



Australian Government

RIIMPO303E Conduct rope shovel 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 develops the skills and knowledge required to operate rope shovel to dig and load trucks.

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

Extractive

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 rope shovel operations	1.1 Access, interpret and apply rope shovel documentation 1.2 Obtain, interpret, clarify and confirm work requirements before proceeding 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 Select required rope shovel 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>1.6 Position or move cable towers, power lines and/or crossovers to location according to work requirements, ensuring safety of operator and other personnel</p> <p>1.7 Obtain and interpret emergency procedures, 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 shovel	<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 shovel, with correct reach angle, and ensure optimum bucket load without overload or strain on shovel</p> <p>2.4 Monitor and manage equipment performance using indicators and alarms according to manufacturers' specifications</p> <p>2.5 Monitor hazards and risks during operations, and ensure safety of self, other personnel, plant and equipment</p>
3. Dig and load trucks with rope shovel	<p>3.1 Position and set up shovel for safe, efficient digging</p> <p>3.2 Determine and maintain depth of bench, ensure optimum use of bucket capacity</p> <p>3.3 Set and monitor bucket penetration and ensure optimum bucket load and to minimise overload or strain on shovel</p> <p>3.4 Walk shovel and re-position for safe and efficient operation</p> <p>3.5 Coordinate truck positioning to ensure safe loading operation</p> <p>3.6 Load material on truck, and ensure bucket clears side of truck and is not swung over truck cabin to ensure safety</p> <p>3.7 Check material is placed in the centre of truck tray and does not exceed truck load limit in accordance with manufacturers' specifications</p> <p>3.8 Re-position shovel, and ensure safety of other operations personnel, property and equipment</p> <p>3.9 Keep floor clear and level and remove spillages</p> <p>3.10 Park shovel in safe area, on flat, level ground at end of operation</p> <p>3.11 Shut down, secure and carry out post operational inspection of</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>
	equipment in line with workplace procedures
4. Conduct housekeeping activities	4.1 Clear work area and dispose or recycle materials according to workplace procedures 4.2 Manage and/or report hazards, and maintain a safe working environment 4.3 Complete and file or distribute documentation in a manner that complies with workplace practices

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
RIIMPO303E Conduct rope shovel operations (Release 1)	RIIMPO303D Conduct rope shovel operations (Release 4)	Minor updates to reflect changes to operator maintenance and relocation 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>