



**Australian Government**

# **RIINHB317D Install underground in-seam directional drilling standpipes**

**Release: 2**

# RIINHB317D Install underground in-seam directional drilling standpipes

## Modification History

Release	Comment
1	This unit replaces RIINHB317A Install underground in-seam directional drilling standpipes
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 install underground in-seam directional drilling standpipes in Coal mining and Drilling.

This unit is appropriate for those working in driller roles.

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

## Unit Sector

Coal mining

Drilling

## Elements and Performance Criteria

1. Plan and prepare for installing underground in-seam directional drilling standpipe	<p>1.1 Access, interpret and apply install underground in-seam directional drilling standpipes documentation and the work activity is compliant</p> <p>1.2 Obtain, read, interpret, clarify and confirm work requirements</p> <p>1.3 Identify and address potential 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 Communicate and coordinate activities with others throughout the work activity</p>
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	1.6 Obtain and interpret emergency procedures, and be prepared for fire/accident/emergency
2. Perform rib consolidation	<p>2.1 Carry out pre-start and start up procedures</p> <p>2.2 Identify, select and apply rig operational controls</p> <p>2.3 Prepare for rib consolidation drilling</p> <p>2.4 Carry out rib consolidation drilling</p> <p>2.5 Monitor and adjust drilling technique according to conditions</p> <p>2.6 Identify and remedy operational problems</p> <p>2.7 Insert and seal grouting tubes into rib consolidation holes</p> <p>2.8 Inject grout through the grouting tubes until visible evidence that grout has migrated into any coal rib fractures or cracks</p> <p>2.9 Carryout individual grouting completion procedure</p>
3. Drill and ream hole and install standpipe	<p>3.1 Prepare for drilling and reaming</p> <p>3.2 Choose drill bit and reamer appropriate to the geology</p> <p>3.3 Carry out pilot hole drilling and ream standpipe hole</p> <p>3.4 Monitor and adjust drilling technique according to conditions</p> <p>3.5 Prepare and install standpipe</p> <p>3.6 Grout in standpipe</p> <p>3.7 Continually monitor hazards and risks , and ensure safety of self, other personnel, plant and equipment</p>
4. Complete equipment maintenance and housekeeping	<p>4.1 Carry out shutdown procedures and secure equipment</p> <p>4.2 Monitor the drill rods for wear and damage and dress and grease threads</p> <p>4.3 Monitor all drill equipment and hoses and ancillary equipment and carryout remedial action</p> <p>4.4 Clean and maintain all grouting equipment</p> <p>4.5 Ensure housekeeping activities are completed</p> <p>4.6 Process 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**

RIINHB317A Install underground in-seam directional drilling standpipes

## **Links**

Companion Volume implementation guides are found in VETNet -

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