



Australian Government

RIINHB324D Carry out grouting or cementing operations

Release: 2

RIINHB324D Carry out grouting or cementing operations

Modification History

Release	Comment
1	This unit replaces RIINHB324B Carry out grouting or cementing operations
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 carry out grouting or cementing operations in 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

Drilling

Elements and Performance Criteria

1. Plan and prepare for the grouting or cementing process	1.1 Access, interpret and apply grouting or cementing operations 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 work activities 1.5 Communicate and coordinate activities with others throughout the work activity 1.6 Ensure adequate material and equipment is available to complete the task successfully 1.7 Obtain and interpret emergency procedures, and be prepared
---	---

	for fire/accident/emergency 1.8 Select the appropriate grouting or cementing procedure to suite the application
2. Perform measurement and calculations	2.1 Read tape measure accurately to carry out measurements of tank capacities, casing or rod lengths 2.2 Record or complete tally sheets for number of lengths of casing placed in the hole 2.3 Carry out calculations and measurements 2.4 Record legibly on all reports
3. Conduct grouting or cementing of hole	3.1 Start-up, run, and close down ancillary equipment 3.2 Manage mixing grout and any additives 3.3 Access, interpret and apply safety data sheets (SDS) 3.4 Conduct grouting or cementing of hole using appropriate equipment and techniques 3.5 Monitor process to ensure consistency and accuracy of placed grout or cement 3.6 Construct well head, hole identification and install hole security devices where required 3.7 Dispose of any excess grout or cement according to site waste management procedures
4. Respond to problems	4.1 Identify possible operational problems in equipment or process 4.2 Identify symptoms of problems needing remedial action 4.3 Determine possible fault causes 4.4 Rectify problem using appropriate solution within area of responsibility 4.5 Follow through items initiated until final resolution has occurred 4.6 Report problems outside area of responsibility to designated person
5. Complete equipment maintenance and housekeeping	5.1 Ensure there is no spillage of grout, cement or additives to minimise any associated safety hazards 5.2 Ensure cleaning equipment is used safely and effectively 5.3 Provide instructions and occupational health and safety requirements on the use of hazardous chemicals for cleaning 5.4 Maintain tools and equipment kept in good working condition

	5.5	Ensure housekeeping activities are completed
	5.6	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

RIINHB324B Carry out grouting or cementing operations

Links

Companion Volume implementation guides are found in VETNet -

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