



Australian Government

Department of Education, Employment and Workplace Relations

TLID4050A Discharge a dangerous goods tanker

Release: 1

TLID4050A Discharge a dangerous goods tanker

Modification History

Not applicable.

Unit Descriptor

This unit involves the skills and knowledge required to pump discharge a dangerous goods tanker.

Licensing, legislative, regulatory and certification requirements are applicable to this unit.

Application of the Unit

This unit applies to those working in the road transport fuel/gas industry.

Licensing/Regulatory Information

Refer to Unit Descriptor.

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

Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
1 Conduct pre-discharge activities	1.1 Delivery location is checked against site plan and delivery job sheet 1.2 Tanker is positioned to enable discharging to be carried out in accordance with site procedures without injury to people or damage to property 1.3 Park brake is applied, engine turned off and, where applicable, battery is isolated 1.4 Personal protective equipment (PPE) is used in accordance with site and organisational procedures
2 Prepare for discharging	2.1 Delivery location is checked for hazards and set up in accordance with regulatory requirements and company procedures 2.2 Lids on the spillbox are lifted and spillbox is drained of any liquid 2.3 ID markers and tumblers are checked against the safe discharge unload plan to verify that the load will fit 2.4 Hoses are removed from tanker and test date is checked
3 Follow discharge requirements and procedures	3.1 Product type and quantity to be discharged are checked to determine whether the receiving vessel can accept to load, and any discrepancies are rectified in accordance with organisational procedures 3.2 Locations of emergency equipment and emergency procedures are identified before discharging commences 3.3 Product transfer equipment is connected in accordance with regulatory and organisational requirements 3.4 Internal valve is opened 3.5 Checks are completed prior to commencing discharge in accordance with organisational procedures 3.6 Valve is fully opened and product is discharged safely in accordance with regulatory and organisational requirements and site procedures 3.7 Discharging process is monitored in accordance with regulatory requirements, and company and site procedures 3.8 Tanks and compartments are changed in accordance with regulatory and organisational requirements and site procedures

4 Work at heights on a dangerous tanker

- 4.1 Safety equipment is connected to the tanker prior to ascending the tanker ladders in accordance with safety regulations and site procedures
- 4.2 Safety equipment is connected when operating on top of the tanker in accordance with site and safety regulations
- 4.3 Work is completed in accordance with regulatory and organisational requirements and site procedures

5 Finish unloading

- 5.1 All valves on the tanker and receiving facility are closed and transfer equipment is secured in accordance with site procedures
- 5.2 Site is re-dipped and readings are recorded on delivery documentation
- 5.3 Site is restored to a clean and tidy condition in accordance with site procedures and any site defects are reported
- 5.4 Final safety inspection of tanker and site is conducted
- 5.5 Tanker is moved from the unloading area without damage to property or injury to people and in accordance with site procedures
- 5.6 Delivery documentation is completed, checked and adjusted and secured in the tanker in accordance with regulatory and organisational requirements at the completion of the discharge
- 5.7 Truck and tanker are checked to ensure correct placarding before departure
- 5.8 Site plan is followed for exiting the site

Required Skills and Knowledge

REQUIRED SKILLS AND KNOWLEDGE

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

Required knowledge:

- Road rules, regulations, permit and licence requirements of the relevant state and territory roads and traffic authority
- Relevant OH&S and environmental procedures and regulations
- Compatibility of various types of explosives and dangerous goods
- Characteristics of various classes of explosives and dangerous goods relevant to handling
- Workplace procedures and policies for loading and unloading explosives and dangerous goods
- Risks and hazards when loading, unloading and handling explosives and dangerous goods, and related precautions to control the risks

Required skills:

- Read and interpret instructions, procedures, information and signs relevant to the loading, unloading and handling of explosives and dangerous goods
- Identify and interpret containers and goods coding, markings and, where applicable, emergency information panels for the mode of transport/storage selected
- Communicate effectively with others when loading, unloading and handling explosives and dangerous goods

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, the Range Statement and the Assessment section in Section B of the accreditation submission.

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:
 - safely discharging a dangerous goods tanker
 - knowledge of control operation
 - connecting transfer equipment
 - applying correct methods for ascending and descending a tanker ladder
 - completing the documentation required for discharging a dangerous goods tanker

Context of and specific resources for assessment

- Assessment must ensure access to:
 - tools, equipment and PPE currently used in industry
 - relevant regulatory and equipment documentation that impacts on work activities

Method of assessment

- Holistic assessment with other units relevant to the industry sector, workplace and job role is recommended
- In all cases where practical assessment is used it will be combined with targeted questioning to assess required knowledge
- Assessment processes and techniques must be appropriate to the language and literacy capacity of the candidate and the work being performed

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. Bold italicised wording in the Performance Criteria is detailed below. Add any essential operating conditions that may be present with training and assessment depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts.

Tanker classes include:	• B-Double • B-Triple • AB-Quad
Checks may include:	• tumbler • sight glass • hose to tank • fill point • leaks • tumbler to sight glass • hydrant sight glass for correct product colour • fittings • hoses • vent area
Hazards may include:	• ignition sources • static electricity • slips, trips and falls • product contact
Personal safety measures include:	• gloves • safety headwear and footwear • safety glasses • two-way radios • protective clothing • high visibility clothing • eye wash kit
Emergency equipment includes:	• emergency shutdown controls • evacuation controls • fire extinguishers • eye wash bottles • spill kits
Documentation and records include:	• transport regulations as they apply to the enterprise, including local authority regulations and procedures • workplace policies and procedures • relevant Australian standards and certification requirements

Applicable legislative procedures and codes include:

- relevant internal data entry books, including log books, data sheets and load sheets
- transport emergency response plan (TERP)
- Australian code for the transport of dangerous goods by road or rail: the current Australian Dangerous Goods (ADG) Code
- relevant state and territory:
 - roads and traffic authority driving regulations and licence or permit requirements pertaining to operating heavy vehicles on unsealed roads
 - road rules
 - OH&S legislation
 - fatigue management regulations
 - environmental protection legislation and regulations

Unit Sector(s)

Not applicable.

Competency Field

D – Load Handling