Modification history

Release	Comments
Release 1	This version released with FBP Food, Beverage and Pharmaceutical Training Package Version 5.0

FBPOPR3XX1	Load and unload tankers
Application	This unit of competency describes the skills and knowledge required to prepare, load and unload transport tankers with bulk product and maintain records of product.
	This unit applies to individuals who work have responsibility for loading and unloading tankers and who resolve routine problems with that process.
	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.
Prerequisite Unit	Nil
Unit Sector	Operational (OPR)

Elements	Performance Criteria
Elements describe the essential outcomes.	*Performance criteria describe the performance needed to demonstrate achievement of the element.*
1. Prepare transport tankers for loading	1.1 Confirm work instructions and clarify where required 1.2 Identify health, safety and food safety hazards and confirm controls are in place 1.3 Wear appropriate personal protective equipment and clothing 1.4 Check the loading schedule to confirm loading requirements 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. Check product for loading	2.1 Check that receival record confirms product type and quantities 2.2 Clear product 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 safe work procedures 3.2 Monitor equipment to confirm load transfer to tanker in correct quantities 3.3 Monitor equipment to ensure optimal operations 3.4 Take samples of product for testing 3.5 Select equipment settings to complete loading operation 3.6 Purge in-flight product from lines 3.7 Clean equipment and prepare for further loading according to safe work and food safety procedures 3.8 Record information on the loading operation according to workplace procedures

Elements	Performance Criteria
Elements describe the essential outcomes.	*Performance criteria describe the performance needed to demonstrate achievement of the element.*
4. Unload product and complete housekeeping	4.1 Start and operate the tanker unloading process according to safe work procedures 4.2 Select equipment settings to complete unloading operation 4.3 Purge in-flight product from lines 4.4 Clean equipment and prepare for further work in line with workplace procedures 4.5 Ensure waste is disposed of in line with environmental requirements 4.6 Record information on the unloading operation according to workplace procedures 4.7 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
Learning	• Resolve routine problems with pumping equipment
Reading	• Interpret information relevant to product and loading requirements
Writing	• Record data and observations using electronic, digital and/or paper-based formats
Numeracy	• Interpret capacities (m3), quantities (mL, L, HL), temperature (°C)

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
FBPOPR3XX1 Load and unload tankers	FBPOPR2009 Load and unload tankers	AQF identifier in unit code updated to better match work task Minor changes to Performance Criteria to clarify intent Foundation skills refined Performance Evidence clarified Minor changes to Knowledge Evidence and Assessment Conditions	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

TITLE	Assessment requirements for FBPOPR3XX1 Load and unload tankers

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 at least one load of product in to and out of a tanker, including:
- applying safe work practices
- applying food safety procedures to work practices
- taking corrective action in response to typical faults and inconsistencies
- completing records accurately.

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 facility 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
- health and safety hazards and controls, including emergency procedures to respond to hazardous situations
- contamination risks and controls, including cross-contamination risks, product compatibility and storage requirements
- awareness of common microbiological, physical, chemical and allergen hazards related to the foods handled in the work area, including the types of hazards likely to occur, the conditions under which they occur, possible consequences, and control methods to prevent occurrence
- when and how to use emergency stop functions on equipment
- 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 dispatch documentation
- cleaning procedures for loading and unloading equipment and tanker
- procedures to record traceability of product and ingredients.

Assessment Conditions

Assessment of skills must take place under the following conditions:
- physical conditions:

Assessment 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 dispatch documentation   - tankers, storage facilities and materials transfer equipment   - product for loading/unloading   - cleaning materials and equipment   - specifications: - work procedures, including advice on safe work practices, food safety, quality and environmental requirements   - information about equipment/tanker capacity and operating parameters   - 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.

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