



Australian Government

RIIMPO330E Conduct bucket-wheel operations

Release: 1

RIIMPO330E Conduct bucket-wheel operations

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 and excavate using a bucket-wheel excavator.

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

Coal mining

Metalliferous mining

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 bucket-wheel operations	1.1 Access, interpret and apply bucket-wheel operations documentation 1.2 Obtain, interpret, clarify and confirm work requirements 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 Access, interpret and apply geological and survey data required to complete the work activity 1.6 Select required bucket wheel equipment and confirm suitability for

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>work activities</p> <p>1.7 Obtain and interpret emergency procedures for bucket wheel excavators, 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 bucket-wheel excavator in line with established requirements to complete work activity	<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 bucket-wheel to remove and place burden using techniques suited to equipment capabilities, site and work conditions, and according to workplace procedures</p> <p>2.4 Monitor and manage equipment performance using indicators and alarms in accordance with manufacturers' specifications</p> <p>2.5 Monitor hazards and risks during operations, and ensure safety of self, other personnel, plant and equipment</p> <p>2.6 Park up, shut down, secure and carry out post operational inspection of equipment in line with workplace procedures</p>
3. Relocate bucket-wheel excavator	<p>3.1 Receive and confirm route and location plan and perform site inspection to confirm suitability</p> <p>3.2 Complete ground preparation</p> <p>3.3 Carry out cable location and handling in a safe manner</p> <p>3.4 Coordinate use of support equipment and personnel</p> <p>3.5 Relocate bucket wheel excavator in line with workplace procedures</p>
4. Conduct housekeeping activities	<p>4.1 Clear work area and dispose of or recycle materials in line with workplace procedures</p> <p>4.2 Manage and/or report hazards to maintain a safe working environment</p> <p>4.3 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 relevant 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
RIIMPO330E Conduct bucket-wheel operations (Release 1)	RIIMPO330D Conduct bucket-wheel operations (Release 4)	Minor updates to reflect changes to operator maintenance activities	Equivalent unit

Links

Companion Volume implementation guides are found in VETNet -

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