



Australian Government

RIICTB309E Construct, maintain and remove coffer dams

Release: 1

RIICTB309E Construct, maintain and remove coffer dams

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 construct, maintain and remove coffer dams in civil construction. This includes confirming placement of marine cables, driving and bracing sheet piles, dewatering and levelling dammed areas for coffer dams with at least four sheet piles.

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 construct and remove coffer dam	1.1 Obtain, interpret, clarify and confirm work instructions 1.2 Access, interpret and apply documentation required to remove coffer dams 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
	requirements 1.6 Identify, address and report environmental issues, potential hazards and risks 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. Construct and maintain dam	2.1 Contact utilities to confirm placement of marine cables 2.2 Drive sheet piles into location according to job requirements 2.3 Brace sheet piles 2.4 Dewater and caulk dammed area according to job requirements 2.5 Install sump to remove excess water seepage 2.6 Remove mud manually from dammed area according to job requirements 2.7 Level dammed area for bridge work according to job requirements
3. Remove coffer dam	3.1 Clear dammed area of refuse and construction waste according to site requirements 3.2 Remove temporary concrete slab, where used 3.3 Flood coffer dam according to job requirements 3.4 Remove sheet pile 3.5 Extract and dismantle sheet piling according to job requirements to allow waterway to restore original flow
4. Conduct clean-up activities	4.1 Clear work area and dispose of or recycle materials according to site requirements 4.2 Clean, check, perform maintenance on and store machinery, 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 RIICTB309D Construct, maintain and remove coffer dams.

Links

Companion Volume Implementation Guide is found on VETNet -

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