



Australian Government

Assessment Requirements for RIINHB206D Assist large diameter auger drilling

Release: 2

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Modification History

Release	Comment
2	Corrected Performance Criteria numbering.

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 large diameter auger drilling including:
 - applying basic maintenance and servicing of auxiliary equipment
 - identifying thread types in use on site
 - identifying bits in use and how to measure them
 - applying safe storage of tools
 - using load handling equipment on site
 - refuelling vehicles, drill rigs and ancillary equipment
 - conducting housekeeping
- works effectively with others to undertake and complete the large diameter auger 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 consistent timely completion of assisting with large diameter auger drilling that safely, effectively and efficiently meet all of the required outcomes on a minimum of one (1) occasion including:
 - fitting and removing bits and cutting teeth to and from the cutting head
 - inserting and removing augers and extension pipe to and from the drill string and assist with auger to auger connections
 - correctly mixing the drilling fluid
 - carrying out storage of drilling mud components and additives

Knowledge Evidence

The candidate must demonstrate knowledge of the following when assisting large diameter auger drilling:

- applying the organisation and site requirements and procedures for:
 - work health and safety
 - environment issues
 - grouting drill hole
 - acid base sample preservation of groundwater samples
 - field measurement of temperature, pH, specific conductance
 - safety measures for sampling contaminated sites and landfills
 - chain of custody, including use of seals, field log book, chain of custody record, sample labels and sample request forms
 - decontamination of sampling equipment, sample containers, pumps
 - volatile organic compound vials
 - test bore and well abandonment
 - basic soil description methods
- preparing for sampling of contaminated site
- identifying and applying sampling methods using SPTs, thin walled samplers, continuous sampling system method, hand augers, trowels
- identifying and applying groundwater sampling protocols and types of sampling tools
- identifying the reasons for identification and care of samples including storage and transport
- calculation of volume in cylinders, tanks

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 using Resources and Infrastructure Industry sector specific policies, procedures, processes and operational manuals; and,
- assessor requirements differ between sectors as follows:
 - when assessing this unit in the context of the **Drilling** sector:
 - an assessor must demonstrate the performance evidence, and knowledge evidence as outlined in this Unit of Competency, and through five (5) years of work in the Industry sector; or,
 - where a co-assessment or partnership arrangement exists between a qualified assessor and an Industry technical expert, the Industry technical expert can hold the unit being assessed, and/or demonstrate equivalency of skills and knowledge at the unit level. An Industry technical expert must also demonstrate a minimum of three (3) years of continuous work in the Industry sector, with the preceding one (1) year in the unit they are co-assessing; or,
 - when assessing this unit in the context of the **Civil Construction** sector
 - an assessor must demonstrate the skills and knowledge of this unit through five (5) years' work experience in the Industry sector; and,
 - where the assessor does not have current experience a co-assessment or partnership arrangement needs to exist between the qualified assessor and an Industry technical expert/ subject matter expert. The Industry technical expert/subject matter expert must hold the unit being assessed and be currently working in the sector with a minimum of two (2) years' of current work experience.
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Links

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