accurately.
2. Monitor waste reduction targets	2.1 Targets for reducing impact of waste are monitored in accordance with community standards and relevant authority requirements. 2.2 Performance is measured accurately, regularly and in a cost-effective manner. 2.3 Statistical comparisons are made between targets and performance to establish accurately if targets have been met.
3. Contribute to the development of a waste impact reduction plan	3.1 Consultation with the community and relevant authorities and organisations is undertaken as directed to assist in developing targets and strategies to reduce waste impact. 3.2 Criteria to prioritise strategies are suggested. 3.3 Information to assist comparison with similar methods in practice elsewhere and assess effectiveness of strategies is contributed. 3.4 Appropriate trial and sampling techniques are followed.
4. Follow strategies to reduce waste impact	4.1 Strategic priorities are followed to provide the most effective resolution of issues within available resources. 4.2 Processes are monitored to ensure the strategy is achieving objectives and modifications are suggested as required. 4.3 Program time lines, schedules and targets are followed to enable strategy objectives to be met.
5. Monitor effectiveness of strategies to reduce waste	5.1 Data is collected and analysed on a regular basis to provide accurate measures of performance. 5.2 Comparisons are made with strategy objectives to assess effectiveness. 5.3 Changes to implemented strategy are suggested as warranted to ensure outcomes are achieved. 5.4 Information obtained during monitoring and review is suggested to develop new strategies based on accumulated knowledge and experience.

Required Skills and Knowledge

This describes the essential skills and knowledge and their level, required for this unit

Required Skills

- technical and community research
- support analysis
- consultation

Required Knowledge

- waste management practices
- waste impact on environment
- waste reduction practices
- monitoring processes
- council budgeting and planning processes
- regulations
- standards
- policies
- legislation
- community needs and expectations
- relevant organisations

Evidence Guide

Overview of assessment requirements

A person who demonstrates competency in this unit will be able to perform the outcomes described in the Elements to the required performance level detailed in the Performance Criteria. The knowledge and skill requirements described in the Range Statement must also be demonstrated. For example, knowledge of the legislative framework and safe work practices that underpin the performance of the unit are also required to be demonstrated.

Critical aspects of evidence to be considered

- Data on the waste stream is collected and analysed to standards of council plans.
- Council policies, protocols and relevant legislation are followed in monitoring waste activity.
- Consultation is undertaken as directed to identify strategies and distribute information.
- Strategy implementation and monitoring is undertaken to identified standards

Context of assessment

On the job or in a simulated work environment.

Relationship to other units(prerequisite or co-requisite units)

To enable holistic assessment this unit may be assessed with other units that form part of the job role in particular: LGAEHRW503B Implement programs for disposal and containment of waste.

Method of assessment

The following assessment methods are suggested:

- observation of the learner performing a range of workplace tasks over sufficient time to demonstrate handling of a range of contingencies
- written and/or oral questioning to assess knowledge and understanding
- completing workplace documentation
- third-party reports from experienced practitioners
- completion of self-paced learning materials including personal reflection and feedback from trainer, coach or supervisor

Evidence required for demonstration of consistent performance

Evidence will need to be gathered over time across a range of variables.

Resource implications

Access to a workplace or simulated case study that incorporates the following resources:

- relevant data on different waste streams
- real or simulated consultation process
- relevant legislation, regulations, standards and policies

Range Statement

The Range Statement relates to the Unit of Competency as a whole. It allows for different work environments and situations that may affect performance. ***Bold italicised*** wording in the Performance Criteria is detailed below.

<i>Waste</i> includes:	• paper • plastics • metals • household garbage • green • chemical • glass • construction • hard liquid
<i>Cost-benefit analysis</i> may include:	• financial • health • amenity • flora and fauna • social • fee for service
<i>Waste stream</i> may include:	• domestic garbage • industrial • commercial • council • litter • construction and demolition
<i>Impact</i> may include:	• health related • amenity (e.g. smell, visual and tactile) • flow-on physical impact on flora and fauna • toxicity • breakdown cycle
<i>Authorities</i> may include:	• environment protection • waste management • recycling and resource recovery bodies • regional waste boards
<i>Strategies</i> may include:	• education • promotion • reduce, reuse and recycle policy • collection times and types • mulching • worms

- Data** may include:
- waste types
 - waste quantity
 - cost of disposal
 - legislation
 - impact details
 - sources
 - experimental controls

Unit Sector(s)

Health and Environment