



Australian Government

RIBHD302D Conduct underground development drilling

Release: 3

RIIBHD302D Conduct underground development drilling

Modification History

Release	Comment
1	This unit replaces RIIBHD302A Conduct underground development drilling.
2	Inserted correct information in Performance Evidence field; editorial corrections.
3	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including: references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.

Application

This unit describes a participant's skills and knowledge required to Conduct underground development drilling in Metalliferous mining.

This unit is appropriate for those working in driller roles.

Licensing, legislative, regulatory and certification requirements that apply to this unit can vary between states, territories, and Industry sectors. Relevant information must be sourced prior to application of the unit.

Unit Sector

Metalliferous mining (Underground)

Elements and Performance Criteria

1. Prepare for underground drilling	<p>1.1 Access, interpret and apply underground development drilling documentation and ensure the work activity is compliant</p> <p>1.2 Receive, interpret and clarify shift change over details including relevant geo-technical details</p> <p>1.3 Select and wear correct personal protective equipment</p> <p>1.4 Inspect and assess site conditions to determine if scaling is required and take action according to site requirements</p> <p>1.5 Conduct equipment pre-start checks to ensure equipment is safe and ready to use</p> <p>1.6 Confirm work area ventilation before entry into work area</p>
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	1.7 Check job site and identify and control possible misfires
2. Drill and monitor progress	<p>2.1 Conduct work safely and efficiently while following procedures, regulations, WHS, and manufacturer's specifications</p> <p>2.2 Identify, control and report hazards and potential risks according to drilling plan</p> <p>2.3 Use approved dust suppression and extraction methods</p> <p>2.4 Maintain safety of driller and surrounding personnel</p> <p>2.5 Operate equipment safely within working environment limitations and face/ground conditions</p> <p>2.6 Read and interpret drill plans, drill holes and realign equipment according to drill design</p> <p>2.7 Monitor conditions and adjust drilling techniques and components to maintain drilling operations</p> <p>2.8 Monitor drilling progress by monitoring equipment indicators</p> <p>2.9 Remove drill cuttings and sludge to ensure drill hole remains clean</p> <p>2.10 Diagnose and take appropriate action to control drilling problems and advise appropriate personnel</p> <p>2.11 Mark misdirected drill holes</p> <p>2.12 Install collar pipes or lifters in readiness for charging</p>
3. Pack up drill site	<p>3.1 De-rig equipment appropriately</p> <p>3.2 Clear site of debris</p> <p>3.3 Remove auxiliary services to allocated area</p> <p>3.4 Confirm equipment is ready for transport</p>
4. Carry out operator maintenance	<p>4.1 Carry out shutdown procedures</p> <p>4.2 Service and make minor adjustments to equipment</p> <p>4.3 Inspect equipment and reports faults and make equipment available for routine operational servicing</p>
5. Carry out housekeeping activities	<p>5.1 Clean equipment to maintain condition and ensure safe and efficient operations</p> <p>5.2 Clean and store auxiliary service equipment</p> <p>5.3 Complete all written documentation clearly, concisely and on time</p> <p>5.4 Pass on end of shift information to oncoming shift</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

RIIBHD302A Conduct underground development drilling

Links

Companion Volume implementation guides are found in VETNet -

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