



Australian Government

RIINHB213D Assist cable tool drilling

Release: 2

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Modification History

Release	Comment
1	This unit replaces RIINHB213A Assist cable tool 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 assist cable tool drilling in Drilling.

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.

Unit Sector

Drilling

Elements and Performance Criteria

1. Plan and prepare for assisting with cable tool drilling	1.1 Access, interpret and apply assist with cable tool 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 a personal protective equipment appropriate for work activities 1.5 Communicate and coordinate activities with others throughout the work activity 1.6 Load, unload and move tools and equipment 1.7 Identify safety precautions for handling potentially contaminated samples
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	1.8 Obtain and interpret emergency procedures, and be prepared for fire/accident/emergency
2. Support the cable tool drilling process	2.1 Fit/remove and measure correct bits to/from the tool string 2.2 Layout tools and equipment in readiness for drilling 2.3 Inspect tool string components and replace worn/damaged components 2.4 Continually monitor hazards and risks, and ensure safety of self, other personnel, plant and equipment 2.5 Operate rod/casing handling equipment
3. Handle samples	3.1 Remove samples from barrels 3.2 Take precautions to ensure no surface contamination of samples 3.3 Carry out collection of sludge samples
4. Mix drilling fluids	4.1 Check labels and read and interpret safety information/ hazard codes 4.2 Mix drilling fluid 4.3 Carry out storage of drilling mud components and additives 4.4 Perform basic tests on fluids and record/report the results
5. Carry out basic maintenance of tools and equipment	5.1 Perform inspection and checks on serviceability of drilling components 5.2 Perform inspections and routine checks on ancillary 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

No equivalent unit

Links

Companion Volume implementation guides are found in VETNet -

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

Assessment Requirements for RIINHB213D Assist cable tool drilling

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Performance Evidence

Evidence is required to be collected that demonstrates a candidate's competency in this unit. Evidence must be relevant to the roles within this sector's work operations and satisfy all of the requirements of the performance criteria of this unit and include evidence that the candidate:

- locates and applies relevant documentation, policies and procedures
- implements the requirements, procedures and techniques for the safe, effective and efficient assisting with cable tool drilling including:
 - identification of thread types
 - identification of bits in use and how to measure them
 - operating rod handling equipment
 - refuelling operations on vehicles, drill rigs and ancillary equipment
 - identification and application of correct lubricants
 - correct handling of samples
 - carrying out housekeeping
 - identification and mixing of drill fluids
 - identification of bits to suit differing ground conditions
- works effectively with others to assist with cable tool drilling that meets all of the required outcomes including:
 - complying with written and verbal reporting requirements and procedures
 - communicating clearly and concisely with others to receive and clarify work instructions
 - communicating clearly and concisely with others to resolve coordination requirements prior to commencing and during work activities

- demonstrates completion of assisting with cable tool drilling that safely, effectively and efficiently meets all of the required outcomes on more than one (1) occasion including:
 - fitting/removing and measuring correct bits to/from the tool string
 - laying out tools and equipment in readiness for drilling
 - inspecting tool string components and replacing worn/damaged components
 - operating rod/casing handling equipment
 - ensuring no surface contamination of samples
 - identification of and correct mixing of drill fluids

Knowledge Evidence

The candidate must demonstrate knowledge in assisting cable tool drilling through:

- applying the organisation and site requirements and procedures for:
 - work, health and safety
 - environmental issues
 - handling requirements drilling equipment
 - housekeeping
- identification and care of samples including storage and transport
- identifying cable tool drilling equipment, components and names
- identifying bit types and their applications to different geological conditions
- reading, interpreting and complying with safety data sheets (SDS)
- being prepared for fire/accident/emergency

Assessment Conditions

- An assessor of this unit must satisfy the requirements of the NVR/AQTF or their successors; and Industry regulations for certification and licensing; and,
- this unit must be assessed in the context of this sector's work environment; and,
- this unit must be assessed in compliance with relevant legislation/regulation and using policies, procedures, processes and operational manuals directly related to the industry sector for which it is being assessed; and,
- assessment may be conducted in conjunction with the assessment of other Units of Competency; and,
- assessment must confirm consistent performance can be applied in a range of relevant workplace circumstances; and,
- assessors must demonstrate the performance evidence, and knowledge evidence as outlined in this Unit of Competency, and through the minimum years of current* work experience specified below in an Industry sector relevant to the outcomes of the unit; or,

- where the assessor does not meet experience requirements a co-assessment or partnership arrangement must exist between the qualified assessor and an Industry subject matter expert. The Industry subject matter expert should hold the unit being assessed (or an equivalent unit) and/or demonstrate equivalence of skills and knowledge at the unit level. An Industry technical expert must also demonstrate skills and knowledge from the minimum years of current work experience specified below in the Industry sector, including time spent in roles related to the unit being assessed; and,
- assessor and Industry subject matter expert requirements differ depending on the Australian Qualifications Framework Level (AQF) of the qualification being assessed and/or Industry Sector as follows:

Industry sector	AQF** Level	Required assessor or Industry subject matter expert experience
Drilling, Metalliferous Mining, Coal Mining, Extractive (Quarrying) and Civil Construction	1	1 Year
	2	2 Years
Drilling, Coal Mining and Extractive (Quarrying)	3-6	3 Years
Metalliferous Mining and Civil Construction	3-6	5 Years
Other sectors	Where this Unit is being assessed outside of the Resources and Infrastructure Sectors assessor and/or Industry subject matter expert experience should be in-line with industry standards for the sector in which it is being assessed and where no Industry standard is specified should comply with any relevant regulation.	

*Assessors can demonstrate current work experience through employment within Industry in a role relevant to the outcomes of the Unit; or, for external assessors this can be demonstrated through exposure to Industry by conducting frequent site assessments across various locations.

**Where a unit is being delivered outside of a Qualification the first numeric character in the Unit code should be considered to indicate the AQF level

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