



Australian Government

RIINHB318D Install and operate water and gas control equipment

Release: 2

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Modification History

Release	Comment
1	This unit replaces RIINHB318A Install and operate water and gas control equipment
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 install and operate water and gas control equipment in Coal mining and 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

Coal mining

Drilling

Elements and Performance Criteria

1. Plan and prepare for the installation and operation of water and gas control equipment	1.1 Access, interpret and apply water and gas control equipment 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 Prepare and maintain a job plan, in consultation with relevant team members, which makes best use of the available resources and
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	meets the task requirements 1.7 Obtain and interpret emergency procedures, and be prepared for fire/accident/emergency
2. Organise installation	2.1 Carry out pre-start and start up, shutdown and secure equipment procedures 2.2 Identify, select and apply rig operational controls 2.3 Select the appropriate water and gas control equipment to meet the requirements of the configuration 2.4 Inspect the water and gas control equipment components for serviceability 2.5 Arrange the delivery of all equipment required for the installation and operation of the water and gas control equipment to the worksite 2.6 Ensure that the drill hole is deep enough to house the down-hole components and adjust depth as necessary 2.7 Insert the down-hole components into the standpipe 2.8 Separate the rod string, leaving sufficient distance between the rod clamp and standpipe (or other attachments) to install the stuffing box
3. Install water and gas control equipment	3.1 Install the control valve, applying appropriate securing method 3.2 Install the 'T' piece, applying appropriate securing method 3.3 Install the stuffing box, applying appropriate securing method 3.4 Pack and secure the seal in accordance with requirements and procedures
4. Operate the water and gas control equipment	4.1 Monitor the water and gas control equipment and ensure its correct operation 4.2 Rectify water and gas control equipment operational problems 4.3 Test the isolation of the water and gas control equipment 4.4 Apply site environmental controls
5. Complete equipment maintenance and housekeeping	5.1 Inspect and fault-find all water and gas control equipment 5.2 Remove and replace defective components 5.3 Ensure housekeeping activities are completed 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

RIINHB318A Install and operate water and gas control equipment

Links

Companion Volume implementation guides are found in VETNet -

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