



Australian Government

TLIU1009 Monitor plant and equipment in an environmentally sustainable manner

Release: 2

TLIU1009 Monitor plant and equipment in an environmentally sustainable manner

Modification History

Release 2. This is the second release of this unit of competency in the TLI Transport and Logistics Training Package:

- Minor statement changes in Assessment Conditions.

Release 1. This is the first release of this unit of competency in the TLI Transport and Logistics Training Package.

Application

This unit involves the skills and knowledge required to monitor plant and equipment in an environmentally sustainable manner, in accordance with relevant state/territory environmental protection regulations, guidelines and workplace procedures.

It includes minimising the effects of pollution when operating and monitoring plant and equipment. It also includes transporting and handling environmentally hazardous materials safely.

Work is performed under some supervision generally within a team environment.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

Not applicable.

Competency Field

U – Environment

Unit Sector

Not applicable.

Elements and Performance Criteria

ELEMENTS

PERFORMANCE CRITERIA

Elements describe the essential Performance criteria describe the performance needed to

outcomes.

demonstrate achievement of the element.

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| 1 Minimise pollution effects during operations | 1.1 Precautions are taken to ensure spilt fuel, lubricants and chemicals do not pollute the environment |
| | 1.2 Plant and equipment are operated efficiently to minimise air pollution through excessive exhaust emissions |
| | 1.3 Running of plant and equipment is minimised to avoid unnecessary noise and air pollution |
| | 1.4 Worksites are kept clean and tidy during work operations and waste is disposed of in accordance with environmental protection regulations and workplace procedures |
| 2 Minimise pollution effects when monitoring plant and equipment | 2.1 Routine checks are conducted or organised to ensure plant and equipment are operating correctly, including emission controls where fitted |
| | 2.2 Suitable precautions are taken when cleaning plant and equipment not to pollute the environment |
| | 2.3 Care is taken during services and maintenance operations to implement housekeeping procedures and environmental protection precautions and procedures |
| | 2.4 Rubbish is deposited in designated rubbish disposal bins |
| 3 Transport/handle environmentally hazardous materials safely | 3.1 Relevant documentation is completed in accordance with government regulations and workplace requirements |
| | 3.2 Waste and effluent are disposed of in accordance with government regulations and workplace procedures |
| | 3.3 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 plant and equipment carrying hazardous and noxious loads are planned to minimise risk to the environment in an accident or spillage |

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of

competency.

Range of Conditions

Range is restricted to essential operating conditions and any other variables essential to the work environment.

Unit Mapping Information

This unit replaces and is equivalent to TLIU1009A Monitor plant and equipment in an environmentally sustainable manner.

Links

Companion Volume Implementation Guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=df441c6e-213d-43e3-874c-0b3f7036d851>

Assessment Requirements for TLIU1009 Monitor plant and equipment in an environmentally sustainable manner

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Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the elements and performance criteria on at least one occasion and include:

- adapting to differences in equipment and operating environment in accordance with operating procedures
- applying relevant legislation and workplace procedures
- communicating effectively with others
- completing relevant documentation
- following routine service and maintenance procedures for equipment and vehicles
- identifying and correctly using equipment and vehicles in accordance with environmental protection regulations and guidelines
- identifying suitable disposal and transport methods of hazardous or noxious materials
- identifying suitable precautions to prevent plant and equipment from polluting the environment
- interpreting and following operational instructions and prioritising work
- monitoring work activities in terms of planned schedule
- operating electronic communications equipment to required protocol
- reading and interpreting relevant instructions, procedures and information
- recognising potential pollution risks and ways of minimising these risks
- reporting and/or rectifying identified problems promptly, in accordance with regulatory requirements and workplace procedures
- working collaboratively with others
- working systematically with required attention to detail without injury to self or others, or damage to goods or equipment.

Knowledge Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the elements and performance criteria and include knowledge of:

- application of relevant environmental protection regulations and requirements
- emission control checking requirements for plant and equipment
- environmental hazards and toxicity of materials typically carried in loads
- environmental protection standards required in the workplace
- environmental risks when carrying out workplace operations, and related precautions to control the risk
- procedures and processes for waste and effluent regulation
- relevant environmental protection regulations
- service and maintenance procedures and checklists for equipment and vehicles
- site layout including location of rubbish disposal bins
- typical problems that can occur when caring for the environment, and appropriate action that can be taken to prevent or solve these problems
- workplace procedures and guidelines for monitoring plant and equipment in an environmentally sustainable manner during workplace operations.

Assessment Conditions

Assessors must hold credentials specified within the Standards for Registered Training Organisations current at the time of assessment.

Assessment must satisfy the Principles of Assessment and Rules of Evidence and all regulatory requirements included within the Standards for Registered Training Organisations current at the time of assessment.

Assessment must occur in workplace operational situations where it is appropriate to do so; where this is not appropriate, assessment must occur in simulated workplace operational situations that replicate workplace conditions.

Assessment processes and techniques must be appropriate to the language, literacy and numeracy requirements of the work being performed and the needs of the candidate.

Resources for assessment include:

- a range of relevant exercises, case studies and/or simulations
- relevant and appropriate materials, tools, equipment and personal protective equipment (PPE) currently used in industry
- applicable documentation including workplace procedures, regulations, codes of practice and operation manuals.

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