



<b>Unit title</b>	Set up and Prepare Water Jetting Equipment in the Workplace
<b>SQA code</b>	H8MD 04
<b>SCQF level</b>	5
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## History of changes

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Title	Set up and Prepare Water Jetting Equipment in the Workplace	
Learning Outcomes		Assessment Criteria
The learner will:		The learner can:
<p>1 Be able to interpret the given information relating to the work and resources when setting up and preparing water jetting equipment in the workplace.</p>	<p>1.1 Interpret and extract information from risk assessments, method statements, legislation, Codes of Practice, operating instructions and manufacturers' information.</p> <p>1.2 Comply with information and/ or instructions derived from risk assessments and/ or method statements.</p> <p>1.3 Identify the organisational procedures developed to report and rectify inappropriate information and unsuitable resources and how they are implemented.</p> <p>1.4 Interpret different types of information, their source in relation to:</p> <ul style="list-style-type: none"> <li>(a) Risk assessments.</li> <li>(b) Method statements.</li> <li>(c) Legislation.</li> <li>(d) Codes of Practice.</li> <li>(e) Manufacturers' information.</li> <li>(f) Operating instructions.</li> </ul>	
<p>2 Know how to comply with relevant legislation, special legal status documents, official guidance and organisational procedures when setting up and preparing water jetting equipment.</p>	<p>2.1 Describe own responsibilities under current legislation and official guidance whilst working: – in the workplace, below ground level, in confined spaces, at height, with tools and equipment, with materials and substances, with movement/ storage of materials and by manual handling and mechanical lifting.</p> <p>2.2 Describe the organisational security procedures for tools, equipment and personal belongings in relation to site, workplace, company and operative.</p>	

		2.3	Explain the accident reporting procedures and who is responsible for making reports.
3	Understand how to maintain safe working practices when setting up and preparing water jetting equipment.	3.1	Explain the personal protective equipment (PPE) used to safely carry out the activity in accordance with legislation and organisational requirements when setting up and preparing water jetting equipment.
		3.2	Explain why and when personal protective equipment (PPE) should be used, relating to setting up and preparing water jetting equipment, and the types, purpose and limitations of each type.
		3.3	Explain how emergencies should be responded to in accordance with organisational authorisation and personal skills when involved with fires, spillages, injuries and other task-related hazards.
4	Know how to request resources to sustain equipment operations when setting up and preparing water jetting equipment.	4.1	Describe the characteristics, quality, uses, limitations and defects associated with the resources in relation to: (a) Water, abrasives, chemicals. (b) Fuel, lubricants, coolants. (c) Pump units (d) Hoses, lances, guns, nozzles (e) Control valves (f) Ancillary items.
		4.2	Explain how the resources should be used correctly, how problems associated with the resources are reported and how the organisational procedures are used.
		4.3	Outline potential hazards associated with the resources and methods of work.
5	Be able to minimise the risk of damage to the work and surrounding area when setting up and preparing water jetting	5.1	Protect the work and its surrounding area from damage.

equipment.	<p>5.2 Minimise damage and maintain a clean work space.</p> <p>5.3 Dispose of waste in accordance with legislation.</p>
6 Understand how to minimise the risk of damage to the work and surrounding area when setting up and preparing water jetting equipment.	<p>6.1 Describe how to protect work from damage and the purpose of protection in relation to general workplace activities, other occupations and adverse weather conditions.</p> <p>6.2 Explain why the disposal of waste should be carried out in relation to the work.</p>
7 Be able to carry out pre-use preparation inspections on equipment in accordance with given procedures when setting up and preparing water jetting equipment.	<p>7.1 Setup and prepare water jetting equipment by:</p> <ul style="list-style-type: none"> <li>(a) Fitting.</li> <li>(b) Positioning</li> <li>(c) Securing</li> <li>(d) Connecting</li> <li>(e) Adjusting.</li> </ul> <p>7.2 Carry out pre-start checks and prepare water jetting equipment to given working instructions relating to:</p> <ul style="list-style-type: none"> <li>(a) Siting of equipment.</li> <li>(b) Connecting hoses and lances/ guns.</li> <li>(c) Power supply.</li> <li>(d) Water supply.</li> </ul> <p>7.3 Use, store and secure hand tools and equipment in line with safe methods of working.</p>
8 Know how to carry out pre-use preparation inspections on equipment in accordance with given procedures when setting up and preparing water jetting equipment.	<p>8.1 Describe how to apply safe work practices, follow procedures, report problems and establish the authority needed to rectify them, to:</p> <ul style="list-style-type: none"> <li>(a) Carry out pre-checks, set up and shut down equipment.</li> <li>(b) Operate equipment.</li> <li>(c) Monitor and assess performance of pump unit, lances, guns, hoses and control valves.</li> <li>(d) Dismantle equipment.</li> </ul>

	<p>(e) Use hand tools.</p> <p>8.2 Explain the needs of other occupations and how to communicate within a team when setting up and preparing water jetting equipment.</p> <p>8.3 Describe how to maintain the tools and equipment used when setting up and preparing water jetting equipment.</p>
<p>9 Be able to start-up and operate equipment in accordance with safe working practices when setting up and preparing water jetting equipment.</p>	<p>9.1 Use personal protective equipment to carry out the activity in accordance with legislation and organisational requirements.</p> <p>9.2 Setup and prepare water jetting equipment by:</p> <ul style="list-style-type: none"> <li>(a) Starting.</li> <li>(b) Stopping.</li> <li>(c) Controlling.</li> <li>(d) Dismantling.</li> </ul> <p>9.3 Operate and monitor water jetting equipment to given working instructions relating to:</p> <ul style="list-style-type: none"> <li>(a) Test runs.</li> <li>(b) Close down.</li> <li>(c) Clean down.</li> </ul> <p>9.4 Return equipment to a safe operational condition on completion of work.</p>

**Additional information about the Unit****Unit purpose and aim(s)**

This unit allows the learner to demonstrate competence in setting up and preparing water jetting equipment in the workplace. Within this unit, the workplace is taken to mean straightforward water jetting activities on sewers and drains. The learner must be aware of the risks associated with carrying out the setting up and preparation of water jetting equipment and must follow safe working practices at all times, in line with health, safety and environmental requirements and company policies.

**Details of the relationship between the Unit and relevant national occupational standards (if appropriate)**

Construction Skills. Suite: Associated Industrial Services (Construction).  
Unit: COSVR84 Set up and prepare water jetting equipment.

**Details of the relationship between the Unit and other standards or curricula (if appropriate)****Assessment requirements specified by a sector or regulatory body (if appropriate)**

This unit must be assessed in a work environment and in accordance with:

- The Construction Skills 'Consolidated Assessment Strategy for Construction and the Built Environment (Craft, Supervisory, Technical, Managerial and Professional Units) title and SVQs. Assessors for this unit must use a combination of the following assessment methods:
- Observation of normal work activities within the workplace that clearly confirms the required skills.
- Questioning the learner on knowledge criteria that clearly confirms the required understanding.
- Review other forms of evidence that can clearly confirm industry required skills, knowledge and understanding.

Assessors for this unit must have verifiable, current industry experience and a sufficient depth of occupational expertise and knowledge of setting up and preparing water jetting equipment to be effective and reliable when confirming a learner's competence.

Workplace evidence of skills cannot be simulated.

## **Assessment (evidence) Requirements**

### **Workplace evidence**

The performance evidence for this Unit must come from the learner's own work activities, both in their own 'reporting base' and from their operational water jetting activities. Simulated activities or activities carried out in a realistic working environment, for the purposes of assessment, may not be used for the assessment of this Unit.

### **Knowledge and understanding**

The knowledge and understanding requirements for this Unit must be covered in full. The learner may demonstrate considerable knowledge through their workplace performance and during observed assessments. It is likely that some assessor questioning will be needed to confirm that all knowledge requirements are met. The centre may use oral and/or written questioning to cover the knowledge requirements.

### **Guidance on Instruments of Assessment**

The evidence for this Unit is likely to be generated through a mixture of observation reports, assessor-guided discussions and questioning, and workplace records, reports or documentation.