



Australian Government

Department of Education, Employment and Workplace Relations

LGALAND405A Implement strategies to minimise environmental pollution

Release 2

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Modification History

LGALAND405A Release 2: Layout adjusted.
LGAGLAND405A Release 1: Primary release.

Unit Descriptor

This unit covers implementing strategies aimed at reducing environmental pollution or harm. The unit looks at the development, implementation and evaluation of a program that reduces pollution.

Application of the Unit

This unit supports the attainment of skills and knowledge required for competent workplace performance in councils of all sizes. Knowledge of the legislation and regulations within which councils must operate is essential. The unique nature of councils, as a tier of government directed by elected members and reflecting the needs of local communities, 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 Develop program to reduce pollution	1.1 <i>Sources of pollution</i> are analysed to develop a council position and to ascertain the need for new programs. 1.2 Research is undertaken to identify issues to be addressed and possible strategies and options for action. 1.3 <i>Legislative and council requirements</i> are reviewed to ensure strategies meet all criteria. 1.4 Appropriate planning and consultation are undertaken with relevant <i>stakeholders</i> to determine preferred program options. 1.5 A <i>program plan</i> is developed that reflects identified parameters and incorporates an evaluation of a range of options for implementation. 1.6 <i>Resources</i> are estimated and accessed.
2 Implement program for environmental pollution minimisation	2.1 The program plan is prioritised to make best use of available resources. 2.2 Resources are allocated to match the priorities. 2.3 Suitable work arrangements are developed with other responsible parties to ensure the agreed actions and strategies are implemented. 2.4 Time lines, schedules, systems and work teams are developed that enable the strategy targets to be met. 2.5 <i>Promotion and marketing strategies</i> are developed and implemented to encourage participation in the program.
3 Monitor and review the effectiveness of the program	3.1 Appropriate data is collected and accurately recorded to facilitate the review process. 3.2 <i>Program design and outcomes are evaluated</i> according to criteria and specifications identified in the program plan. 3.3 Results of the evaluation are used for revision of strategies to ensure program outcomes are achieved. 3.4 Information obtained is used for ongoing development of pollution minimisation programs.

Required Skills and Knowledge

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

Required Skills

- communication and consultation
- conflict management skills to mediate, negotiate and attempt to obtain consensus between parties
- analytical skills to identify potential environmental and ecological impacts and opportunities
- problem solving

Required Knowledge

- relevant legislation from all levels of government that regulates environmental protection and pollution levels, especially in regard to occupational health and safety and environmental issues
- environment sustainability as a 'whole system' approach
- quality assurance procedures
- strategies to maximise opportunities and minimise environmental impact
- relevant knowledge of environmental issues in regard to water catchments, air, noise, ecosystems, habitats and waste minimisation
- relevant knowledge of ecological systems in regard to local government operations
- data collection and record keeping concepts

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

The demonstrated ability to:

- develop a program in consultation with stakeholders to minimise environmental pollution
- implement a program for environmental pollution minimisation that enables the strategy targets to be met within the required time frame
- monitor and review the effectiveness of a program for environmental pollution minimisation against planned objectives and use these knowledge and skills to develop ongoing strategies for pollution minimisation programs.

Context of assessment

Competency is demonstrated by the performance of all stated criteria, with particular attention to the critical aspects of evidence and the knowledge and skills elaborated in the Evidence Guide, and within the scope of the Range Statement. Assessment must take account of the endorsed Assessment Guidelines in the Local Government Training Package. Assessment of the performance requirements in this unit should be undertaken in an actual workplace or simulated environment. Assessment should reinforce the integration of the key competencies for the particular AQF level. Refer to the key competency levels at the end of this unit.

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.

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
- completion of 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 should be collected over a set period of time that is sufficient to include dealings with an appropriate range and variety of situations.

Resource implications

The learner and trainer should have access to appropriate documentation and resources normally used in the workplace.

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>Sources of pollution</i> may include: | <ul style="list-style-type: none"> • gases, fumes, smoke and dust • solids, including various forms of waste materials and litter • liquids, including grey or brown water |
| <i>Legislative and council requirements</i> may include: | <ul style="list-style-type: none"> • federal, state or territory and local government legislation relating to protection of the environment, including relevant acts, codes of practice, guidelines and regulations under acts • health and safety requirements • biodiversity protection measures |
| <i>Stakeholders</i> may include: | <ul style="list-style-type: none"> • residents within the community • businesses within or related to the community • advocacy and special interest groups • decision makers and community leaders • individuals, groups and communities affected by pollution • owners or managers of resources required • grants and funding agencies • government and non-government organizations • peak bodies • educational and research institutions |
| <i>A program plan</i> may include: | <ul style="list-style-type: none"> • a range of measures for monitoring pollution levels or incidents • measures to control pollution • measures to protect environmental • measures to enforce |
| <i>Resources</i> may include: | <ul style="list-style-type: none"> • information • knowledge and skills • equipment and materials • facilities and buildings • transport • organisational structures and networks • access to decision makers • management support • personnel • money |
| <i>Promotion and marketing strategies</i> may include: | <ul style="list-style-type: none"> • letters • newsletters and journals • communication within the organization |

The evaluation of the program design and outcomes may include:

- reports, discussion papers and briefing papers
- brochures, fliers and written advertisements
- posters
- audio and audiovisual productions
- public presentations
- meetings, seminars, workshops and other forums
- print or telecommunications media
- projected outcomes to achieve objectives
- cost efficiency and effectiveness
- relevance to high needs and priorities
- scope and coverage
- capacity to evaluate
- availability of resources and skills
- consistency of philosophy
- ethical considerations
- impact on organization, other services and programs
- personnel, industrial and employment implications
- legislative, statutory and accountability implications

Unit Sector(s)

Land Management