



Australian Government

**Assessment Requirements for
FBPOPR2008 Operate a bulk liquid
transfer process**

Release: 1

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Modification History

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

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 received and loaded out bulk liquid product or raw materials on at least one occasion, including:

- accessing workplace information relating to materials transfer requirements
- selecting, fitting and using personal protection equipment
- inspecting equipment for signs of wear, including visual inspections to detect leaks, listening for unusual noises and/or vibrations in pumps, and checking gauges and meters
- using workplace records and systems to confirm tank holdings and capacities and determining appropriate source/destination holding facilities, including verifying by physically inspecting storage facilities and checking materials/product compatibility
- planning and sequencing transfer process to meet storage capacity and production requirements
- preparing equipment for materials transfer, including confirming that equipment is clean, lines are purged, isolation or lock-outs are cancelled as required, any scheduled maintenance has been completed, and safety guards/equipment are correctly positioned
- carrying out procedures to confirm liquid bulk product/materials meet quality requirements
- operating and monitoring transfer process to confirm that correct quantities are transferred at the required times, to the required locations, including monitoring pump loads and flow rates, and filter/strainer condition
- responding to and/or reporting equipment failure within level of responsibility
- locating emergency stop functions on equipment
- completing transfer operations, including purging lines and selecting appropriate equipment/system settings
- completing records of product/materials transfer as required
- maintaining work area to meet housekeeping standards
- using process control and scheduling systems, screens and panels according to enterprise procedures

- 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 liquid materials storage facilities layout and related management systems
- basic operating principles of the system and equipment used, including the features of the bulk liquid handling system
- equipment used, including sensors, valves, pumps, pipework and other related equipment that controls the flow and transfer of bulk liquid materials, equipment operating capacity and the status and purpose of guards
- planning and scheduling systems and responsibilities to prioritise materials transfer processes, including 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
- operating parameters and corrective action required where operation is outside specified operating parameters
- work health and safety hazards and controls, including emergency procedures to respond to hazardous situations
- product inspection procedures within level of responsibility
- clearance procedures, including relevant test methods and action required if results are not within specification or clearance is not provided
- 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 for the bulk liquid transfer process
- basic operating principles of process control, where relevant, including the relationship between control panels and systems and the physical equipment
- workplace cleaning procedures required for the bulk liquid transfer process.

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
 - bulk transfer system, equipment and services
 - bulk materials (liquid)
 - receipt schedules and sequencing systems

- sampling schedules and test procedures and equipment as required
- documentation and recording requirements and procedures
- cleaning procedures, materials and equipment
- specifications:
 - work roles and responsibilities, training and career information
 - work procedures, including advice on safe work practices, food safety, quality and environmental requirements
 - storage locations, capacities and bulk receipt equipment capacity and operating parameters.

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

Links

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