



Australian Government

RIINHB205D Assist continuous flight auger drilling

Release: 2

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Modification History

Release	Comment
1	This unit replaces RIINHB205A Assist continuous flight auger drilling
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 assist continuous flight auger drilling in Resources and Infrastructure Industry.

This unit is appropriate for those working in drillers assistant roles.

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

Elements and Performance Criteria

1 Plan and prepare for assisting with continuous flight auger drilling	<p>1.1 Access, interpret and apply assist continuous flight auger drilling 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 appropriate personal protective equipment and protective clothing</p> <p>1.5 Obtain and interpret emergency procedures, and be prepared for fire/accident/emergency</p> <p>1.6 Communicate and coordinate activities with others throughout the work activity</p> <p>1.7 Load, unload, move, handle, use and store continuous flight augers and all associated tools, sampling devices and connecting equipment</p> <p>1.8 Set up and stabilise auger racks</p>
2 Assist with augering process	<p>2.1 Fit and remove bits to and from the lead auger</p> <p>2.2 Lay out auger string in readiness for auger process</p> <p>2.3 Insert remove augers from the drill string and assist with auger to auger connections</p> <p>2.4 Regularly maintain cleanliness around the hole collar by removing spoil only when rotation is stopped</p> <p>2.5 Observe housekeeping and site safety measures while conducting auger assistance and sampling duties</p>
3 Obtain samples	<p>3.1 Obtain and/or lay out disturbed samples from flights as required</p> <p>3.2 Take necessary safety precautions when handling potentially contaminated samples</p> <p>3.3 Bag, label and store undisturbed samples for transport</p> <p>3.4 Obtain soil samples from SPT split spoon, undisturbed sample</p>

	<p>tube, direct push, coring bit or other down hole mechanical device used in sampling</p> <p>3.5 Package SPT samples and label packages and include the test result</p> <p>3.6 Clean and service undisturbed tubes, remove loose spoil, fit mechanical or wax seals, package, label and store undisturbed samples for transport</p> <p>3.7 Remove and package samples obtained from hollow auger sampling devices or direct push applications when required</p>
4 Clean equipment	<p>4.1 Clean and reassemble sampling devices and associated equipment</p> <p>4.2 Use high pressure cleaners and/or steam cleaning equipment to clean augers and equipment</p> <p>4.3 Avoid or confine the spread of contamination from auger and equipment cleaning processes.</p> <p>4.4 Follow safe work practices for use of cleaning equipment, chemicals and materials.</p> <p>4.5 Bag, remove and dispose of or neutralise excess spoil from site operations</p>
5 Carry out water sampling	<p>5.1 Bail or pump holes in preparation for collection of water sample</p> <p>5.2 Prepare, obtain and handle water sample bottles</p> <p>5.3 Obtain a water sample from a bore hole</p> <p>5.4 Fill, seal, label, store and transport correct volume water samples relevant for the analytical purpose or tests required using appropriate type containers</p> <p>5.5 Remove or dispose of or neutralise excess water generated by sampling or cleaning processes that may be contaminated or harmful to the environment, plants, native animals, domestic stock or people</p>
6 Carry out basic maintenance of tools and equipment	<p>6.1 Perform inspection and checks on serviceability of augers including condition of flights, threads, socket connectors, D clips and bits</p> <p>6.2 Inspect serviceability of pressure cleaning equipment, water sampling pumps, sample tubes, SPT equipment</p> <p>6.3 Maintain all auger and sampling equipment in serviceable condition</p> <p>6.4 Conduct housekeeping activities</p>

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

RIINHB205A Assist continuous flight auger drilling

Links

SkillsDMC RII Companion Volumes - <http://www.skillsdmc.com.au/>