



Australian Government

RIIWMG301D Control construction site water table

Release: 3

RIIWMG301D Control construction site water table

Modification History

Release	Comment
1	The unit replaces RIIWMG301A Control construction site water table
2	Editorial corrections.
3	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including: references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.

Application

This unit develops a participant's skills and knowledge required to control a construction site water table in Civil construction.

This unit is appropriate for those working in operational roles.

No licensing, legislation or certification requirements apply to this unit at the time of publication.

Unit Sector

Civil construction

Elements and Performance Criteria

1. Plan and prepare for site water table construction	1.1 Access, interpret and apply site water table construction documentation and ensure the work activity is compliant 1.2 Obtain, read, interpret, clarify and confirm work requirements 1.3 Identify, obtain and implement traffic signage requirements 1.4 Select and inspect required plant, tools and equipment and rectify or report any faults 1.5 Identify and address potential risks, hazards and environmental issues, and implement control measures 1.6 Select and wear personal protective equipment appropriate for work activities
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2. Install site drainage/ dewatering system	2.1 Identify proposed permanent stormwater outlets from site plans and drawings 2.2 Erect barricades around the excavation/ installation area 2.3 Construct sumps and wells 2.4 Install well points, spears or wick drains 2.5 Place gravel and filter material in spears, sumps and wells to level above that of existing water table 2.6 Install surface or submersible pumps in designated locations 2.7 Connect suction hoses to sumps, wells, spears and pumps 2.8 Fit pipes and hoses to well points, spears and pumps
3. Establish stormwater treatment system	3.1 Set out holding pond and support construction operations 3.2 Monitor, assess and rectify water quality and treatment 3.3 Release water which meets the approved quality criteria into the main system
4. Operate and maintain drainage and dewatering system	4.1 Activate pumps to lower water table level 4.2 Maintain pumps 4.3 Maintain site drainage and dewatering system and maximise water flow to project requirements
5. Remove and restore area	5.1 Disconnect and remove pumping system 5.2 Withdraw and remove well points and spears 5.3 Restore area according to environmental management plan
6. Clean up	6.1 Clear work area and dispose of or recycle materials 6.2 Clean, check, maintain and store plant, tools and equipment

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit. Further information is available in the Resources and Infrastructure Industry Training Package Companion Volume.

Unit Mapping Information

RIIWMG301A Control construction site water table

Links

Companion Volume implementation guides are found in VETNet -

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