



Australian Government

RIINHB205F Assist continuous flight auger drilling

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 continuous flight auger drilling in the resources and infrastructure industry. It prepares individuals to assist with the augering process including during set up, augering, cleaning, basic maintenance and water sampling.

It applies to those working in assistant driller roles. They generally work under supervision to undertake a prescribed range of functions involving known routines and procedures.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

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 with continuous flight auger drilling	1.1 Obtain, read and confirm work requirements 1.2 Access, interpret and apply assist continuous flight auger drilling documentation 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 activities 1.5 Obtain and interpret emergency procedures and identify steps in case of fire, accident and other emergencies 1.6 Communicate with other personnel on site as required and confirm briefings and handover details are communicated and

ELEMENT	PERFORMANCE CRITERIA
	received 1.7 Load, unload, move, handle, use and store continuous flight augers and all associated tools, sampling devices and connecting equipment 1.8 Set up and stabilise auger racks
2. Assist with augering process	2.1 Fit and remove bits to and from the lead auger 2.2 Lay out auger string in readiness for auger process 2.3 Insert and remove augers from the drill string and assist with auger to auger connections 2.4 Regularly maintain cleanliness around the hole collar by removing spoil only when rotation is stopped 2.5 Observe housekeeping and site safety measures while conducting auger assistance
3. Clean equipment	3.1 Clean and reassemble sampling devices and associated equipment according to safe working practices 3.2 Use high pressure cleaners and steam cleaning equipment as required to clean augers and equipment according to safe working practices 3.3 Avoid and confine as required the spread of contamination from auger and equipment cleaning processes 3.4 Bag, remove and dispose or neutralise excess spoil from site operations
4. Carry out water sampling	4.1 Bail and pump holes as required in preparation for collecting water sample 4.2 Prepare, obtain and handle water sample bottles 4.3 Obtain a water sample from a bore hole 4.4 Fill, seal, label, store and transport volume water samples required for analytical purpose or tests using required container types 4.5 Remove and dispose or neutralise excess water generated by sampling and cleaning processes that may be contaminated or harmful to the environment, plants, native animals, domestic stock or people 4.6 Observe housekeeping and site safety measures while conducting sampling duties
5. Carry out basic maintenance of tools and equipment	5.1 Perform inspection and checks on serviceability of augers 5.2 Inspect serviceability of pressure cleaning equipment, water sampling pumps, sample tubes, SPT equipment 5.3 Maintain all auger and sampling equipment in serviceable condition

ELEMENT	PERFORMANCE CRITERIA
	5.4 Conduct housekeeping activities to workplace requirements

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
Oral Communication	Listens to short, explicit instructions for work procedures and asks questions to clarify and confirm
Self-management	Monitors and minimises own exposure to worksite hazards during activities

Unit Mapping Information

Supersedes and is equivalent to RIINHB205E Assist continuous flight auger drilling.

Links

Companion Volume implementation guides is found on VETNet -

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