



Australian Government

RIWVG203E Drain and dewater civil construction sites

Release: 1

RIIWMG203E Drain and dewater civil construction sites

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 drain and dewater civil construction sites. This includes establishing sedimentation controls, constructing sumps, installing surface or submersible pumps, and draining surface water using surface drains.

It applies to those working in operational roles. They generally work under supervision to undertake a prescribed range of functions involving known routines and procedures and take some responsibility for the quality of work outcomes.

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 drain and dewater	1.1 Obtain, interpret, clarify and confirm work requirements 1.2 Access, interpret and apply documentation required to drain and dewater civil construction sites 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
	<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. Implement sedimentation control measures	<p>2.1 Position sedimentation controls according to job requirements</p> <p>2.2 Construct sedimentation control barriers according to job requirements</p> <p>2.3 Position geotextiles according to job requirements</p>
3. Remove surface water	<p>3.1 Establish temporary drainage systems to drain or divert water to storm water drainage system</p> <p>3.2 Remove slab and site surface water and direct to temporary drainage system</p> <p>3.3 Fill surface holes and depressions according to job requirements</p> <p>3.4 Drain surface water to drainage system</p>
4. Construct sump	<p>4.1 Determine sump position according to job specifications and sump positioning requirements</p> <p>4.2 Construct sumps according to job requirements</p>
5. Remove water from sump	<p>5.1 Install surface or submersible pumps according to job requirements</p> <p>5.2 Locate surface pump close to sump</p> <p>5.3 Pump water to temporary drainage system</p> <p>5.4 Disperse discharged water according to job and site requirements</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

SKILL	DESCRIPTION
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 RIIWMG203D Drain and dewater civil construction site.

Links

Companion Volume Implementation Guide is found on VETNet -

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