



Water Jetting - Safety Awareness (SA) and Surface Preparation (SP) - City & Guilds



Course Aim

To provide delegates with the necessary skills and working knowledge of high-pressure water jetting, covering a range of safety features that include risk assessment and use of PPE, pre-work checks, and the identification of hazards. Whilst also teaching delegates to safely carry out surface preparation in accordance with the High-Pressure Water Jetting Association's (HPWJA) code of practice.

The course will assist in compliance with the Health & Safety at Work Act 1974 (HASWA 74).



Certification

On successful completion of this course, a City and Guilds accredited Certificate of Training and a Photo ID Card will be issued by the Water Jetting Association. It is recommended that the Water Jetting Safety Awareness course be retaken every 3 years.

All certification is subject to the City & Guilds quality assurance procedure.



Who Should Attend?

Anyone who is required to operate high-pressure water jetting equipment in the course of their work.

To be eligible to attend this course, you must have certificated high-pressure jetting equipment that is fit for purpose. High-visibility waistcoat, overalls, gloves, hard hat, safety footwear, waterproofs, hearing, and eye protection are also required for this training course.



Course Duration

This is a 2-day course



Maximum Delegates

Maximum attendees: 12 delegates.



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Agenda

This one-day course will aim to teach delegates the following:

- Cleaning & surface preparation
- Jet cutting: precision and volume removal
- Health & Safety at Work Act
- WJA codes of practice
- Jet principles
- Types of nozzles
- Pump configuration
- Water supply/delivery features
- Pressure safety release options
- Pump and dry shut controls
- Hose construction & pressure ratings
- Hose end fittings
- Connectors and hose end couplings
- Directly from the water jet
- Hose end fittings
- Effects of impact by a high-pressure water jet
- Routine care & inspection
- Safety points during operation
- Scope of surface cleaning & preparation applications
- Range of jetting machines suitable for surface cleaning and preparation
- Review nozzle principles
- Associated ancillary equipment
- Hose used in surface cleaning and preparation applications
- Damage & wear possibilities
- Hose ancillaries
- Range of jetting machines used
- Engine controls & instruments
- Auto engine speed control systems
- Pressure safety relief
- Water supply/delivery features
- Filtration requirements
- Boost feed pumps
- Information & assessment
- Base material & contaminants
- Selection of equipment and manning levels
- Safe system of work
- Setting-up
- Monitoring of operation