



Australian Government

RIICFW305E Conduct cast in-situ pilings 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 6.0.

Application

This unit describes the skills and knowledge required to conduct cast in-situ pilings operations in civil construction including establishing locations for piles, boring holes and installing caissons, and setting up, relocating and removing boring rigs.

It applies to those working in operational roles. They generally work under minimal supervision to undertake a broad range of tasks in varied work contexts, using some discretion and judgement in selecting equipment, services or contingency measures.

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

Civil construction

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 conduct in-situ pilings operation	1.1 Obtain, interpret and confirm work instructions 1.2 Access, interpret and apply documentation required to conduct cast in-situ pilings operations and confirm work activity is compliant 1.3 Obtain and interpret emergency procedures and identify steps required to respond to emergencies 1.4 Select and wear personal protective equipment according to site requirements 1.5 Confirm and identify requirements for complying with environmental protection, safety and traffic management signage requirements

ELEMENT	PERFORMANCE CRITERIA
	1.6 Identify potential hazards and environmental issues, implement control measures within scope of own role and escalate where required 1.7 Select plant, tools and equipment required to carry out tasks and check for faults 1.8 Identify, confirm, and locate materials required for work application
2. Locate and prepare pile positions	2.1 Establish location for piles from reference points and set out according to job requirements 2.2 Position and confirm operation of plant and related equipment 2.3 Bore hole according to job requirements 2.4 Confirm conformity of caisson according to job requirements 2.5 Install caisson in bored hole according to job requirements 2.6 Prepare caisson to receive concrete
3. Place concrete	3.1 Place concrete into caisson according to job requirements 3.2 Vibrate concrete, removing voids and air pockets
4. Remove boring rig	4.1 Relocate boring rig to next installation operation according to job requirements 4.2 Remove boring rig from site on completion of work according to job and site requirements
5. Conduct clean-up activities	5.1 Clear work area and dispose of or recycle materials accord to site requirements 5.2 Clean, check, perform maintenance on and store plant, tools and equipment according to manufacturer specifications and site 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	- Identifies and interprets information from verbal instructions - Conveys information and instructions to others verbally
Self-management	Monitors and minimises own exposure to worksite risks and hazards during work activities

Unit Mapping Information

Supersedes and is equivalent to RIICFW305D Conduct cast in-situ pilings operations.

Links

Companion Volume Implementation Guide is found on VETNet -

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