



Australian Government

RIINHB222 Assist sonic drilling operations

Release: 1

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Modification History

Release	Comments
Release 1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.

Application

This unit describes the skills and knowledge required to assist in the sonic drilling process and collect sonic samples.

It applies to those working in drillers assistant roles. They generally work under supervision to undertake a prescribed range of functions involving known routines and procedures and take some responsibility for the quality of work outcomes.

Licensing, legislative and certification requirements that apply to this unit can vary between states, territories, and industry sectors. Users must check requirements with relevant body before applying the unit.

Unit Sector

Drilling

Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Plan and prepare to assist sonic drilling	1.1 Obtain, interpret and confirm work requirements 1.2 Access, interpret and apply documentation required to conduct sonic drilling operations and confirm work activity is compliant 1.3 Identify and minimise environmental issues and potential hazards, and assess and address risks within scope of own role and according to workplace procedures 1.4 Select and wear personal protective equipment required for work activity 1.5 Communicate with other personnel at site according to work requirements and confirm briefings and handover details are communicated and received

ELEMENT	PERFORMANCE CRITERIA
	1.6 Load, unload and move tools and equipment 1.7 Confirm adequate consumables are available for the drilling program 1.8 Confirm drill site is free of trip hazards 1.9 Connect water according to site requirements
2. Assist in sonic drilling process	2.1 Inspect core barrels, rods, casing, bits, threads and associated equipment for damage and fatigue from sonic vibration 2.2 Prepare drill string and casing string in readiness for tripping and drilling 2.3 Inspect rod handling equipment for damage and/or wear 2.4 Use mechanical lifting device to transfer drill rods and casing to/from rod handling equipment and/or mast 2.5 Assist driller in tripping rods and casing in/out of hole
3. Collect sonic samples	3.1 Prepare sufficient poly bags, trays, and/or PVC splits for sample presentation 3.2 Assist driller to setup for sample retrieval 3.3 Designate appropriate area for sample placement and presentation 3.3 Confirm core barrel is not too hot to touch 3.4 Guide sample into polybag/tray/PVC split 3.5 Clearly label sample depth 3.6 Lay sample out in designated area for presentation

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance but not explicit in the performance criteria.

SKILL	DESCRIPTION
Reading	Identifies and interprets information from workplace procedures, documentation, legislation and regulations
Writing	Produces and completes workplace reports using appropriate vocabulary, grammatical structures and conventions
Self-management	Monitors and minimises own exposure to worksite hazards during activities

Unit Mapping Information

New unit

Links

Companion Volume implementation guides is found on VETNet -

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