



Australian Government

RIICFW304E Conduct pile driving 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 pile driving operations in civil construction. This includes conducting pre-start checks, protecting areas for pile driving, driving timber and pre-cast concrete piles, using pile hammering methods and dismantling and relocating piling 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 pile driving operations	1.1 Obtain, interpret and confirm work instructions 1.2 Access, interpret and apply documentation required to conduct pile driving 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

ELEMENT	PERFORMANCE CRITERIA
	<p>requirements</p> <p>1.6 Identify potential hazards and environmental issues, implement control measures within scope of own role and escalate where required</p> <p>1.7 Select plant, tools and equipment required to carry out tasks and check for faults</p> <p>1.8 Identify, confirm, and locate materials required for work application</p>
2. Locate pile positions and establish piling rig plant	<p>2.1 Establish location for piles from reference points and set out according to job requirements</p> <p>2.2 Establish plant and equipment in position and conduct pre-start checks according to job requirements</p> <p>2.3 Prepare and confirm pile conformity according to job requirements</p> <p>2.4 Identify and protect area for pile driving according to job and site requirements</p>
3. Drive and join pile	<p>3.1 Set up piling rig and drive pile into position according to job requirements</p> <p>3.2 Conduct splicing according to job requirements</p>
4. Remove piling rig	<p>4.1 Dismantle plant and equipment according to manufacturer specifications</p> <p>4.2 Relocate piling rig for next piling installation</p>
5. Conduct clean-up activities	<p>5.1 Clear work area and dispose of or recycle materials according to job requirements</p> <p>5.2 Clean, check, perform maintenance on and store plant, tools and equipment according to manufacturer specifications and site requirements</p>

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	<ul style="list-style-type: none"> Identifies and interprets information from verbal instructions Conveys information and instructions to others verbally
Self-management	<ul style="list-style-type: none"> Monitors and minimises own exposure to worksite risks and hazards during work activities

Unit Mapping Information

Supersedes and is equivalent to RIICFW304D Conduct pile driving operations.

Links

Companion Volume Implementation Guide is found on VETNet -

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