

Course Outline for Trainees

Course Title	WJA – Hydrodemolition (HD)
Brief Description	<p>This minimum 6 hrs session is aimed at:</p> <ul style="list-style-type: none"> • People who operate hydrodemolition jetting equipment. • A personal copy of the High pressure water jetting “Blue code” is provided for candidates refreshing their cards/certificates and this document is used as a reference throughout. • Candidates who cut concrete with high pressure water and/or ultra high pressure <p>The safety awareness course or recap course must be completed prior to attending this course and is valid for 3 years.</p> <p>This course provides knowledge and assists in the understanding of surface preparation by means of assessments in:</p> <ul style="list-style-type: none"> • Theory. • Operational skills. • Understanding and knowledge. • Safe use of equipment. <p>Assessments are a balance of theory in a classroom environment and practical using live water jetting equipment.</p> <p>The pressure will exceed 690 bar (10,000 psi) and candidates must be able to comfortably control the jetting accessories, this includes managing reaction force through manual handling.</p> <p>The training does NOT cover works that involves confined space entry into chambers, tanks, wet wells, or vessels. To carry out work in these conditions, operatives must have a recognised confined space entry course.</p> <p>The WJA’s aim is to minimise the hazards and risks involved in surface preparation.</p>
Delivery	Classroom theory and practical assessment.
Why?	<p>Assists in the compliance with Health & Safety at Work Act 1974 (HASWA 74).</p> <p>High pressure water jetting is very hazardous process; therefore, it is a requirement for anyone involved in concrete removal using water jetting to have knowledge and understanding of the hazards involved in water jetting so they can operate safely.</p> <p>This includes typical hazards, Legal requirements, pre-start checklist, safety devices, competent teams, water jetting equipment, health concerns and typical controls and PPE.</p>
Timings	Minimum 6-hour session (subject to class size and other courses)
Who Should Attend	<ul style="list-style-type: none"> • New operational candidates. • Water jetting candidates that are refreshing their WJA card which is near its expiry date. • Managers • Supervisors • Site owners • Permit issuers • Health and safety Managers / officers
Key Features	<ul style="list-style-type: none"> • Facilitated Group discussions. • Question and Answer sessions • Review of accidents in the industry • Use of personal knowledge within the training group which is facilitated by the instructor.

<p>Content –Topics covered</p>	<p>The training workshop covers the following topics:</p> <ol style="list-style-type: none"> 1. Introduction to Hydrodemolition 2. Blue code of Practice 3. Law & NACE 4. Hydrodemolition hazards 5. Hydrodemolition set up procedures 6. Robotic systems 7. Manual jetting 8. Removing concrete 9. Pressures and Flows 10. Nozzle type and selection 11. Reaction force 12. Confined spaces 13. Operator roles and responsibilities 14. PPE & RPE 15. Water jetting injuries 16. Start up processes 17. Job completion processes 18. Preparation for practical assessment 19. Practical assessment on Hydrodemolition (working with live equipment)
<p>Content - candidate outcomes</p>	<p>This course will equip delegates with the tools to:</p> <ul style="list-style-type: none"> • Receive a copy of the WJA blue code of practice and review best practice contained within the code via Safety awareness course or SA recap course. • Understand the hazards involved when using hydrodemolition accessories. • Removing concrete by utilising safe use of a jetting gun. • Understand health and safety and the hierarchy of control when applied to a water jetting task. • Have knowledge of the potential injury that can be caused by a water jet / pressurised system failure. • Understand daily checks and identify hazards on equipment prior to start up. • Understand what makes a competent team when removing concrete at high pressure and ultra-high-pressure. • Understanding how to prevent a water jetting injury and action taken as specified in the blue code of practice. • Understand what we need to do to leave the area safe & secure.
<p>Pre-Course Requirements</p>	<p>To be at least 16 years of age and employed by a company or in a structured training course. To be at least 18 years of age if unemployed or not on a structured training course. To be able to understand English.</p> <p>This course is for candidates who are looking to renew their cards, or new-candidates who want to add Surface preparation module to their card.</p>