



Australian Government

RIIMPO319E Conduct backhoe/loader operations

Release: 1

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Modification History

Release	Comments
Release 1	This version first released with RII Resources and Infrastructure Industry Training Package Version 3.0.

Application

This unit describes the skills and knowledge required to operate a backhoe/loader to load, distribute and place materials.

This unit applies to those working in site based roles.

Licensing, legislative, regulatory and certification requirements that apply to this unit can vary between states, territories, and industry sectors, and must be sourced from state jurisdictions prior to applying this unit.

Unit Sector

Civil infrastructure

Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Plan and prepare for backhoe/loader operations	1.1 Access, interpret and apply backhoe/loader operations documentation 1.2 Obtain, interpret, clarify and confirm work instructions 1.3 Identify hazards and environmental issues, assess the risks and implement control measures in line with workplace policies 1.4 Select and wear personal protective equipment required for work activities 1.5 Identify, obtain and implement signage traffic management requirements according to standard operating procedures and safe work practices 1.6 Select required backhoe/loader equipment and confirm suitability for work activities

ELEMENT	PERFORMANCE CRITERIA
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	<p>1.7 Obtain and interpret emergency procedures for backhoe/loaders, and be prepared for fires, accidents and emergencies</p> <p>1.8 Coordinate and communicate planned activities with others at the site prior to commencement of work activity</p>
2. Operate backhoe/loader in line with established requirements	<p>2.1 Carry out prestart and start-up checks in line with workplace procedures</p> <p>2.2 Identify faults or defects and rectify or report within scope of own responsibility and according to workplace procedures</p> <p>2.3 Drive and operate machine using techniques suited to equipment capabilities, site and work conditions, and according to workplace procedures</p> <p>2.4 Monitor hazards and risks during operations, and ensure safety of self, other personnel, plant and equipment</p> <p>2.5 Monitor and manage equipment performance using indicators and alarms</p>
3. Load, carry and place materials to complete work activity	<p>3.1 Establish weight of load and ensure it is within safe operational limits of the machine</p> <p>3.2 Use lifting gear within safe working load requirements and in line with workplace procedures</p> <p>3.3 Position and locate machinery to ensure stable and effective shift materials according to work requirements</p> <p>3.4 Shift materials safely and effectively, using hand, audible and communication signal, in line with workplace procedures</p> <p>3.5 Park up, shut down, secure and carry out post operational inspection of equipment in line with workplace procedures</p>
4. Select, remove, fit and attachments for a backhoe/loader	<p>4.1 Select attachment for the task and fit attachment in line with workplace procedures</p> <p>4.2 Test attachment and ensure correct fitting and operation</p> <p>4.3 Use attachment within design limits and in accordance with workplace procedures</p> <p>4.4 Remove, clean and store attachments in designated location in line with workplace procedures</p>
5. Relocate the backhoe/ loader	<p>5.1 Prepare backhoe/loader for relocation</p> <p>5.2 Move backhoe/loader safely between worksites, observing</p>

ELEMENT	PERFORMANCE CRITERIA
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	relevant codes and traffic management requirements
6. Conduct housekeeping activities	<p>6.1 Clear work area and dispose of or recycle materials according to workplace procedures</p> <p>6.2 Manage and/or report hazards to maintain a safe working environment</p> <p>6.3 Complete and file or distribute documentation in a manner that complies with workplace practices</p>

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance.

Skill	Description
Reading	<ul style="list-style-type: none"> Identifies and interprets information from workplace procedures, documentation, legislation and regulations
Numeracy	<ul style="list-style-type: none"> Uses equipment operating capacity schedule to confirm safe weight load limits

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
RIIMPO319E Conduct backhoe/loader operations (Release 1)	RIIMPO319D Conduct backhoe/loader operations (Release 3)	Minor updates to reflect changes to operator maintenance activities and assessment for attachments	Equivalent unit

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=88a61002-9a21-4386-aaf8-69c76e675272>