



Australian Government

AHCMOM316 Refuel machinery or vehicle

Release: 2

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Modification History

Release	Comments
Release 2	This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 3.0.
Release 1	This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 1.0.

Application

This unit of competency describes the skills and knowledge required to receive and store bulk fuel, prepare for refuelling, refuel machinery or vehicle and complete refuelling.

The unit applies to individuals who refuel machinery or vehicles under broad direction, and take responsibility for their own work.

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

Pre-requisite Unit

Nil

Unit Sector

Machinery operation and maintenance (MOM)

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. Receive and store bulk fuel	1.1 Identify regulatory and industry requirements for the receipt and storage of bulk fuel, and refuelling operations 1.2 Identify health and safety hazards in the workplace, assess risks and implement suitable controls 1.3 Identify dangers of volatile fuel liquids and vapours 1.4 Locate and check firefighting and spill response equipment, and

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	<p>replace faulty equipment according to manufacturer specification</p> <p>1.5 Ensure facilities for storage of bulk fuel meet national standards</p> <p>1.6 Check bulk fuel storage facilities to ensure fuel quality is maintained during storage</p> <p>1.7 Check storage facilities and refuelling equipment for leaks</p> <p>1.8 Receive bulk fuel into storage according to regulatory requirements and workplace procedures</p> <p>1.9 Complete documentation for receipt of bulk fuel according to workplace procedures</p> <p>1.10 Monitor bulk fuel during storage to maintain fuel quality and usage</p>
2. Prepare for refuelling	<p>2.1 Select and maintain personal protective equipment</p> <p>2.2 Fit and use personal protective equipment and confirm safety equipment applicable to the task being undertaken</p> <p>2.3 Select fuel based on machinery or vehicle use and manufacturer specifications</p> <p>2.4 Ensure appropriate firefighting and spill response equipment are accessible</p> <p>2.5 Ensure appropriate refuelling equipment is available and meets national standards</p> <p>2.6 Check and secure refuelling equipment according to workplace practices and manufacturer specifications</p> <p>2.7 Position and secure machinery or vehicle for refuelling</p>
3. Refuel machinery or vehicle from fixed storage	<p>3.1 Open tank valves on machinery or vehicle if necessary</p> <p>3.2 Refuel machinery or vehicle according to regulatory requirements and manufacturer specifications</p> <p>3.3 Ensure there is no residual fuel left in any equipment used for fuel transfer</p> <p>3.4 Contain spills and mitigate environmental or safety dangers according to legislation and workplace procedures</p> <p>3.5 Check fuel levels are at required level for refuelling purposes</p> <p>3.6 Close and secure tank valves if necessary</p>

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
4. Refuel machinery or vehicle from portable containers	<ul style="list-style-type: none">4.1 Ensure only approved containers are used to transport decanted fuel4.2 Ensure portable containers being towed are secure4.3 Check containers to ensure fuel quality is maintained4.4 Decant fuel from fixed storage into containers ensuring risks are minimised4.5 Ensure there is no residual fuel in fuel transfer equipment for all decanting procedures4.6 Transport containers to worksite according to regulatory requirements and workplace procedures4.7 Decant fuel from portable containers using appropriate equipment4.8 Contain spills and mitigate environmental or safety dangers according to legislation and workplace procedures
5. Complete refuelling	<ul style="list-style-type: none">5.1 Clean, maintain and store refuelling equipment and containers according to workplace procedures5.2 Complete workplace documentation and records in required format

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
Reading	<ul style="list-style-type: none">• Interpret textual information from a range of sources to identify relevant and key information about workplace operations
Writing	<ul style="list-style-type: none">• Complete operational records
Numeracy	<ul style="list-style-type: none">• Estimate, calculate and record quantities of fuel
Navigate the world of work	<ul style="list-style-type: none">• Recognise and follow workplace requirements, including safety requirements, associated with own role and area of responsibility

Range of Conditions

This section specifies different work environments and conditions that may affect performance. Essential operating conditions that may be present (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) are included.

Personal protective equipment must include:	<ul style="list-style-type: none">• protective clothing• protective eyewear• unlined rubber or plastic gloves• neoprene or nitrile boots• high visibility clothing.
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Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
AHCMOM316 Refuel machinery or vehicle Release 2	AHCMOM316 Refuel machinery or vehicle Release 1	Minor changes to performance criteria, foundation skills and range of conditions	Equivalent unit

Links

Companion Volumes, including Implementation Guides are available at VETNet - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72>