



Australian Government

RIINHB219D Assist with air drilling

Release: 3

RIINHB219D Assist with air drilling

Modification History

Release	Comment
1	This unit replaces RIINHB219A Assist with air drilling.
2	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 assist with air drilling in the Resources and Infrastructure Industries.

This unit is appropriate for those working in drillers assistant 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

Drilling

Elements and Performance Criteria

1. Plan and prepare for assisting with air drilling	<p>1.1 Access, interpret and apply assist with air drilling 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 potential risks, hazards and environmental issues and implement control measures</p> <p>1.4 Select and wear appropriate personal protective equipment for work activities</p> <p>1.5 Communicate and coordinate activities with others throughout the work activity</p> <p>1.6 Load, unload and move tools and equipment</p>
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	1.7 Obtain and interpret emergency procedures, and be prepared for fire/accident/emergency
2. Support the air drilling process	<p>2.1 Fit and remove and measure bits and down-hole tools to/from the drill string</p> <p>2.2 Prepare drill string in readiness for tripping and drilling</p> <p>2.3 Sharpen drill bits</p> <p>2.4 Add and remove drill rod to and from the drill string</p> <p>2.5 Inspect and maintain drill pipe, bits, threads and other down-hole equipment</p> <p>2.6 Use pipe and casing handling equipment</p> <p>2.7 Install and seal casing</p> <p>2.8 Use, install and maintain stuffing boxes and collar T pieces</p>
3. Handle samples	<p>3.1 Obtain and/or lay out samples as required</p> <p>3.2 Split, bag, label and store samples for transport</p> <p>3.3 Clean and service sampling equipment</p> <p>3.4 Obtain uncontaminated samples using appropriate sampling methods</p> <p>3.5 Identify safety precautions for handling potentially hazardous samples</p> <p>3.6 Clear blockages in sample and delivery system</p> <p>3.7 Note and report possible changes to sample quality due to blockages</p>
4. Use restraining devices	<p>4.1 Fit restraining devices</p> <p>4.2 Identify dangers of high velocity samples in air drilling and take appropriate measures to minimise hazard</p>
5. Mix drilling fluids for air/foam drilling	<p>5.1 Check labels and read and interpret safety information/ hazard codes</p> <p>5.2 Mix the drilling fluid</p> <p>5.3 Store drilling fluid components and additives</p>
6. Carry out basic maintenance of tools and equipment	<p>6.1 Perform inspections and routine checks on ancillary equipment such as air compressor and injection pump</p> <p>6.2 Perform inspections and basic maintenance of pipe handling equipment</p> <p>6.3 Select and maintain bit sharpening equipment</p> <p>6.4 Complete housekeeping activities</p>

	6.5 Process records
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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

RIINHB219A Assist with air drilling

Links

Companion Volume implementation guides are found in VETNet - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=88a61002-9a21-4386-aaf8-69c76e675272>