



**Australian Government**

# **RIIWMG203D Drain and dewater civil construction site**

**Release: 1**

## **RIIWMG203D Drain and dewater civil construction site**

### **Modification History**

Not applicable.

### **Application**

This unit develops a participant's skills and knowledge required to drain and dewater civil construction sites 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

<p>1. Plan and prepare for draining and dewatering</p>	<p>1.1 Access, interpret and apply drain and dewatering documentation and ensure the work activity is compliant</p> <p>1.2 Obtain, read, interpret, clarify and confirm work requirements</p> <p>1.3 Identify, obtain and implement traffic signage requirements</p> <p>1.4 Select and inspect required plant, tools and equipment and rectify/report any faults</p> <p>1.5 Identify, clarify and apply environmental protection requirements</p> <p>1.6 Identify and address potential risks, hazards and environmental issues, and implement control measures</p> <p>1.7 Select and wear personal protective equipment appropriate for work activities</p>
<p>2. Position sedimentation control</p>	<p>2.1 Position sedimentation controls</p> <p>2.2 Construct sedimentation control barriers</p> <p>2.3 Position geo-fabrics and/or woven wire</p>
<p>3. Remove surface water</p>	<p>3.1 Establish temporary drainage systems and drain or divert surface and sub-surface water to the storm water drainage system</p> <p>3.2 Remove slab and site surface water and/or direct to the temporary drainage system</p> <p>3.3 Fill surface holes and depressions</p> <p>3.4 Drain surface water to drainage system using adequate fall</p>
<p>4. Construct sump/wells</p>	<p>4.1 Locate sump and/or well at the lowest point to be drained</p> <p>4.2 Construct sumps and/or wells</p>
<p>5. Remove water from sumps/wells, trenches and pits</p>	<p>5.1 Install surface or submersible pumps</p> <p>5.2 Locate surface pump as close as practicable to the sump or well</p> <p>5.3 Pump water to temporary drainage system</p> <p>5.4 Disperse discharged water</p>
<p>6. Clean up</p>	<p>6.1 Clear work area and dispose of or recycle materials</p> <p>6.2 Clean, check, maintain and store plant, tools and equipment</p>

## **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**

RIIWMG203A Drain and dewater civil construction site

## **Links**

SkillsDMC RII Companion Volumes - <http://www.skillsdmc.com.au/>