



Australian Government

FBPOPR2009 Load and unload tankers

Release: 1

FBPOPR2009 Load and unload tankers

Modification History

Release	Comments
Release 1	This version released with FBP Food, Beverage and Pharmaceutical Training Package Version 1.0

Application

This unit of competency describes the skills and knowledge required to prepare, load and unload transport tankers with bulk product.

This unit applies to individuals who work under general supervision and exercise limited autonomy with some accountability for their own work.

All work must be carried out to comply with workplace procedures, in accordance with State/Territory work health and safety, and food safety regulations, legislation and standards that apply to the workplace.

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

Pre-requisite Unit

Nil

Unit Sector

Operational (OPR)

Elements and Performance Criteria

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Prepare transport tankers for loading	1.1 Read or listen to work instructions from supervisor and clarify where needed 1.2 Identify work health and safety hazards and tell supervisor 1.3 Wear appropriate personal protective equipment 1.4 Check the loading schedule to confirm loading requirements

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	1.5 Confirm that transfer equipment is in operational condition 1.6 Select transfer equipment settings and operating parameters to meet safety and loading requirements 1.7 Locate bulk materials to confirm type, quantity available and clearance for loading 1.8 Confirm priorities for loading to meet delivery requirements
2. Prepare to unload transport tankers	2.1 Check that receipts documentation confirms material type and quantities 2.2 Clear materials for unloading according to workplace procedures and safety requirements 2.3 Identify bulk storage locations, holdings and capacities 2.4 Confirm actual-to-recorded holding levels 2.5 Confirm transfer equipment is in operational condition 2.6 Confirm priorities for unloading to meet delivery requirements
3. Operate and monitor the tanker loading and unloading process	3.1 Start and operate the tanker loading process according to work health and safety and operating procedures 3.2 Monitor equipment to confirm load transfer to correct tanker in correct quantities 3.3 Identify and report variations in equipment operation 3.4 Maintain a clean and tidy workplace according to work health and safety procedures 3.5 Maintain workplace records according to workplace procedures 3.6 Conduct work according to workplace environmental guidelines
4. Complete loading operations	4.1 Select equipment settings to complete loading operation 4.2 Purge in-flight product from lines 4.3 Clean equipment and prepare for further loading according to work health and safety and food safety procedures 4.4 Record information on the loading operation according to workplace procedures 4.5 Identify and report maintenance requirements according to workplace procedures

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential for performance in this unit of competency but are not explicit in the performance criteria.

Skill	Description
Numeracy	Interpret capacities, quantities and product levels
Reading	Locate information relevant to product and other loading requirements
Writing	Record data and observations on written and digital media
Navigate the world of work	- Apply workplace procedures relevant to own responsibilities - Understand main tasks, responsibilities and boundaries of own role, including use of personal protective clothing and equipment, housekeeping standards and procedures, quality requirements and operating procedures
Interact with others	Communicate and report operational and safety information to relevant persons
Get the work done	- Make routine decisions relating to loading and unloading process - Recognise and respond to non-conforming product and equipment

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
FBPOPR2009 Load and unload tankers	FDFOP2009A Load and unload tankers	Updated to meet Standards for Training Packages	Equivalent unit

Links

Companion Volumes, including Implementation Guides, are available at VETNet: - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=78b15323-cd38-483e-aad7-1159b570a5c4>

Assessment Requirements for FBPOPR2009 Load and unload tankers

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Performance Evidence

An individual demonstrating competency in this unit must satisfy all of the elements and performance criteria of this unit.

There must be evidence that the individual has loaded and unloaded tankers on at least one occasion, including:

- accessing workplace information relating to loading/unloading requirements
- selecting, fitting and using personal protective equipment
- inspecting loading/unloading equipment for signs of wear
- confirming that tankers are in suitable condition for loading
- checking receivals/despatch documentation to confirm material types, quantities and transfer requirements
- confirming that bulk product/materials meet quality requirements for loading/unloading
- using workplace records and systems to confirm storage holdings and capacities and source/destination for loads
- planning and sequencing loading/unloading to meet delivery requirements/storage capacity and production requirements
- preparing transfer equipment for use
- operating and monitoring the loading/unloading process to confirm that correct quantities are transferred at the required times, to the required locations
- responding to and/or reporting equipment failure within level of responsibility
- completing transfer operations
- completing records of product/materials transfer
- maintaining work area to meet housekeeping standards
- following relevant work health and safety procedures.

Knowledge Evidence

An individual must be able to demonstrate the knowledge required to perform the tasks outlined in the elements and performance criteria of this unit. This includes knowledge of:

- bulk storage facilities layout and related management systems

- basic operating principles of the system and equipment used, including the features of the tanker loading/unloading and materials transfer systems
- equipment that controls the flow and transfer of bulk materials, equipment operating capacity and the status and purpose of guards
- tanker types and capacities
- planning and scheduling systems and responsibilities to prioritise loading and unloading processes, including the characteristics of materials received and related storage requirements, production requirements and storage capacities
- signs and symptoms of faulty equipment and early warning signs of potential problems including leaks, unusual noises and/or vibrations in pumps
- operating parameters and corrective action required where operation is outside specified operating parameters
- product inspection and procedures within level of responsibility
- steps in preparing transfer equipment for use, including confirming that equipment is clean, lines are purged, isolation or lock-outs are cancelled as required, and any scheduled maintenance has been completed
- steps in confirming that tankers are in suitable condition for loading, including checking cleaning records and confirming that any scheduled maintenance has been carried out
- steps in confirming that correct quantities are transferred at the required times, to the required locations, including monitoring pump loads, flow rates and filter/strainer condition
- clearance procedures, including relevant test methods and action required if results are not within specification or clearance is not provided
- work health and safety hazards and controls, including emergency procedures to respond to hazardous situations
- when and how to use emergency stop functions on equipment
- contamination risks and controls, including cross-contamination risks, product compatibility and storage requirements
- isolation, lock-out and tag-out procedures and responsibilities
- environmental issues associated with bulk liquid materials transfer, including consequences of spills and appropriate control/containment procedures
- recording requirements and procedures, including related receivals and despatch documentation
- cleaning procedures for loading and unloading tankers.

Assessment Conditions

Assessment of skills must take place under the following conditions:

- physical conditions:
 - a workplace or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - personal protective clothing and equipment
 - loading/unloading schedules and related receivals and/or despatch documentation

- tankers, storage facilities, materials transfer equipment and related equipment and services
- materials for loading/unloading
- cleaning procedures, materials and equipment
- specifications:
 - work procedures, including advice on safe work practices, food safety, quality and environmental requirements
 - information about equipment capacity and operating parameters and tanker types and capacities
 - loading/unloading information recording system and procedures.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

Links

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<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=78b15323-cd38-483e-aad7-1159b570a5c4>