



Australian Government

RIIMPO302D Conduct hydraulic shovel operations

Release: 2

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Modification History

Not applicable.

Application

This unit develops a participant's skills and knowledge required to conduct hydraulic shovel operations in Coal and Metalliferous mining and Extractive.

This unit is appropriate for those working in operational roles.

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

Unit Sector

- Coal mining
- Extractive
- Metalliferous mining
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Elements and Performance Criteria

<p>1. Plan and prepare for hydraulic shovel operations</p>	<p>1.1 Access, interpret and apply hydraulic shovel documentation and ensure the work activity is compliant</p> <p>1.2 Obtain, read, interpret, clarify and confirm work requirements</p> <p>1.3 Identify and address risks, hazards and environmental issues and implement control measures</p> <p>1.4 Select and wear personal protective equipment appropriate for work activities</p> <p>1.5 Select, and check for faults, equipment and/or attachments</p> <p>1.6 Comply with environmental requirements</p> <p>1.7 Obtain and interpret emergency procedures, and be prepared for fire/accident/emergency</p>
<p>2. Operate hydraulic shovel</p>	<p>2.1 Carry out start-up, park, shutdown and secure equipment procedures</p> <p>2.2 Coordinate activities with others at the site prior to commencing, during, and on completion of the work activity</p> <p>2.3 Monitor and manage equipment performance using indicators and alarms, and ensure efficiency of operation</p> <p>2.4 Drive and operate shovel smoothly, with correct reach angle, and ensure optimum bucket load without overload or strain on shovel</p> <p>2.5 Act on or report monitoring systems and alarms</p> <p>2.6 Continually monitor hazards and risks, and ensure safety of self, other personnel, plant and equipment</p> <p>2.7 Complete the work plan, within the operating capacities of the equipment</p>

<p>3. Dig and load trucks</p>	<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 Communicate with and direct truck positioning, and 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</p> <p>3.7 Ensure material is placed in the centre of truck tray and does not exceed truck load limit</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>4. Carry out operator maintenance</p>	<p>4.1 Prepare machine for maintenance</p> <p>4.2 Conduct inspection and fault finding</p> <p>4.3 Carry out scheduled maintenance tasks</p> <p>4.4 Return machine to service</p> <p>4.5 Process written maintenance records</p>
<p>5. Conduct housekeeping activities</p>	<p>5.1 Clear work area and dispose of or recycle materials</p> <p>5.2 Clean and maintain condition of equipment, ensure suitability for use, and address/report issues</p> <p>5.3 Manage and/or report hazards, and maintain a safe working environment</p> <p>5.4 Process written records</p>

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit. Further information is available in the Resources and Infrastructure Industry Training Package Companion Volume.

Unit Mapping Information

No equivalent unit

Links

SkillsDMC RII Companion Volumes - <http://www.skillsdmc.com.au/>