



Australian Government

RINHB320D Construct monitoring bores

Release: 2

RIINHB320D Construct monitoring bores

Modification History

Release	Comment
1	This unit replaces RIINHB320A Construct monitoring bores
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 construct monitoring bores in Drilling.

This unit is appropriate for those working in operational 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 this unit

Unit Sector

Drilling

Elements and Performance Criteria

1. Plan and prepare for constructing monitoring bores	<p>1.1 Access, interpret and apply construct monitoring bores, 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 personal protective equipment appropriate for work activities</p> <p>1.5 Discuss scope of work with client to gain general agreement on drilling plan, including method of drilling, construction detail and materials to be used, and development requirements</p>
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	<p>1.6 Communicate and coordinate activities with others throughout the work activity</p> <p>1.7 Regularly communicate up to date information on progress, geology and/or problems encountered, to client and/or other relevant parties</p> <p>1.8 Obtain and interpret emergency procedures, and be prepared for fire/accident/emergency</p>
2. Construct monitoring bores	<p>2.1 Carry out any pre-start and start up procedures</p> <p>2.2 Assemble and insert casing and screens</p> <p>2.3 Place artificial pack material in a manner so as to ensure uniform distribution in the annular space without bridging</p> <p>2.4 Construct bore in accordance with applicable regulations and standard bore construction procedures</p> <p>2.5 Read, interpret and apply basic geological data</p> <p>2.6 Accurately calculate basic numerical tasks</p> <p>2.7 Maintain records accurately and legibly</p> <p>2.8 Label and secure the well</p> <p>2.9 Complete a construction diagram showing all details of the construction</p> <p>2.10 Read and interpret plans, diagrams and logs to determine the appropriate design for the monitoring well</p> <p>2.11 Measure and record Standing Water Level</p>
3. Purge bores	<p>3.1 Use development techniques with care to prevent collapsing of casing or screens</p> <p>3.2 Use a range of development techniques to improve hydraulic transmissivity around the bore</p>
4. Disinfect/decontaminate bore and drilling equipment	<p>4.1 Ensure disinfection/decontamination complies with relevant standards or regulatory requirements</p> <p>4.2 Handle chemicals in accordance with manufacturer's recommendations</p> <p>4.3 Use appropriate personal protective equipment</p>
5. Decommission test holes	<p>5.1 Carry out decommissioning of test holes per geological formation and hydrological setting</p> <p>5.2 Verify properly sealed hole for future reference</p> <p>5.3 Dispose of drill and other fluids safely</p> <p>5.4 Carry out housekeeping requirements</p>

6. Complete and submit required reports	6.1 Submit bore log, signed bore completion report and other written tasks to relevant authorities/client upon completion of the bore 6.2 Log bore holes in accordance with client/regulatory requirements 6.3 Locate bores according to instruction and provide sketches to regulatory authorities
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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

RIINHB320A Construct monitoring bores

Links

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