



Australian Government

RINHB211D Assist mud rotary drilling

Release: 2

RIINHB211D Assist mud rotary drilling

Modification History

Release	Comment
1	This unit replaces RIINHB211A Assist mud rotary drilling.
2	Formatting corrections. 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 mud rotary drilling in the Resources and Infrastructure Industry.

This unit is appropriate for those working in drillers assistant roles.

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

Elements and Performance Criteria

1. Plan and prepare for assisting with mud rotary drilling	1.1 Access, interpret and apply assist mud rotary drilling documentation, and ensure the work activity is compliant 1.2 Obtain, read, interpret, clarify and confirm work requirements 1.3 Identify and address potential risks, hazards and environmental issues and implement control measures 1.4 Select and wear personal protective equipment appropriate for the work activity 1.5 Communicate and coordinate activities with others throughout the work activity 1.6 Load, unload and move tools and equipment 1.7 Set up and stabilise pipe racks 1.8 Obtain and interpret emergency procedures, and be prepared for fire/accident/emergency
2. Support the rotary	2.1 Fit and remove bits, reamers and stabilizers to and from the

mud drilling process	drill string 2.2 Prepare drill string in readiness for tripping and drilling 2.3 Add and remove drill pipe and collars from the drill string 2.4 Inspect drill pipe, collars, bits, threads and associated equipment for damage 2.5 Continually monitor hazards and risks, and ensure safety of self, other personnel, plant and equipment 2.6 Use pipe and casing handling equipment
3. Handle samples	3.1 Apply safety precautions when handling potentially hazardous samples 3.2 Obtain and/or lay out disturbed samples 3.3 Bag, properly label and store samples for transport 3.4 Clean and service sampling tools 3.5 Store undisturbed samples for transport
4. Mix drilling fluids	4.1 Check labels and read and interpret safety information, hazard codes and safety data sheets (SDS) 4.2 Mix drilling fluids 4.3 Carry out storage of drilling mud components and additives 4.4 Perform basic tests on the fluid and record and report the results
5. Carry out basic maintenance of tools and equipment	5.1 Perform inspections and routine checks on ancillary equipment 5.2 Perform inspections and basic maintenance on pipe handling equipment 5.3 Complete housekeeping activities 5.4 Process records

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

RIINHB211A Assist mud rotary drilling

Links

Companion Volume implementation guides are found in VETNet -

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