



Australian Government

RIBHD303D Conduct long hole drilling

Release: 2

RIIBHD303D Conduct long hole drilling

Modification History

Release	Comment
1	This unit replaces RIIBHD303A Conduct long hole drilling
2	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 long hole drilling in the Metalliferous mining.

This unit is appropriate for those working in driller roles.

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

Unit Sector

Metalliferous mining

Elements and Performance Criteria

1. Plan and prepare drilling site	<p>1.1 Access, interpret and apply drilling documentation and ensure the work activity is compliant</p> <p>1.2 Plan and prepare work activities to meet drilling requirements</p> <p>1.3 Receive, interpret and clarify shift change over details and review historical information</p> <p>1.4 Select and wear correct personal protective equipment</p> <p>1.5 Identify, manage and/or report hazards and potential risks according to the work plan</p> <p>1.6 Inspect and assess site conditions to determine if scaling is required and take action according to site requirements</p> <p>1.7 Place visible orientation marks to drill plan according to site procedures</p> <p>1.8 Ensure auxiliary services are available</p>
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	<p>1.9 Erect physical barricades and signs and/or safety provisions to prevent unauthorised access</p> <p>1.10 Identify and clearly mark butts/misfires according to site procedures</p> <p>1.11 Ensure area is well ventilated using dust suppression and extraction methods before entry into work area</p> <p>1.12 Conduct equipment pre-start checks to insure equipment is safe and ready to use</p>
<p>2. Move equipment and materials to site</p>	<p>2.1 Conduct work in a safe and efficient manner</p> <p>2.2 Complete pre-start checks and confirm equipment is prepared for transportation</p> <p>2.3 Identify and manage hazards and potential risks to ensure safe transportation to drill site</p> <p>2.4 Transport equipment and attachments safely, according to road conditions, avoiding damage to equipment, site or injury to personnel</p> <p>2.5 Position and stabilise equipment at site according to ground conditions</p> <p>2.6 Connect auxiliary services</p> <p>2.7 Read, interpret and align equipment with orientation marks</p>
<p>3. Drill and monitor progression</p>	<p>3.1 Conduct work according to procedures, requirements and specifications in a safe and efficient manner</p> <p>3.2 Identify, manage and/or report hazards and potential risks according to work plan</p> <p>3.3 Use approved dust suppression and extraction methods</p> <p>3.4 Operate equipment safely within working environment limitations and face/ground conditions</p> <p>3.5 Interpret drill plans, then drill holes and realign equipment according to drill design and ground conditions</p> <p>3.6 Monitor ground conditions and adjust drilling techniques and components to maintain drilling operations</p> <p>3.7 Install collar pipes</p> <p>3.8 Remove drill cuttings and sludge to ensure drill hole remains clean</p> <p>3.9 Complete all required documentation clearly, concisely and mark misdirected holes</p>
<p>4. Pack-up drill site</p>	<p>4.1 Carry out shutdown procedures</p>

	<p>4.2 De-rig equipment appropriately</p> <p>4.3 Clear site of debris</p> <p>4.4 Remove auxiliary services to allocated area</p> <p>4.5 Confirm equipment is ready for transport</p>
5. Carry out operator maintenance	<p>5.1 Service and make minor adjustments to equipment</p> <p>5.2 Visually inspect equipment and report faults and make equipment available for routine operational servicing</p> <p>5.3 Provide operator support during preparation for, and conduct of maintenance tasks</p>
6. Conduct housekeeping activities	<p>6.1 Clean equipment to maintain condition of equipment and ensure safe and efficient operations</p> <p>6.2 Clean and store auxiliary service equipment</p> <p>6.3 Complete all required written documentation clearly, concisely and on time</p> <p>6.4 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

RIIBHD303A Conduct long hole drilling

Links

Companion Volume implementation guides are found in VETNet -

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