



Australian Government

RIINHB303D Install product pipe

Release: 2

RIINHB303D Install product pipe

Modification History

Release	Comment
1	This unit replaces RIINHB303A Install product pipe
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 product pipe 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 installation of product pipe	1.1 Access, interpret and apply install product pipe 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 Obtain and interpret emergency procedures, and be prepared for fire/accident/emergency
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2. Install product pipe	2.1 Select appropriate equipment to install product pipe 2.2 Carry out pre-start and start up procedures 2.3 Lock out machine 2.4 Check and connect necessary equipment 2.5 Locate product feed to prevent damage and within breakover limitations 2.6 Install product, removing drill stem sections to procedure as required 2.7 Monitor and interpret all gauge/dial readings 2.8 Monitor product feed 2.9 Take required actions to achieve satisfactory product installation 2.10 Maintain drill log and reports as required
3. Maintain equipment	3.1 Monitor wear on drill stem, particularly threads 3.2 Dress damaged threads or replace drill stem as required 3.3 Check all equipment and hoses 3.4 Clean all equipment on completion of installation, ensuring environmental controls are followed 3.5 Rotate drill stems in stack 3.6 Continually monitor hazards and risks , and ensure safety of self, other personnel, plant and equipment 3.7 Carry out shutdown and secure equipment 3.8 Complete housekeeping activities 3.9 Process records
4. Respond to problems	4.1 Identify possible problems in equipment or process 4.2 Determine problems needing 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

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

RIINHB303A Install product pipe

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 RIINHB303D Install product pipe

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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 completion of installation of product pipe including:
 - operating the drill
 - operating ancillary equipment
 - attaching product pipe
 - identifying and dressing slightly damaged drill stem threads
- works effectively with others to undertake and complete the installation of product pipe 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 the installation of product pipe that safely, effectively and efficiently meets all of the required outcomes on more than one (1) occasion including:
 - selecting appropriate equipment to install product pipe
 - locking out machine
 - locating product feed to prevent damage and within breakover limitations
 - installing product, removing drill stem sections
 - monitoring and interpreting all gauge/dial readings

- monitoring product feed
- maintaining drill log and reports as required

Knowledge Evidence

The candidate must demonstrate knowledge in installing product pipe through:

- accessing, interpreting and applying the organisation and site requirements and procedures for:
 - work, health and safety
 - environmental issues
 - operating drill rig
 - housekeeping
- identifying basic rock/geology types and their impact on HDD operations including hard rock and scree
- identifying the minimum radius of curvature for different products and impact on the job
- complying with the strengths (compressive, tension) for different products and impact on the job
- understanding the principles of HDD (general only)
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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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