



Australian Government

RIWVG301E Control construction site water tables

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 control construction site water tables. This includes installing drainage or dewatering systems involving spearing, establishing treatment systems and operating and performing maintenance on drainage and dewatering systems.

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 control construction site water table	1.1 Obtain, read, interpret, clarify and confirm work requirements 1.2 Access, interpret and apply documentation required to control site water tables 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. Install water removal system	<p>2.1 Identify proposed permanent stormwater outlets from site plans and drawings</p> <p>2.2 Erect barricades around installation area according to job requirements</p> <p>2.3 Construct sumps and wells according to job requirements</p> <p>2.4 Install drainage and dewatering systems according to job requirements</p> <p>2.5 Place gravel and filter material in spears, sumps and wells according to job requirements</p> <p>2.6 Install surface or submersible pumps in locations according to job requirements</p> <p>2.7 Connect suction hoses to sumps, wells, spears and pumps</p> <p>2.8 Fit pipes and hoses to well points, spears and pumps</p>
3. Establish stormwater treatment system	<p>3.1 Set out holding pond and support construction operations according to job requirements</p> <p>3.2 Monitor, assess and rectify water quality and treatment according to job requirements</p> <p>3.3 Release water which meets approved quality criteria into main system according to job requirements</p>
4. Operate and maintain drainage and dewatering system	<p>4.1 Activate pumps to lower water table level</p> <p>4.2 Perform maintenance on pumps according to job requirements</p> <p>4.3 Perform maintenance on site drainage and dewatering system and maximise water flow according to project requirements</p>
5. Remove and restore area	<p>5.1 Disconnect and remove pumping system</p> <p>5.2 Remove well points and spears</p> <p>5.3 Restore area according to environmental management plan</p>
6. Conduct clean-up activities	<p>6.1 Clear work area and dispose of or recycle materials according to site requirements</p> <p>6.2 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 RIIWMG301D Control construction site water table.

Links

Companion Volume Implementation Guide is found on VETNet -

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