



Australian Government

Department of Education, Employment and Workplace Relations

TLIU707B Care for the environment

Release: 1

TLIU707B Care for the environment

Modification History

Not applicable.

Unit Descriptor

This unit involves the skills and knowledge required to care for the environment when operating and maintaining equipment and/or vehicles including minimising the effects of pollution during operations, minimising the effects of pollution during maintenance, and transporting and handling environmentally hazardous materials safely and in accordance with environmental protection regulations and guidelines.

Application of the Unit

Work must be carried out in accordance with relevant state/territory environmental protection regulations and workplace procedures.

Work is performed under some supervision generally within a team environment. It involves the application of the basic environmental protection principles and regulations to the operation and maintenance of equipment and vehicles during the course of workplace operations.

Licensing/Regulatory Information

Not applicable.

Pre-Requisites

Not applicable.

Employability Skills Information

The required outcomes described in this unit of competency contain applicable facets of Employability Skills. The Employability Skills Summary of the qualification in which this competency is packaged will assist in identifying employability skill requirements.

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. Assessment of performance is to be consistent with the evidence guide.

Elements and Performance Criteria

Elements and Performance Criteria

Element	Performance Criteria
1 Minimise the effects of pollution during operations	<ul style="list-style-type: none">1.1 Precautions are taken to ensure spilt fuel, lubricants and chemicals do not pollute the environment1.2 Equipment and vehicles are operated efficiently to minimise pollution of the air environment through excessive exhaust emissions1.3 Unnecessary running of engines/equipment is avoided to minimise pollution of the air environment1.4 Worksites are kept clean and tidy during work operations and the disposal of waste is in accordance with environmental regulations and workplace procedures
2 Minimise the effects of pollution during maintenance	<ul style="list-style-type: none">2.1 Routine checks are conducted or organised to ensure emission control equipment on equipment/vehicle is operating correctly2.2 Suitable precautions are taken during the cleaning of equipment/vehicles not to pollute the environment2.3 Care is taken during services and maintenance operations to implement housekeeping procedures and environmental protection precautions and procedures2.4 Rubbish is deposited in designated rubbish disposal bins
3 Transport/handle environmentally hazardous materials safely	<ul style="list-style-type: none">3.1 Material safety data sheets are completed in accordance with government regulations and workplace requirements3.2 Waste and effluent is disposed of in accordance with government regulations and government policy3.3 Environmentally hazardous materials are handled and moved in accordance with relevant regulations, workplace procedures and guidelines aimed at

minimising the risk of environmental pollution

- 3.4 Routes for vehicles carrying hazardous and noxious loads are planned to minimise the risk to the environment in the event of accident or spillage

Required Skills and Knowledge

REQUIRED KNOWLEDGE AND SKILLS

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

Required knowledge:

Relevant environmental protection regulations

Workplace procedures and guidelines for the care of the environment during workplace operations

Environmental risks when carrying out workplace operations and related precautions to control the risk

Environmental protection standards required in the workplace

Site layout including location of rubbish disposal bins

Application of relevant environmental protection regulations and requirements

Service and maintenance procedures and checklists for equipment and vehicles

Procedures and processes for waste and effluent regulation where applicable

Environmental hazards and toxicity of materials typically carried in loads

Emission control checking requirements for vehicles and relevant equipment

Typical problems that can occur when caring for the environment and appropriate action that can be taken to prevent or solve them

Required skills:

Communicate effectively with others when caring for the environment

Read and interpret instructions, procedures and information relevant to the care of the environment

Interpret and follow operational instructions and prioritise work

Complete documentation related to the care of the environment

Operate electronic communication equipment to required protocol

Work collaboratively with others when caring for the environment

Adapt appropriately to cultural differences in the workplace, including modes of behaviour

and interactions with others

Promptly report and/or rectify any identified problems that may arise when caring for the environment in accordance with regulatory requirements and workplace procedures

Implement contingency plans for unanticipated situations that may occur when caring for the environment

Monitor work activities in terms of planned schedule

Modify activities depending on differing operational contingencies, risk situations and environments

Work systematically with required attention to detail without injury to self or others, or damage to goods or equipment

Recognise potential pollution risks and ways of minimising them

Identify and correctly use equipment and vehicles in accordance with environmental protection regulations and guidelines

Follow routine service and maintenance procedures for equipment and vehicles

Adapt to differences in equipment and operating environment in accordance with standard operating procedures

Select and use required personal protective equipment conforming to industry and OH&S standards

Evidence Guide

The evidence guide provides advice on assessment and must be read in conjunction with the performance criteria, required knowledge and skills, the range statement and the assessment guidelines for this Training Package.

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 and satisfy all of the requirements of the elements and performance criteria of this unit and include demonstration of applying:

the underpinning knowledge and skills

relevant legislation and workplace procedures

other relevant aspects of the range statement

Context of and specific resources for assessment

Performance is demonstrated consistently over a period of time and in a suitable range of contexts

Resources for assessment include:

a range of relevant exercises, case studies and other simulated practical and knowledge assessment, and/or

access to an appropriate range of relevant operational situations in the workplace

In both real and simulated environments, access is required to:

relevant and appropriate materials and/or equipment, and/or

applicable documentation including workplace procedures, regulations, codes of practice and operation manuals

Method of assessment

Assessment of this unit must be undertaken by a registered training organisation

As a minimum, assessment of knowledge must be conducted through appropriate written/oral tests

Practical assessment must occur:

through appropriately simulated activities at

the registered training organisation, and/or
in an appropriate range of situations in the
workplace

Range Statement

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.

Care for the environment may be conducted: in a range of work environments by day or night:

Customers may be: internal or external

Workplaces may comprise: large, medium or small worksites in the transport, warehousing, distribution and/or storage industries

Environment may include: indoor
outdoor
marine
atmospheric

Pollutants may include: exhaust fumes
oils and lubricants
gas
smoke
chemicals and detergents
rubbish
noise
wastes

Equipment/vehicles may include: motor vehicles, trucks and motorcycles
fixed equipment emitting exhaust fumes/gases
rail locomotives and motive power units
marine vessels
forklifts, cranes and load shifting equipment

Personnel in the work area may include: workplace personnel
site visitors
contractors
official representatives

Depending on the type of organisation concerned and the local terminology used, workplace procedures may include:

- company procedures
- enterprise procedures
- organisational procedures
- established procedures

Depending on workplace context, personal protective equipment may include:

- gloves
- safety headwear and footwear
- safety glasses
- two-way radios
- high visibility clothing

Information/documents may include:

- OH&S and environmental protection regulations
- workplace housekeeping procedures and policies
- codes of practice for environmental protection
- material safety data sheets
- policies and procedures for entry and work in confined spaces
- manufacturers instructions concerning the use and servicing of equipment
- supplier and/or client instructions
- emergency procedures
- regulations and policies concerning noise, waste disposal/reprocessing, handling of dangerous goods/hazardous substances and other environmental protection issues
- goods identification numbers and codes
- manifests, bar codes, goods and container identification
- relevant legislation, regulations and related documentation
- award, enterprise bargaining agreement, other industrial arrangements
- standards and certification requirements
- quality assurance procedures

Applicable regulations and legislation may

- relevant state/territory environmental

include:

protection legislation

relevant state/territory OH&S legislation

workplace relations regulations

ADG Code

Unit Sector(s)

Not applicable.

Competency Field

U - Environment